Six Monthly Compliance Report of Environmental Clearance For

Grasim Industries Ltd. (Chemical Division)



Submitted to:

State Level Environment Impact
Assessment Authority
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector – 10 A,
Gandhinagar – 382 010

Submitted By:

Grasim Industries Limited
(Chemical Division)

Plot No. 1 GIDC Vilayat Industrial
Estate, PO-Vilayat, Taluka-Vagra,
Dist: Bharuch-392012,
Gujarat, India

Period: April 2022 to September 2022

Compliance Status Report for "Environmental Clearance" Accorded by the SEIAA

For

Grasim Industries Ltd. (Chemical Division)

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Introduction

Grasim Chemical Division (GRCD), Vilayat is a unit of Grasim Industries Limited, a flagship company of the US \$40 billion Aditya Birla Group, was established as a strategic backward integration for supplying Caustic Soda to Fiber Division & other group companies.

The plant was commissioned in March'2013 with a Caustic Soda Lye capacity of 500 MTPD (MT/ Day) and Caustic Soda Flakes capacity of 100 MTPD (MT/ Day). Grasim Cellulosic Division is a latest plant in the Pulp & Fibre business, commissioned in Apr-2014 which produces both grey VSF and specialty fibre. This is the company's first plant producing specialty grade fibre.

The unit produces Caustic Soda (Lye & Flakes), Hydrogen Gas, Chlorine Gas, HCl, Hypo Chlorite, ALCP, Poly Aluminum Chloride (PAC), Stable Bleaching Powder (SBP) & Chlorinated Paraffin (CP) Wax Product.

GRCD, Vilayat plant has implemented Quality, Environment and Safety Management Systems as per ISO 9001:2015, ISO 14001:2015, ISO 45001:2018. Environmental quality monitoring in & around the project site is being carried out by GPCB & NABL approved Laboratory on a regular basis.

Grasim's caustic soda business at Nagda, Madhya Pradesh, started with an initial capacity of 33,000 TPA, and has since grown to 440,500 TPA, making it the second-largest caustic soda manufacturer in India.

After commissioning caustic soda plant in Vilayat of capacity 365,000 MTPA, in Gujarat region making it the largest chlor-alkali player in India.

Today, Grasim's Chemical Division spans across seven chlor-alkali plants in India and offers a plethora of chlorine derivatives. The business focuses on innovation and is committed to providing customized solutions and product offerings.

Point wise compliance status of Environmental Clearance for GRCD, Vilayat is furnished herewith.

Compliance status of Environmental Clearance

vide Letter No.: SEIAA/GUJ/EC/1(d), 4(d) & 5(f)/96/2011 dated 30th May 2011 &

amendment to EC vide letter No. SEIAA/GUJ/EC/1(d), 4(d) & 5(f)/98/2012 dated 22nd March 2012

No.	EC Conditions Compliance status					tus	
environmental clearance for Expansion: putting Chlor-alkali unit with value added products (as a backward integration of VSF plant) along with expansion of captive power plant from 25 MW to 85 MW located at Plot No. 1, GIDC Industrial Estate, Vilayat - 394 120, Tal: Vagra, Dist: Bharuch by M/s. Grasim Cellulosic (A Unit of Grasim Industries Ltd.). M/s. Grasim Cellulosic obtained environmental clearance in the year 2008 for manufacturing of VSF, CS2, Sulphuric Acid, Sodium Sulfate and Captive Power Plant at Vilayat Vagra. In addition to above products, it is now proposed to expand the project by putting Chloralkali unit as a backward integration of power plant from 25 MW to 85 MW. Bipolar membrane cell technology shall be adopted for the Chloralkali unit. The applicant has applied for		it	y of Environ	ment Clearance o			
	Products	Causti c Soda Lye	Liquid chlorine / Hydrochlori c Acid	Hydroge n	Chlorosulphoni c Acid	Sulphuri c Acid	Carbon Disulphid e
	SEIAA/GUJ/EC/1(d) , 4(d) & 5(f)/96/2011 dated 30th May 2011 and amendment to EC vide letter No. SEIAA/GUJ/EC/1(d) , 4(d) & 5(f)/98/2012 dated 22nd March 2012	219000 TPA (600 TPD)	197100 TPA (540 TPD)	61320000 NM3/Year (168000 NM3/Day)	73000 TPA (200 TPD)	36500 TPA (100 TPD)	31025 TPA (85 TPD)
	Total Production						1

Sr. No.	EC Conditions		Compliance status				
		Aluminum Chloride	Bleaching Powder	Paraffin	Chloride	Generation	
	SEIAA/GUJ/EC/1(d), 4(d) & 5(f)/96/2011 dated 30th May 2011 and amendment to EC vide letter No. SEIAA/GUJ/EC/1(d), 4(d) & 5(f)/98/2012 dated 22nd March 2012	146000 TPA (400 TPD)	36500 TPA (100 TPD)	36500 TPA (100 TPD)	14600 TPA (40 TPD)	96 MW	
	Total Production (Tons) - Apr 2022 to Sep 2022	Nil	Nil	Nil	Nil	13870 MW	
	Average Production (Tons) - Apr 2022 to		Nil	2312 MW			
	* Note: Production d no. 1-2 in EC complia 2016.						
4	Specific Condition	S					
1	The Unit shall obtain	-	Complied				
	permission from PES	0, •	 We have obtained licenses from Petroleum & Explosive 				

- The Unit shall obtain requisite permission from PESO, Nagpur for storage of Chlorine, Hydrogen etc. before commissioning of the project.
- We have obtained licenses from Petroleum & Explosives Safety Organization (PESO) for Chlorine, Hydrogen and Class B chemicals before commissioning of the project. Licenses are attached as **Annexure-2**.

PESO License No.	Description	Date of Issue/ Renewal/	Validity
S/HO/GJ/03/1445 (S52646)	License to store compressed gas in pressure vessel or vessels (Chlorine Bullet)	05-09-2022	30-09-2027
G/HO/GJ/05/733 (G31658)	License to Fill Compressed Gas in Cylinders – Chlorine	07-10-2019	30-09-2028
G/HO/GJ/06/724 (G31658)	License to Store Compressed Gas in Cylinders – Chlorine	07-10-2019	30-09-2028
A/G/WC/GJ/GCT/11(G58778)	Periodic examination and testing of chlorine seamless cylinders	18-09-2020	30-09-2023
G/HO/GJ/05/738 (G31657)	License to Fill Compressed Gas in Cylinders – Hydrogen	07-10-2019	30-09-2029
G/HO/GJ/06/728 (G31657)	License to Store Compressed Gas in Cylinders – Hydrogen	07-10-2019	30-09-2029
P/HQ/GJ/15/5344 (P296022)	License to import and store Petroleum in an installation – Petroleum Class B	30-09-2019	31-12-2023
G/WC/GJ/06/1803 (G34271)	License to Store Compressed Gas in Cylinders-ALCP Plant	27-07-2022	30-09-2033

A.1 Water:

2 No ground water shall be used for the project. Entire water requirement of 35000 KLD after the proposed expansion shall be met through the GIDC water supply.

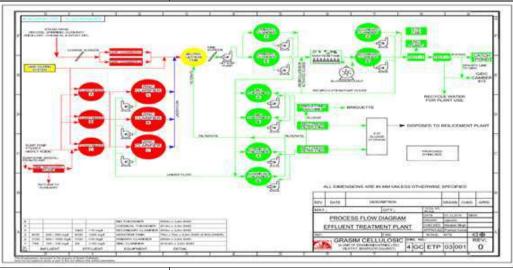
- Complied
- No ground water is used for the project and entire water requirement is met through GIDC supply.
- We have obtained approval for using 35000 KLD of Gujarat Industrial Development Corporation (GIDC)
 Water through water supply pipeline. Following are the GIDC offer cum allotment letter details:

Sr. No.	Letter No.	Water Supply	Effluent Discharge		
1	GIDC/POJ/MKT/GRASIM/575 Dated 6th December 2006	15.60 MLD	12.48 MLD		
2	GIDC/SE/CG/BRH/1236 Dated 29th December 2016	25 MLD	19.4 MLD		
3	GIDC/ENG/CE/34 Dated 9th October 2017	55-56 MLD			

Month	Water Consumption
Month	KL/Month
April-22	483336

Sr. No.	EC Conditions	Compliance status			
		May-22	521930		
		June-22	492324		
		July-22	498513		
		August-22	465180		
		September-22	479133		
		Total	2940417		
3	The Industrial effluent	 Complied 			
	generation from the project	·	generation does not exceed		
	shall not exceed 25600 KLD	25600 KLD.	5 -		
	after the proposed expansion.		Industrial effluent		
	arter the proposed expansion	Month	KL/Month		
		April-22	43639		
		April-22 May-22			
			43639		
		May-22	43639 44822		
		May-22 June-22	43639 44822 47254		
		May-22 June-22 July-22	43639 44822 47254 48573		
		May-22 June-22 July-22 August-22	43639 44822 47254 48573 41941		
4	The Industrial effluent shall	May-22 June-22 July-22 August-22 September-22	43639 44822 47254 48573 41941 46587		
4	l l l l l FTD	May-22 June-22 July-22 August-22 September-22 Total Complied	43639 44822 47254 48573 41941 46587		

- 4 The Industrial effluent shall be treated in the ETP consisting of Zinc Clarifier, tanks (3.0 Nos), Grit Chambers (3.0 Nos), Primary Clarifier (2.0 Nos), Equalization Tank, Biological Reactor, Final Clarifiers (2.0 Nos) Thickeners (2.0 Nos). Belt Press (2.0 Nos) and sludge Dryers (6.0 Nos). The ETP shall be operated regularly and efficiently so as to achieve the GPCB norms at the ETP outlet.
- The industrial effluent is treated in the ETP consisting Zinc Clarifier, tanks (3.0 Nos.), Grit Chambers (3.0 Nos.), Primary Clarifier (2.0 Nos.), Equalization Tank, Biological Reactor, Final Clarifiers (2.0 Nos.) Thickeners (2.0 Nos.) Belt Press (2.0 Nos.) and sludge Dryers (6.0 Nos.).
- ETP is operated regularly and efficiently to achieve the prescribed GPCB norms at the ETP outlet.



- The treated waste water conforming to the GPCB norms shall be discharged into the GIDC underground drain for its final disposal into deep sea.
- Complied
- The treated waste water confirming to the GPCB norms are discharging into GIDC underground pipeline for final disposal to deep sea through GIDC.
- 6 A Guard or polishing pond shall be provided before discharge of treated effluent in to GIDC drain. The Unit shall provide on line pH
- Complied
- We have provided 2 Nos. of guard ponds, each of (L: 90m, B: 60m, SWD: 6.5m) equivalent to 50,000 m3 capacity provided, (suitable for storage of 48 hrs) before discharge of treated effluent into GIDC drain.

Sr. No.	EC Conditions	Compliance status
	meter, TDS meter & TOC meter for online monitoring of the treated effluent.	As per CCA condition, we have installed Online pH meter, flow meter & TOC meter are provided for monitoring of the treated effluent. Photograph of Guard Pond: Toc meter are provided for monitoring of the treated effluent.
7	The domestic waste water generation shall not exceed 800 KLD after the proposed expansion.	Complied The domestic waste water generation does not exceed 800 KLD.
8	The domestic waste water shall be treated in the adequate STP, the STP shall be operated regularly and efficiently so as to achieve the GPCB norms at the STP outlet.	 Complied STP is operated regularly and efficiently to achieve the GPCB norms at the STP outlet. We have installed Sewage Treatment Plant for treatment of domestic wastewater on the following specification: Design Capacity of STP: 1080 m3/day. Design Basis: Flow: 1080 m3/day. BOD: 250-270 mg/l. COD: 400-600 mg/l TSS: 400 mg/l pH: 6 - 9
9	The treated domestic waste water conforming to the GPCB norms shall be utilized for gardening/ plantation within premises. However the rainy season, it shall be transferred to the ETP for its discharge into the GIDC underground drain.	 Complied Treated domestic wastewater from STP is utilized for gardening/ plantation within premises after conforming to GPCB prescribed standards. In rainy season, treated domestic water is transferred to the ETP for its discharge into the GIDC underground drain.
10	The Unit shall provide metering facility at the inlet and outlet of the ETP & STP and maintain the record of the same.	Complied We have provided metering facility at inlet & outlet of the ETP & STP and maintain the records of the same regularly.
11	Proper logbooks of ETP & STP operation and also showing the quantity of effluent generated, discharge into GIDC underground drain, utilized for plantation/gardening etc. shall be maintained and furnished to the GPCB from time to time.	 Complied Proper logbooks of ETP & STP operation is maintained, quantity of effluent generated & discharge into GIDC drain and utilization in plantation/ gardening is maintained. Readings are maintained and submitted in the Monthly Patrak on GPCB XGN regularly.
12	Regular performance evaluation of the ETP & STP shall be undertaken every	Complied Regular performance evaluation of ETP & STP is undertaken every year and checked for adequacy by

Sr.	EC Conditions	Compliance status
No.	year to check its adequacy, through credible institutions like, L. D. College of Engineering, NPC or such other institutions of the similar reputed, and its records shall be maintained.	GPCB authorized 3 rd party Schedule-I Environment Auditor (M. S. Patel Department of Civil Engineering, CSPIT, CHARUSAT) and its record is maintained.
13	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter.	 Complied Rainwater is recovered from flat roof tops and stored in a rain water harvesting well near admin building to conserve fresh water and reduce the water requirement from other sources. We are exploring the possibilities for rainwater harvesting in nearby area in consultation with a Geohydrology expert. Photograph of Rain water harvesting in school of Saladara village.
14	The Unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC.	 Complied We are and will be participating financially and technically for any common environmental facility/infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC. We have also invested a special amount for a training & development of education program that has been initiated jointly by Paryavaran Vikas Kendra-Rajkot and Paryavaran Mitra Ahmedabad.
A.2	AIR:	
15	Process emission shall be controlled with the air pollution control equipment (APCE) as mentioned below. a. Poly Aluminum Chloride Plant - Water scrubber for absorption of HCl vapor. b. Caustic Soda Plant- Water scrubber having bubble cap tray system for absorption of HCl vapors & three tower systems with alkali scrubber for absorption of unreacted chlorine to produce	 Complied a. We have provided water scrubber for absorption of HCl vapor. b. We have provided Water scrubber having bubble cap tray system for absorption of HCl vapors & three tower systems with alkali scrubber in Sodium Hypo Stack. Online monitoring system is also provided and it is connected to CPCB & GPCB server. c. We have provided Alkali Scrubber for the absorption of Cl2 emission in Bleaching Powder Plant, Aluminum Chloride Plant & Chlorinated Paraffin Plant. d. Double Contact Double Absorption (DCDA) system is installed in Sulphuric Acid manufacturing. We have provided with 2-stage scrubber system for scrubbing SO2 using alkali. With this scrubbing system, we are

Sr. No.	EC Conditions	Complianc	e status		
	sodium Hypo Chlorite. c. Bleaching Powder Plant, Aluminum Chloride Plant and Chlorinated Paraffin Plant -Alkali scrubbers of absorption of Cl2 emission. d. Sulphuric Acid Plant- DCDA system in manufacturing and scrubbing system. e. Chlorosulphonic Acid Plant- Acid scrubber for absorption of SO3	meeting the emission norm acid plant. e. Chlorosulphonic Acid projec chlor-alkali unit yet.			
16	emissions. The APCE shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets. Adequate stack height as per prevailing norms shall be provided for the process emissions.	 Complied The Air Pollution Control Eqwith different stacks are op effectively to achieve the G We have provided adequate prevailing norms for the pro 	erated efficiently and PCB prescribed norms. e stack height as per		
17	Natural gas shall be used as a raw material in the CS2 Plant. Thus, there shall be no CS2 & H2S emission from the CS2 Plant.	installation of an additional	Complied We have upgraded Sulphur recovery system by installation of an additional scrubber so as to ensure that no CS ₂ & H ₂ S get emitted from CS ₂ Plant.		
18	Imported Coal to the tune of 1700 TPD shall be used as a fuel in the proposed 96 MW Power Plant. Two stacks, each of 125 m height shall be provided for the proposed power plant.	Complied Coal consumption for the provided below: Month April-22 May-22 June-22 July-22 August-22 Sptember-22 Two stacks of 125 m Ht are plant.	Coal MT/ Month 46821 57524 55110 60152 48972 46594		
19	High Efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9 % shall be installed for control of flue gas emission from power plant. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in the plant DCS in such a way that if emission from ESP exceeds the specified standard, Utilization of Boiler Capacity shall reduce so that flue gas emission from the stack meets with the specified norms or boiler shut down totally.	 Complied High Efficiency Electro Stati % efficiency installed for confrom power plant. The ESP is operated efficient norms of GPCB for particular integrated in the Distributed Online monitoring system is plant stack and it is connected. The control system has been in the plant DCS in such a very support of the control system. 	ntly to meet the prescribed ate matter and data has d Control System (DCS). s also provided at power ted to CPCB & GPCB server. en designed and integrated		

Sr. No.	EC Co	nditions			Compliance	status		
	 Monthly Analysis Report from Unistar Environment & Research Lab Pvt. Ltd. refer as Annexure-3 Agency & Address: Unistar Environment & Research Lab Pvt. Ltd. GIDC Char Rasta, Vapi NABL: TC-7753 							
	 Details of 	instrument Us						
	Month/	Pow SPM	er Plant Stac	k 1 NOx	Pov SPM	wer Plant Stack		
	Parameters	(mg/Nm3)	SO2 (ppm)	(ppm)	(mg/Nm3)	SO2 (ppm)	NOx (ppm)	
	Apr-22	28 26	39 41	36 33	22 20	35 37	38	
	May-22 June-22	20	33	35	24	30	33	
	July-22	18	36	31	27	34	38	
	Aug-22 Sept-22	21 16	30 37	34 40	30 18	36 32	34 38	
	Min	16	30	31	18	30	33	
	Max	26	41	40	30	37	38	
20	Avg. There shall be	20	35 d • Co	35 mplied	25	33	36	
	even though of out of order, the standards of P In case failure fields of the Establi immediate the Power Plan	mg th. Sur re the	Nm3. With spended Pare prescribed case failure	ticulate Matter (n-1) four field ticulate Matter standards. of two or more ut down the Po	ls working, the emission fron fields of the	e designed n stack is in		
21	On line monitor shall be install at least SOX & concentrations emission and the displayed a locations in the	• On of as Als pla	Power plant, o same has nt main gate	ing system inst displaying the been displayed	values of SO	X & PM.		
22	The company schedule, carry preventive ma mechanical an parts of ESPs a responsibility of maintenance to officer of the company schedule.	• We pre	eventive maints of ESPs u	red schedule a ntenance of me inder the respo ngineer of the o	echanical and nsibility of Sr.	electrical		
24	Adequate air pollution control system shall be provided as proposed for control of fugitive emission viz. water sprinklers at all coal transfer points and truck unloading points. Dust suppression along coal storage locations, paddle type dust conditions for wetting the fly ash during unloading etc. The fugitive emission in the work zone environment shall be maintained. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).		Wa con tra We loc ash Fly avo	ntrol the fug nsfer points have provide ations, padd during unloush ash is store bid any dust mplied gitive emission	d in silo and tra	at coal storage ading area. ession along c nditions for w ansferred in c ne environmentarty on month	coal storage retting the fly lose trucks to	
			1					

Sr. No.	EC Conditions	Compliance status	
	evaluation of air pollution control system shall be undertaken every year to check its adequacy, through credible institutions like, L. D. College of Engineering, NPC or such other institutions of the similar reputed, and its records shall be maintained.	Regular performance evaluation of ETI undertaken every year and checked fo GPCB authorized 3rd party Schedule-I Auditor (Dr. Jivraj Mehta Institute of T its record is maintained.	r adequacy by Environment
26	Regular monitoring of ground level concentration of CS2, SO2, NOX, Cl2, HCl, PM10 and PM2.5 shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by Gujarat Pollution Control Board. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB.	Complied Regular monitoring of ground level cor CS2, SO2, NOX, Cl2, HCl, PM10 and PI third party in the impact zone and its maintained. If at any stage these levels are found prescribed limits, necessary additional will be provided immediately. The location of the monitoring stations monitoring are decided in consultation are 4 nos. of ambient air quality monit covering all directions in nearby village Argama & Vilayat).	M2.5 is done by records are to exceed the control measures and frequency of with GPCB. There coring stations
A.3	HAZARDOUS/ SOLID WASTE		
27	The company must strictly comply with the rules and regulations with regard to handling and disposal of Hazardous waste in accordance with the Hazardous waste (Management, Handling and transboundary movement) rules 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection/ treatment/ storage/ disposal of		the BEIL lated 02/03/2022 00 MT/Year
28	hazardous wastes. The Hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate location facility, before its disposal.	Complied We have provided impervious layer will and leachate location facility in the segwaste storage area for storing before of	oarate hazardous
29	The Unit shall dispose its ETP	Complied We are member of TSDF site operated	Llav. M/a Dlaamah
23	sludge, Brine/ process sludge, spent resin, spent catalyst and spent carbon at the	Enviro Infrastructure Ltd. Following is membership details:	
	sludge, Brine/ process sludge, spent resin, spent catalyst and spent carbon at the nearest common TSDF. The	Enviro Infrastructure Ltd. Following is membership details:	
23	sludge, Brine/ process sludge, spent resin, spent catalyst and spent carbon at the	Enviro Infrastructure Ltd. Following is membership details: Membership No. OTH/133 d	the BEIL lated 02/03/2022 00 MT/Year

Sr. No.	EC Conditions	Compliance status	
140.	solid waste.		
30	Discarded containers/ barrels/ bags/ liners shall be either reused or sold only to the authorized recyclers after decontamination		Discarded containers/ barrels/ bags/ proved registered recyclers only.
31	Used Oils can be sold only to the registered recyclers. Fly ash to be handled in dry	CompliedUsed Oil is sold toComplied	Registered recyclers only.
32	site and handling of the fly ash shall be done through a	•	
	closed pneumatic system.	Month	Fly ash Generation In MT
		April-22	6754
		May-22	7725
		June-22 July-22	3002 5594
		August-22	4221
		September-22	3779
		Min.	3002 7725
		Max. Average	7725 5179
33	Atleast seven days storage facility for the fly ash in terms of closed silos shall be provided at site. No ash pond shall be constructed for storage of fly ash.	of fly ash at the s	I 2 nos. Silo (350 MT each) for storage ite for 7 days. Instructed for storage of fly ash.
31	The ash shall be supplied to the manufacturers of ash based products such as cement, concrete block, panels, etc. The unit shall strictly comply with the fly ash notification under the E. P. Act and it shall be ensured		plied to the manufacturer of ash based cturer of Cement/ Bricks). 100 % fly Fly ash Generation In MT 6754 7725 3002
	that there is 100% utilization	July-22	5594
	of ash to be generated from the unit.	August-22 September-22	4221 3779
	the unit.	Min.	3002
		Max.	7725
A.4	SAFETY:	Average	5179
35	Provisions of the Manufacturing, Storage & Import of Hazardous Chemicals Rules, 1986 & Factory act 1948 shall be compiled with.	 Complied We are following MSIHC Rules, 1989 and Factories Act, 1948. All the chemicals/ materials are stored in the storage tanks with required material of Construction. Sufficient dykes are provided at Tank storages as per chemical handling and storage guidelines. Fire Hydrant system is provided nearby storage and handling area for emergency purpose. Safety trainings are provided to all the operators and workers working in such areas. Hazard Identification and Risk Assessment (JSA) of all activities carried out and SOPs are prepared accordingly. Safety showers are provided nearby storage areas. 	
36	A well designed fire hydrant system shall be installed as per the prevailing standards.	CompliedFire hydrant syste Committee) guideCA Plant	em installed as per TAC (Tariff Advisory elines.

Sr. No.		EC Conditions	C	ompliance status
37	measu recom in Cha	risk mitigation ires, general & specific mendations mentioned pter 6 of the EIA t shall be implemented.	Fire Tender Details: Water capacity: 5000 Foam capacity: 500 lit Emergency Rescue Ve emergencies: 1 No. Single Headed Hydran Fire Hose Reel: 22 No DCP Extinguisher: 100 CO2 Extinguishers: 22 CMS plant Fire Foam Tender Det Water capacity: 4000 Foam capacity: 2000 I Emergency Rescue Ve emergencies: 1 No. Fire Water Reservoir S Fire extinguisher total ABC: 68 nos. CO2: 17 nos. Foam type: 10 nos. Hydrant: 33 nos. Monitor: 5 nos. Hose reel: 10 nos. Foam capacity: 7500 I Complied As per Chapter 6 6	ter chicle for attending outside at: 100 Nos s 0 kg (50 kg × 2 Nos.), 2.5 kg × 4 Nos. Tails: liter liter chicle for attending outside Storage Capacity: 2950 KL 95 nos.
	Sr.	Risk Mitigation Measure	e - Recommendations	Compliance Status
	No. 1	Surrounding population shall be made aware the safety precautions to be taken in the ever any mishap within the plant. This can effect be done by conducting the training awarer programs.		We have distributed "Disclosure of Information" as per Section-41 B as per Factories Act to the surrounding population and conducted training programs for awareness.
	2	Critical switches and alarn in lir	, , ,	Our plant is operated by Distributed Control System (DCS) and all safety interlocks are provided and ensured its compliance by DCS operator on continuous basis.
	3	Fire detectors should be in which handle large amour and operate under high terms.	nt of flammable material	Fire detectors are installed near those units which handle large amount of flammable material and operate under high temperature and pressure.
	4	A wind direction pointer should also be installed at storage site so that in an emergency the wind direction can be directly seen and downwind population cautioned.		We have provided wind indicators at 20 locations in factory premises so that in an emergency the wind direction can be directly seen and downwind population cautioned.
	5	Shut off and isolation valves should be easily approachable in emergencies.		All shut off and isolation valves are located as such that it can be easily approachable in emergencies. Material Safety Data Sheet and
	6	Material Safety Data Shee should be displaye		Toxicological Data are displayed in Hindi and English languages at the facility.
38	measu avoid	cessary precautionary ures shall be taken to any kind of accident storage and handling	trainings have bee	ed job safety analysis procedure and en provided to all employees. Proper ded to mitigate any emergency.

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	of toxic/ hazardous chemicals, especially chlorine, hydrogen, CS2, HCl etc.	
39	Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risk generated out of it. Storage of hazardous chemicals shall be taken to mitigate the risk generated out of it. Storage of hazardous chemicals shall be in multiple small capacity tanks/ containers instead of one single large tank for safety purpose.	 Complied We have provided tanks and vessels to storage hazardous chemicals with proper controls such as Dyke wall, Level Transmitters, safety valves and interlocks are provided in DCS.
40	During material transfer, spillage shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	 Complied For material transfer, we have provided pipelines of required MOC in the plant. We have block the storm water drain connection point in the plant areas.
41	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for Hazardous chemicals. Close handling system for chemicals shall be provided.	Complied We have provided suitable tanks and vessels to storage hazardous chemicals with proper controls such as Dyke wall, Level Transmitters, safety valves and interlocks are provided in DCS.
42	Tie up shall be done with nearby health care unit for seeking immediate medical attention in the case of emergency, regular medical checkup of the workers and keeping its records etc.	 Complied OHC with availability of para-medical staff & ambulance is available round the clock. We have also tied up with M/s. Apex Multispecialty Hospital at Bharuch. Periodic health checkup of all workers is also carried out regularly as per Factory act requirement.
43	Personal protective equipment shall be provided to workers and its usage shall be ensured and supervised.	 Complied We have provided proper job specific PPEs to all the workers and its usage is ensured and supervised regularly.
44	First aid box and required antidote for the chemicals used in the unit shall be made readily available in adequate quantity.	 Complied We have 58 Nos. of first aid boxes at different locations of our plant containing required antidote for the chemicals used in the plant.
45	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	 Complied Training is imparted to all the workers at regular intervals for safety and health during chemical handling, Emergency Preparedness, etc. We have engaged DuPont Safety for implementation of Work place safety & Process Safety management system and to provide training & Awareness of employees in the site. We have made six different sub committees of Work place safety and Process safety management subcommittees. APEX Committee headed by Unit Head,

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		functional Head and department heads to develop and implement safety management system.
46	Occupational health surveillance of the workers shall be done and its records shall be maintained. Preemployment and periodical examination for all the workers shall be undertaken as per the factories Act & rules.	 Complied Occupational health surveillance of the workers is done and its records are maintained. Six monthly pre-employment and periodical examination for all the workers is being carried out.
47	Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.	 Complied We have DCS operated plan which requires minimum Human intervention though we have provided suitable means of PPEs to avoid exposure.
48	Transportation of Hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Complied We are following Central Motor Vehicles Rule - 9 for Hazardous chemical transportation.
A.5	NOISE: To minimize the noise pollution	the following noise control measures shall be implemented:
-	Selection of any new plant equipment shall be made with specification of low noise levels	Complied We have procured and installed standardize equipment in our plant. We are regularly monitoring noise level of the plant area.
-	Manufacturers/ suppliers of major noise generating machines/ equipments like air compressors, feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible supply and installation to mitigate the noise generation and to comply with the national/ international regulatory norms with respect to noise generation for individual units.	 Complied During our procurement, we are instructing our Manufacturers/ suppliers to make required design modifications in equipments like air compressors, feeder pumps, turbine generators, etc. to mitigate the noise generation and to comply with the national/ international regulatory norms. We are regularly monitoring noise level of the plant area as per schedule.
-	Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.	Complied Regular maintenance of machinery and vehicles are undertaken to reduce the noise impact and also considered upgraded version equipment with reputed vendors to ensure minimal noise impact.
-	Noise suppression measures such as enclosures, buffers and/ or protective measures shall be provided.	 Complied Noise suppression measures have been provided at D. G. Sets with acoustic enclosures, utility compressors in well-ventilated area with noise protection.
-	Employees shall be provided with ear protection measures like earplugs or earmuffs.	 Complied Earplugs and earmuffs are provided to all the workers working in high noise area and we have displayed caution notice 'High Noise Area - Use ear protection' in such locations.
-	Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation.	 Complied Proper oiling, lubrication and preventive maintenance is carried out of the machineries and equipment to reduce noise generation. We are following different maintenance practices such

Sr. No.	EC Conditions	Compliance status
		as Preventive Maintenance, Predictive Maintenance, Condition based Maintenance and also maintenance prevention with joint collaboration with vendors/ new technology at our site.
-	Construction of equipment generating minimum noise and vibration shall be chosen.	 Complied We have procured and installed equipment like compressors of the companies such as Kirloskar, Ingersoll pneumatic etc. with silencers and Pumps such as Micro finish, Rajedia, Johnson, Tritech etc.
-	Ear plug and muffs shall be made compulsory for the construction workers working near the noise generating activities/ machines/ equipment.	 Complied Earplugs and earmuffs are provided to all the workers working in high noise area and we have displayed caution notice 'High Noise Area - Use ear protection' in such locations
-	Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate.	 Complied Vehicles and construction equipment with internal combustion engines without proper silencer are not allowed to operate at our site.
-	Construction equipment meeting the norms specified by EP Act.1986 shall only be used.	 Complied Construction equipment meeting the norms specified by EP Act 1986 are used.
-	Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas	 Complied Noise control equipment such as Silencers are provided in Emergency D. G. sets which are used as power back up in case of emergency and any other potential areas are also considered with the same.
-	Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment.	 Complied We have provided silencers/ mufflers on such noise generator equipment to reduce the noise levels.
A.6 51	The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, variation dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and rules. Work place noise levels for workers shall be as per the factory act and rules. ENERGY CONSERVATION: The project proponent shall	 Complied The overall noise level in and around the plant area is kept well within the prescribed standards by providing noise control measures including acoustic insulation, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels are conforming to the standards prescribed under the Environment (Protection) Act and Rules.
21	install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.	 Compiled We have installed energy efficient devices and appliances as per the Bureau of Energy Efficiency norms.
52	The energy audit shall be conducted at regular intervals and the recommendations of	 Complied Energy Audit of Chlor-alkali & Value Added Products plant is carried out on regular basis by central technical

Sr. No.	EC Conditions	Compliance status
	the audit report shall be implemented.	cell.
53	The project proponent shall implement the application of solar energy which shall be utilized as solar lighting for illumination of common areas, lighting of internal roads and passages in addition to utilization of solar water heating system.	Complied Solar landscaping lights are installed for Admin Building and also in other plant areas.
54	The transformers and motors shall have minimum efficiency of 85%.	 Complied All transformers are of higher efficiency > 98 %
55	Variable frequency drives shall be installed.	 Complied 80 nos. of Variable frequency drives are installed for energy saving.
56	Energy conservation measures shall include use of electronic lighting system. Use of CFL tubes to minimize energy use. Use of programmable timers for pumping system and lighting. Water level controllers for water pumps, centralized cooling etc.	Complied All lights are energy efficient MH lamps and we are replacing the same with LED lights. (50 % replacement is already done).
57	 Energy saving practices as follows shall be practiced. Constant monitoring of energy consumption and defining targets for energy conservation Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort level Use of solar cells for lighting Use of solar water heater for canteen & washing area Proper load factor shall be maintained by the unit Provision of day light roof to utilize maximum natural light in the production plant instead of electrical lighting. Use of electronic ballast to save energy Automatic switching system for lighting & water tank pumping shall be used 	 Complied Energy saving practices and initiatives are in place. Solar landscaping lights are installed for Admin Building and also in other plant areas.

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	To the maximum extent possible and technically feasible, energy efficient equipment like motors, pumps, air conditioning systems shall be selected Gravity flow shall be preferred wherever possible to save pumping energy Promoting awareness on energy conservation Training to the staff on methods of energy conservation and to be vigilant for this	D WASTE MINIMISATION
A.6 58	CLEANER PRODUCTION AND The unit shall undertake the	Complied
58	cleaner production Assessment study through a reputed institute/ organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	 Compiled We have carried out Cleaner Production Assessment studies by Gujarat Cleaner Production Centre (Established by Industries & Mines Department, Government of Gujarat). We have received participation certificate from Gujarat Cleaner Production Award for the year 2014-2015 and 2015-2016. We have also applied for Gujarat Cleaner Production Award 2016-2017.
59		ollowing waste minimization measures:
a)	Metering and control of quantities of active ingredients to minimize waste.	 Complied We have provided flow meters for wastewater generation. We have installed RO system for reducing the effluent 192 KLD. Recycle steam and vapor condensate used in process & cooling tower. We use super washed salt to reduce chemical consumption in turn to reduce solid waste generation.
b)	Reuse of by-products from the process as raw materials or raw material substitute in other process.	 Complied We are using Hydrogen as a clean fuel for producing Caustic Soda flakes & Poly Aluminum Chloride. Use of waste chlorine gas for producing 32% HCl. Vapor condensate from flaking plant treated by polishing unit and finally used as DM water. By-product HCl from CPW Plant is used in PAC plant as raw material.
c)	Use of automated and enclosed filling to minimize spillages.	 Complied We are using automated and closed filling to minimize spillages.
d)	Use of close feed system into batch reactors.	CompliedWe are using close feed system into batch reactors.
e)	Dry cleaning/ mopping of floor instead of floor washing.	CompliedFloors are cleaned through mopping.
f)	Use of light pressure hoses for cleaning to reduce waste water generation.	 Complied Light pressure hoses are used for cleaning and reduce the wastewater.
g)	Regular preventive maintenance for avoiding leakage, spillage etc.	 Complied Preventive maintenance schedule is strictly complied to ensure the health of the equipment & pipelines. Chlorine liquid & gas pipelines thickness is being measured & monitored regularly.

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A.7	GREEN BELT AND OTHER PL	ANTATI	ON			
60	The unit shall develop green belt with premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road side and suitable open areas in the GIDC / local bodies / GPCB and submit an action plan of plantation for next three years to the GPCB.	ConWe maiWe sap	nplied have appointe intain the greei have already s	nbelt pro started pl n planted	antation and all in & around the	•
61	Minimum of 15000 trees shall be planted every year up to five years and budget of Rs 10 lacs per annum shall be earmarked for the greenbelt development, as committed by the project proponent.	 We dev earn 5 Ye pre Out Acre We alor Acre 	relopment in the marked for the ears rolling pla pared for green of 567 Acres, e and out of 30 have developeng the boundar	e premise green be green be n with the n develop Grasim COO Acre, and greenbry wall ar	os. of trees as a es and separate elt developmen e budget of Rs. oment. Cellulosic divisio 168 Acre is con- pelt in our facto ad open space a c of 33% green	e budget is t project. . 50 Lakh is on has 300 struction area. rry complex area of 55.4
		Sr.	Village	Total	Number of	
		No.	Name	Acre	Tree Plantation	Time Line
		1	Saran-2	2	4000	2020-21
		2	Sarnar -2	2	4000	2021-22
		3	Vilayat -2	2	4000	2022-23
		4	Vorasamni	2	4000	2023-24
		5	Derol	2	4000	2024-25
			Total	10	20000	
62	Drip irrigation / low-volume, low angle sprinkler shall be used for the green belt development.	Drip useTot	d for green bel	lt develop rea is cov	vered under dri	
В.	GENERAL CONDITIONS:			•		
63	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	All I dire DCS any	ectly connected S. For ensure, a	l with pro all the sa are also f	s installed in ou ocess safety into fe requirements ollowing pre-sta e system.	er locks from s meet before
64	The company shall strictly follow all the recommendations mentioned in the Charter Corporate Responsibility for Environment Protection (CREP) published by the Central pollution control board, as may be applicable.	As percentagePropertyplantEnergy	tection (CREP) ntation & Tree	publishe guard pr	esponsibility fo d by the CPCB, ovided to prote ke wood stoves	Tree
65	A separate environment	• Con	nplied			
	management cell equipped with full-fledged laboratory	• A se	eparate enviror		anagement cell ities and qualifi	equipped with ed personnel

Sr. No.	EC Conditions	Compliance status
	facilities and qualified personnel shall be set up to carry out the Environment Management and Monitoring functions and a separate budget shall be allotted for this purpose.	set up to carry out the Environment Management and Monitoring functions and a separate budget is allotted for this purpose.
	Namid Painday FH- Technical	Vivek Bhide President & Unit Head WCM & Sustainability Cell Vikus Valand Sudhir Mahnshwari FH- Commercial FH- HR
	Product & Energy & Energy & Emission Kirit Jadav Santhosh G	
66	Setyaveer 5 righ / Ville Valend The funds earmarked for	Vistas Valand
00	environment protection measures shall be maintained in a separate account and there shall not be diversion of these funds for any other purpose. A year wise expenditure on environmental safeguards shall be reported.	 Complied A separate fund / budget is defined / sanctioned on an annual basis with respect to Environmental Management a separate account is maintained with respect to the same. Yearly expenses with respect to environmental safeguards are also reported on an annual basis.
67	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	 Complied We have provided RCC and /acid brick line flooring in the required areas.
68	Leakages from the pipes, pumps, shall be minimal and if occurs shall be arrested promptly.	 Complied We have provided pipelines of suitable MOC in the plant which ensures no leakages from the pipes/ pumps.
69	All the recommendations made in the EIA/ EMP submitted by the project proponent shall be strictly implemented.	 Complied Recommendations made in the EIA/ EMP were submitted & implemented.
70	The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	 Complied We have not received any additional condition that may be imposed by the SEAC till date. We ensure that we shall comply with any additional condition that may be imposed by the SEAC or any other competent authority for the purpose of environmental protection.
71	No future expansion or modifications in the plant	NotedAll future expansion or modifications in the plant will be

Sr.	EC Conditions	Compliance status
No.	shall be carried out without prior approval of the MOEF / SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MOEF / SEIAA / SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	carried out with prior approval of the MOEF / SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MOEF / SEIAA / SEAC for clearance, a fresh reference will be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required.
72	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA/ SEAC as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	 Complied Separate fund / budget is identified / sanctioned on annual basis for Environmental management. A year wise expenditure on environmental safeguards is also reported.
73	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and may also be seen at the website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter in at least two local newspapers that are widely circulated in the region one of which shall be in Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned regional office of the Ministry.	 Complied We have informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and may also be seen at the website of SEIAA/SEAC/ GPCB. English and Gujarati Newspaper advertisement of the Environment Clearance is as per below and the same is attached as Annexure-5. Name of Paper: Times of India Date of Issue: 08.06.2011 In: English language Name of Paper: Gujarati Lok Satta Date of Issue: 07.06.2011 In: Gujarati language

Sr. No.	EC Conditions	Compliance status
	Grasim Celfulopic A Unit of Grasim Industries Lat Plot No. 1. GIDC Vilayat Dist. Bharuch, 6 Emmoneted Gladrance by State Level En- Impact Assessment Authority, Guja Most letter No. SEMARGIDIST THE AUTHORITY, Guja Most letter No. SEMARGIDIST THE AUTHORITY, Guja Most letter No. SEMARGIDIST THE AUTHORITY CO. State Emmonement Impact describes a Authority, accorded Emmonement Celebrances for the a Other shad print with County, back paint 2110 Alterial Requestry, apaid Chromes Proposition A According to the County of the County Industrial The Authority Road State The Celebrate Region The Advances Robbert 1980 The Colorisated Par The Above the County of The Colorisated Par The Above the Colorisated total are available with they also to be our at website of ISDAN-DEACOUR Grasim Industries Lid Registered Critice PO. Birlingson, Nagda - 456 331, Diet Ugain (M.P.)	SELECTION OF THE SELECTION OF S
74	It shall be mandatory for the project management to submit half yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authorities concerned on first June and 1st December of each calendar year.	Noted & Complied We are submitting half yearly compliance report to SEIAA in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies regularly.
75	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	 Noted & Complied We are complying all the conditions stipulated by the Gujarat Pollution Control Board.
76	The project authorities to inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of starting the project.	 Complied The date of financial closure and final approval of the project by the concerned authorities and the date of starting the project are: Date of financial closure: 31st March 2014 Date of final approval of the project by the concerned authorities: 26th June 2013
77	The SEIAA may revoke or suspend the clearance, if implementation of the above conditions is not found satisfactory.	 Noted We have been complying the conditions issued by the SEIAA. No suspension order issued by the SEIAA till date.
78	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974. Hazardous waste (Management Handling and Transboundary Movement) Rules 2008 and the public liability Insurance Act, 1991 along with their amendments and rules.	 Noted & Complied We are complying Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sr. No.	EC Conditions	Compliance status
79	The Environmental Clearance is valid for five Years.	 Noted The EC is valid for 5 years and we are submitting half yearly compliance report to GPCB RO, MoEF RO and SEIAA on regular basis. Before due date of the EC, we have encase the same via CTE and CCA.

Compliance status of Environmental Clearance

vide Letter No.: SEIAA/GUJ/EC/5(f)/90/2014 dated 1st Aug 2014

Sr. No.		EC Cor	nditions				Compliance	e status	
	Clear Fatty Cellul	proposal is for ance for Chlor Alcohol Plants osic (A Unit o	omethane s of M/s. (f Grasim I	es and Grasim ndustries	• C	ttached as or Fatty A	s Annexure Icohol, suita	ble technolog	gy is not
	Ltd.) located at Plot No. 1, GIDC Industrial Estate, Vilayat - 392 140, Tal. Vagra, Dist. Bharuch. Grasim Cellulosic is proposing to manufacture the following products as a forward		M A p	finalized by our technical/ project team hence we have not applied for the CTE of Fatty Alcohol plant and also we had deleting this product in upcoming EC Application. • Actual Production Details are as below:	Fatty ing this				
		ration to their						l Quantity (MT	
	plant	, which falls in e schedule of	the categ	gory - 5(f)	Sr. No.	Name of Product	Methylene Chloride	Chloroform	Carbon Tetra Chloride
			Qua	ntity	2	May, 22	_	_	_
	Sr.	Name of		1onth)	3	June, 22	1850	1023	124
	no.	product	Product	Ву-	4	Jul, 22	1999	1024	146
	l			product	5	Aug, 22	2276	1117	147
		Chloron	nethanes	as 1st stan	6	Sept, 22	2520	1205	135
		Methyl		as 1st step acturing of		Total	8645	4369	552
	*	Chloride		product	L A	erage/	1441	728	92
	2	Methylene Chloride (50 % to 80 % of							
		total production) Chloroform							
	3	(15 % to 40 % of total production)	4500						
	4	Carbon Tera Chloride (5 % to 10 % of total production)							
	5	Hydrochloric Acid		2250					
			LCOHOLS						
	A) I	FATTY ALCOHO		CTURING					
	1	Fatty Alcohol Crude Alcohol	ANT 2700						
	2	Refining (Light)		25					
	3	Crude Alcohol Refining (Heavies)		144					
	B)	FATTY ALCOHO		NATION					
	1	Fractionated Fatty Alcohol – Middle Cut	ANT 541						
	2	Alcohol Fractionated Fatty Alcohol	199	5					
		Light CutAlcoholFractionated	133						
A 1	3	Fatty Alcohol – Light	13		ONNE	NT 6: 52:	DANCE TO	CDANTER	
A.1		DITIONS WI	IH WHI	LH ENVIR	ONME	NI CLEA	KANCE IS (KANTED:	
A.1.1	WAT	ER:							

Sr. No.	EC Conditions	Compliance status
1	Fresh Water requirement for Chloromethanes and fatty alcohol plants shall not exceed 553 KL/Day and it shall be met only through GIDC water supply only. Metering of water shall be done and its records shall be maintained. No ground water shall be used for the project.	 Complied Fresh Water requirement for Chloromethanes is being met through GIDC Water supply only. Average water consumption for April 2022 to September 2022 is 91 KLD, sourced from GIDC water supply for the Chloromethanes Plant. We have installed Meters and maintaining the record of the same on regular basis. We are not using ground water for the Chloromethanes project. For Fatty Alcohol, suitable technology is not finalized by our technical/ project team hence we have not applied for the CTE of Fatty Alcohol plant and also we had deleting this products in upcoming EC Application.
2	Cooling tower blow down to the tune of 275 KL/Day and 20 KL/Day of wastewater from VRC unit and heavy recovery unit shall be treated by RO System. RO Reject to the tune of 88 KL/Day shall be treated in the ETP whereas RO Permeate water to the tune of 207 KL/Day shall be reused back in process plants.	Complied Cooling Tower blow down, Wastewater from VRC Unit & heavy recovery unit treated in RO system. RO Permeate reused in Process and RO reject further treat in ETP.
3	Industrial effluent generated from process of fatty alcohols - 25 KL/Day & Chloromethane (Hydro Chlorination & Photo Chlorination) - 60 KL/Day. VRC Unit & Heat Recovery Unit - 30 KL/Day, RO Reject - 88 KL/Day and safety showers - 4.5 KL/Day; hence total 207.5 KL/Day shall be treated in the ETP consisting of primary, secondary & tertiary treatment facilities.	Complied Industrial Effluent generated from Chloromethanes plant, VRC Unit & Heat recovery unit, RO reject, Safety Showers are treated in ETP. For Fatty Alcohol, suitable technology is not finalized by our technical/ project team hence we have not applied for the CTE of Fatty Alcohol plant and also we had deleting this products in upcoming EC Application.
4	Domestic wastewater generation shall be 12.5 KL/Day and it shall be treated in the ETP along with the industrial wastewater.	Complied Domestic Wastewater generation is not exceeded from 12.5 KLD and is being treated in ETP along with Industrial Wastewater.
5	The ETP shall be operated regularly and efficiently so as to achieve the GPCB norms at the ETP outlet.	Complied The ETP is being operated regularly and efficiently to achieve GPCB norms at the ETP Outlet. Also please note that the OCMS (Online Continuous monitoring system) is installed at outlet for continuous monitoring and it is connected with CPCB Server. Also weekly report sent by us to CPCB for the same. Also the monthly monitoring of the same is being carried out by NABL & MoEFCC approved Laboratory. ETP Outlet Monitoring reports are attached as Annexure 7.
6	The treated wastewater conforming to the GPCB norms shall be discharged into the GIDC underground drain for its final disposal in deep sea.	 Not Applicable As per CCA received from GPCB, unit need to follow ZLD system. The treated wastewater totally reused in plant process units and rejects used for Coal Sprinkling, Fly ash sprinkling, Dust suppression etc. Hence complied as per CCA Condition. No Wastewater discharged into the GIDC underground drain for disposal in deep sea.
7	A Guard/ Polishing Pond shall be provided before discharge of treated effluent into GIDC underground drain.	 Not Applicable As described in condition No. 6.

Sr. No.	EC Conditions	Compliance status
8	Online monitoring system shall be provided at final outlet of ETP for pH, TDS & TOC parameters and arrangement shall be made to reflect monitored data on server of the company, which can be accessed by the GPCB on real time basis. The unit shall also provide metering facility at the inlets and outlets of the ETP and maintain the records of the same.	 Complied We have already installed online monitoring system at final outlet of ETP for pH & TOC parameters for existing ETP and the same can be accessed by the GPCB on real time basis. Meters are also installed at the inlets and outlets of the existing ETP and records are maintained on regular basis.
9	Proper logbooks of ETP operation and also showing the quantity of effluent generated, discharged into GIDC underground drain, utilized for plantation/ gardening etc. shall be maintained and furnished to the GPCB from time to time.	Complied Logbooks are maintained for the existing ETP and data are furnished to the GPCB from time to time.
10	Regular performance evaluation of the ETP shall be undertaken through credible institute and its records shall be maintained.	Complied Regular performance evaluation of the existing ETP is undertaken through credible institute and its records are being maintained.
11	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC.	 Complied We are and will be participating financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC. We have also invested a special amount for a training & development of education program that has been initiated jointly by Paryavaran Vikas Kendra-Rajkot and Paryavaran Mitra Ahmedabad.
A.1.2	AIR:	
12	Hydrogen gas shall be used as a fuel in Volatile Reduction Chamber (VRC) whereas HSD shall be used as a fuel in the D. G. Set of 750 KVA proposed for new plants.	 Noted & Complied Hydrogen gas is being used as a fuel in Volatile Reduction Chamber (VRC). HSD is being used as a fuel in DG Set of 750 KVA. Till date there is no fuel consumption as VRC system yet not started and DG Set is for standby.
13	Process emission shall be controlled with mentioned below:	n the air pollution control equipments (APCE) as
	Hydro Chlorinator of Chloromethanes Plant - Condenser and Guard Condenser with cooling water circulation for control of VOC.	Complied Condenser and Guard Condenser are provided with cooling water circulation for control of VOC in Hydro Chlorinator of Chloromethanes Plant.
	Crude CMS distillation column of Chloromethanes Plant - Condenser and Guard Condenser with cooling water circulation for control of VOC.	Complied Condenser and Guard Condenser are provided with cooling water circulation for control of VOC in Crude CMS distillation column of Chloromethanes Plant.
	Heavies CMS Distillation Column of Chloromethanes Plant - Condenser and Guard Condenser with cooling water circulation for control of VOC.	Complied Condenser and Guard Condenser are provided with cooling water circulation for control of VOC in Heavies CMS Distillation Column of Chloromethanes Plant.
	Volatile Reduction Chamber (VRC) of Chloromethanes Plant - Water and Caustic Scrubber for control of NOX, HCl & Cl2.	Complied Water and Caustic Scrubber are provided with Volatile Reduction Chamber (VRC) of Chloromethanes Plant for control of NOX, HCl & Cl2.
	Methanol column DT 111 of Fatty Alcohol Plant - Condenser and Guard	 Not Applicable For Fatty Alcohol, suitable technology is not finalized by our technical/ project team hence we

Sr. No.	EC Conditions		Compliance state	us
	Condenser with cooling water circulation for control of VOC.	and	e not applied for the CTE of also we had deleting this pro oming EC Application.	
	Crude Alcohol Let Down Drum S1301 of Fatty Alcohol Plant - Water Seal and Flame Arrester for control of VOC. Product Alcohol Let Down Drum S1301 of Fatty Alcohol Plant - Water Seal and Flame Arrester for control of VOC.	• For final have and	Applicable Fatty Alcohol, suitable techn ized by our technical/ project not applied for the CTE of also we had deleting this proming EC Application.	t team hence we Fatty Alcohol plant
14	In Chloromethanes Plant, all vents after guard condenser shall be directed to Volatile Reduction Chamber (VRC) Unit, where gases shall be incinerated. Water Scrubber followed by Caustic Scrubber shall be provided for control of emission from VRC.	 In C cond Char insert Water beer Also 	plied hloromethanes plant, all vendenser has been directed to other (VRC) Unit, where gaseted. Er Scrubber followed by Caun provided for control of emiplease note that OCEMS is connected with CPCB Server	Volatile Reduction es have been stic scrubber has ssion from VRC. provided with VRC
15	The APCE shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets. Adequate stack height as per prevailing norms shall be provided for process and flue gas emission.	The attace efficiency CPC We let the service of t	plied Air Pollution Control Equipm ched with different stacks ariently and effectively to achi B / MoEF&CC prescribed nor nave provided adequate stacialling norms for the process Stack Attached to	e operated eve the GPCB/ms. ck height of as per emissions. Stack Height
		1	DG Set (750 KVA – 1	Provided 11 m
		2	No.) Volatile Reduction Chamber (VRC)	35 m
		3	Hydro Chlorinator	35 m
		5	Crude CMS Distillation Heavies CMS Distillation	35 m 35 m
16	Online monitoring system shall be installed on VRC stack to monitor HCl, Cl2 & NOX concentrations and arrangement shall be made to reflect monitored data on server of the company, which can be accessed by GPCB on real time basis.	Com Onlii VRC cond	plied plied ne Monitoring system has be stack to monitor HCl, Cl2 & centration and also it is conn B/CPCB Server.	een installed on NOx
17	The fugitive emission in the work area environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).	Wor mon plan Labo Cons All till limit Wor Ann	k place monitoring reports a exure 9.	e emissions in CMS approved amental in the permissible
18	Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institutes and its records shall be maintained.	 Regulation By General Environment Civiloreco 	plied ular performance evaluation ertaken every year and chec PCB authorized 3rd party Soronment Auditor (M. S. Pate Engineering, CSPIT, CHARU rd is maintained.	ked for adequacy chedule-I I Department of
19	Regular monitoring of ground level concentration of CS2, H2S, SO2, NOX, Cl2, PM10 and PM2.5 shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the	 Com Regulation carrial and If at 	plied ular monitoring of ground letes2, SO2, NOX, CI2, HCl, PM1 ed out through third party in its records are maintained. any stage these levels are forescribed limits, necessary	10 and PM2.5 is in the impact zone found to exceed

Sr. No.	EC Conditions	Complia	ance status
A.1.3 20	standards stipulated by Gujarat Pollution Control Board. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB. HAZARDOUS/ SOLID WASTE: The company shall strictly comply with	frequency of monitor consultation with GPC There are 4 nos. of a stations covering all of (Derol, Sarnar, Argar) Monthly Analysis Rep Environmental Consultations & Research Labs Pvt. Annexure-8.	nonitoring stations and ing are decided in CB. Imbient air quality monitoring directions in nearby villages na & Vilayat). Insort from Kadam litants & Unistar Environment Ltd. are attached as
	the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the		thorization of the GPCB for t / storage / disposal of AWH-98281 & Amendment
	Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time.	for different types of	No. AWH-118058 02/03/2024 parate covered storage area wastes. VIF & TSDF site operated by Infrastructure Ltd.
		No. Booked Quantity TSDF Membership No. Booked Quantity Copy of the members Annexure 4. Also please note that waste selling under F	29/01/2022 160 MT/Year Oth/133 dated 02/03/2022 31000 MT/Year ship certificate is attached as for HCl, DSA and other haz Rule 9 only with GPS AIS 140 ded vehicles through Manifest
21	The Hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	CompliedWe have provided im bottom and leachate	pervious layer with pucca location facility in the waste storage area for storing
22	The unit shall dispose ETP Sludge and Spent Carbon from Chloromethanes and Fatty Alcohol Plants at the nearest common TSDF.		SDF site operated by M/s. structure Ltd. Following is the tails: Oth/133 dated 02/03/2022 31000 MT/Year
23	Exhausted Resin and Spent Catalyst shall be sent back for regeneration or reactivation.	Complied	pent Catalyst are being sent
24	Used oil shall be sold only to the registered recyclers.	CompliedUsed Oil is being sold Rule 9.	to Registered recycler under
25	Discarded Containers / barrels / bags / liners shall be either reused or sold only to the authorized recyclers after decontamination.		s / barrels / bags / liners are zed recyclers under Rule 9.
26	Exhausted Batteries of UPS shall be managed as per the provisions of the Batteries (Management & Handling) Rules, 2001 as amended in 2010	provisions of the Batt Handling) Rules, 200	of UPS handled as per the teries (Management & 1 as amended in 2010.
27	E-waste from Plant Electronic system shall be managed as per the provisions of the E-waste	Complied	

Sr. No.	EC Conditions	Compliance status
	management and handling Rules 2011.	E-waste from Plant Electronic system managed as per the provisions of the E-waste management and handling Rules 2011.
28	Exhausted insulating materials shall be sold to authorized recyclers.	 Complied Exhausted insulating materials are sold to authorized recyclers under Rule 9.
A.1.4	SAFETY:	
30	Provisions of the Manufacture, Storage & Import of Hazardous Chemicals Rules, 1986 & Factories Act, 1948 shall be strictly complied with. A well designated fire hydrant system	 Complied We are following MSHIC Rules, 1989 and Factories Act, 1948. All the chemicals/ materials are stored in the storage tanks with required material of Construction. Sufficient dykes are provided at Tank storages as per chemical handling and storage guidelines. Fire Hydrant system is provided nearby storage and handling area for emergency purpose. Safety trainings are provided to all the operators and workers working in such areas. Hazard Identification and Risk Assessment (JSA) of all activities carried out and SOPs are prepared accordingly. Safety showers are provided nearby storage areas. Complied
30	shall be installed as per the prevailing standards.	 We have installed designated fire hydrant system for the Chloromethanes plant. For Fatty Alcohol, suitable technology is not finalized by our technical/ project team hence we have not applied for the CTE of Fatty Alcohol plant and also we had deleting this product in upcoming EC Application.
31	All the risk mitigation measures, general & specific recommendations mentioned in Chapter 6 of the EIA Report shall be implemented.	Complied All the risk mitigation measures, general & specific recommendations mentioned in Chapter 6 of the EIA Report are implemented.
32	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals, especially chlorine, hydrogen, HCl etc.	 Complied We have developed job safety analysis procedure and trainings have been provided to all employees. Proper controls are provided to mitigate any emergency.
33	Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risks generated out of it. Storage of hazardous chemicals shall be in multiple small capacity tanks/ containers instead of one single large capacity tank for safety purpose.	 Complied Storage of hazardous chemicals is minimized and stored in multiple small capacity tanks / containers instead of one single large capacity tank / containers. All the storage tanks fitted with appropriate controls to avoid any leakages. Bund/ dyke walls are provided, for storage tanks for Hazardous Chemicals.
34	During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm 3water	 Complied For material transfer, we have provided pipelines of required MOC in the plant. We have block the storm water drain connection point in the plant areas.
35	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for Hazardous Chemicals. Close handling system for chemicals shall be provided.	Complied All the storage tanks fitted with appropriate controls to avoid any leakages. Bund/ dyke walls are provided, for storage tanks for Hazardous Chemicals.

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36	Tie up shall be done with nearby health care unit for seeking immediate medical attention in the case of emergency, regular medical check-up of the workers and keeping its record etc.	 Complied OHC with availability of para-medical staff & ambulance is already available round the clock. We have also tied up with M/s. Apex Multispecialty Hospital at Bharuch.
37	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	 Complied We have provided proper job specific PPEs to all the workers and its usage is ensured and supervised regularly.
38	First Aid Box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied We have 60 Nos. of first aid boxes at different locations of our plant containing required antidote for the chemicals used in the plant.
39	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	 Complied Training is imparted to all the workers at regular intervals for safety and health during chemical handling, Emergency Preparedness, etc. We have engaged DuPont Safety for implementation of Work place safety & Process Safety management system and to provide training & Awareness of employees in the site. We have made six different sub committees of Work place safety and Process safety management subcommittees. APEX Committee headed by Unit Head, functional Head and department heads to develop and implement safety management system.
40	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	 Complied Occupational health surveillance of the workers is done and its records are maintained. Six monthly pre-employment and periodical examination for all the workers is being carried out. 100% employees undergo with occupational health surveillance every 6 month/ 12 month depending on exposure. Record is available with Occupational Health Centre. Sample report is attached as Annexure 12.
41	Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.	Complied Handling and charging of the chemicals are in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
42 A.1.5	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules. NOISE:	Complied We are following Central Motor Vehicles Rule - 9 for Hazardous chemical transportation.
43	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	 Complied The overall noise level in and around the plant area is kept well within the prescribed standards by providing noise control measures including acoustic insulation, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels are conforming to the standards prescribed under the Environment (Protection) Act and Rules. Third party ambient noise monitoring is carried out by NABL accredited laboratory. Noise Monitoring Report attached as Annexure 8.
A.1.6	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and	 MINIMIZATION: Complied We have carried out Cleaner Production Assessment studies by Gujarat Cleaner Production

Sr. No.	EC Conditions	Compliance status
	shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Centre (Established by Industries & Mines Department, Government of Gujarat).
45	The company shall undertake following waste minimization measures: a) Metering and control of quantities of active ingredients to minimize waste.	 Complied We have provided flow meters for wastewater generation. We have installed RO system for reducing the effluent. Recycle steam and vapor condensate is used in process & cooling tower. We use super washed salt to reduce chemical consumption in turn to reduce solid waste generation.
	 Reuse of by-products from the process as raw materials substitutes in other process. 	 Complied Use of waste chlorine gas for producing CMS Products. Vapor condensate from flaking plant treated by polishing unit and finally used as DM water.
	 c) Use of automated and enclosed filling to minimize spillages. 	 Complied We are using automated and closed filling to minimize spillages.
	 d) Use of close feed system into batch reactors. 	 Complied We are using close feed system into batch reactors.
	e) Dry cleaning / mopping of floor instead of floor washing.	CompliedFloors are cleaned through mopping.
	 f) Use of high pressure hoses for cleaning to reduce wastewater generation. 	 Complied High pressure hoses are used for cleaning and reduce the wastewater.
	 g) Regular preventive maintenance for avoiding leakage, spillage etc. 	 Complied Regular preventive maintenance has been carried out to avoid leakages, spillages etc.
A.1.7	GREEN BELT AND OTHER PLANTAT	ON:
46	The unit shall develop and maintain green belt within premises as per the CPCB guidelines. In addition to this, the unit shall also take up adequate plantation on road sides and suitable open areas in the GIDC estate, nearby schools, gram panchayat areas and any other open areas in consultation with the GIDC / local bodies / GPCB and submit an action plan of plantation for next three years to the GPCB.	 Complied We have developed greenbelt along with boundary wall & planted different plant species in campus area. Plant species were selected as per the directives of CPCB & DFO.
47	Total 48000 nos. of trees shall be planted within the premises within next five years in addition to the existing 6113 nos. of trees & shrubs.	 Complied Already 40,000 No. of trees have been planted within the premises and in nearby villages.
48	Drip irrigation system shall be used for the green belt development.	 Complied Drip irrigation/ low-volume, low angle sprinklers are used for green belt development. Total 22,000 m2 area is covered under drip irrigation & low angle sprinkler system.
В.	OTHER CONDITIONS:	N + 10 0 11 1
49	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	 Noted & Complied All pollution control systems installed in our plant are directly connected with process safety inter locks from DCS. For ensure, all the safe requirements meet before any start up.

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		We are also following pre-start up safety review before restart of the system.
50	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the Central Pollution Control Board, as may be applicable.	Noted & Complied All the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) has been followed.
51	A separate Environment Management cell equipped with full-fledged laboratory facilities and qualified personnel shall be set up to carry out the Environment Management and Monitoring functions and a separate budget shall be allocated for this purpose.	 Complied A separate Environment Management Cell has been equipped with 2 Environment Officers under One Environment Head. Also there is a separate budget allocated for Environment related activities.
52	The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported.	Complied Separate fund / budget is identified / sanctioned on annual basis for Environmental management.
53	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied We have provided RCC and / acid brick line flooring in the required areas.
54	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.	Complied We have provided pipelines of suitable MOC in the plant which ensures no leakages from the pipes / pumps.
55	The project management shall also comply with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EIA/ EMP report as well as other proposals made by them.	Complied All the environmental protection measures, risk mitigation measures and safeguards recommended in the EIA/ EMP report as well as other proposals are being complied.
56	The company shall undertake socio- economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.	Complied Socio-economic developmental / community welfare activities are being carried out in consultation with the District Development Officer / District Collector.
57	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	 Noted & Complied We have not received any additional condition that may be imposed by the SEAC till date. We ensure that we shall comply with any additional condition that may be imposed by the SEAC or any other competent authority for the purpose of environmental protection.
58	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted We ensure that we shall not carry out any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority

Sr. No.	EC Conditions	Compliance status
59	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied Separate fund / budget is identified / sanctioned on annual basis for Environmental management.
60	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA / SEAC / GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	 Complied We have informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and may also be seen at the website of SEIAA/SEAC/ GPCB. English and Gujarati Newspaper advertisement of the Environment Clearance is as per below and the same is attached as Annexure-5. Name of Paper: Times of India Date of Issue: 06.08.2014 In: English language Name of Paper: Divya Bhaskar Date of Issue: 06.08.2014 In: Gujarati language
Asset Garrier GLU Environment Grate Fath Esta provi the Cont SEA	PUBLIC NOTICE ENVIRONMENTAL CLEARANCE hereby informed that the State Level Environment Impact essment Authority, ParyavaranEnavan, Sector 10 - A, dinnagar - 382 018, Gujant vide its letter Red No. SEUAA/ UEC/5(1/90):2014dated 01/08/2014 has accorded romment Clearance to Mis. Grasim Cellulosic (A unit of an industries tot,) for installation of Ottoromethanes and Alcohol production unit at Plot No. 1, GIDC Industrial to, Vilayat, Dist: Bharuch, Gujarat as per applicable resons of the S.O. 1530, EIA Notification, 2006. Copess of clearance letters are available with Gujarat Pollution roll Board and may also be seen on the website of SEIAA/ COPCB. Mrs. Grasim Industries Ltd. for No.1, GIDC Industrial Estate, Vilayat, Dist: Bharuch, Guajasat	જ્યારે મિલેલ્ડ પર્યાવણ અર્થ છે કે કેટ લેલ્ડ એક્ટરેન્ડ ઇમેડ્ટ એક્ટરેનિ પર્યાવણ લાન કેટ્ટરેને અ સ્વિનિયાન કેટ લેલ્ડ સુંવરન કરે કેચેલ્ડ પર કરાકે SEIAN GLUECS(((સ્ટ્રિક્ટરેન્ડ કરીમ લેવ્ડરેન્ડ માં કેપ માને આવેલ સ્વૃત્તિ) (પ્રાપ્ત એક સામે કેવ્યરેને કેચેલ્ડ) માં પણ મા, માં માં કે કેને, હેવ્યરેન અનેક, ક્રિક્ટરન કેલ્ડ મુશ્કે સામાન ઓર્નિક્ટરન અને કિ. સામેક્ટરન કેવ્યરેન કેવ્યરેન અનેક સ્વૃત્તિ સામાન અર્થ કે. ક્રિક્ટર સ્વૃત્તિન માન કુલ્લા પૂછ્યા કેવ્યરેન માટે સ્વૃત્તિ સામાન અર્થ કે. ક્રિક્ટર સ્વૃત્તિન માન કુલ્લા પૂછ્યા કેવ્યરેન માટે પણ મુશ્કાન સામેક કે ને લેસ્સાર્ટ માં પણ પ્રાપ્ત સામેક કે માર્કેન્સ ક્રમ્માં કેવ્યરેન કેલ્ડ માને સ્વૃત્તિ ક્રમ્માં કેલ્ડરેન સામેક માર્કેન્સ ક્રમ્માં કેવ્યરેન સ્વર્થિત સ્વર્થન ક્રમાન ક્રમાન સુંવર્શન માર્કેન્સ ક્રમાન ક્રમાન સ્વર્થન સુંવરન સ્વર્થન ક્રમાન ક્રમાન સુંવરન સ્વર્થન ક્રમાન ક્રમાન સુંવરના
61	It shall be mandatory for all the project management to submit half yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Complied We are submitting half yearly compliance report to SEIAA in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies regularly.
62	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	 Noted We shall comply with the stipulations made by the Gujarat Pollution Control Board.
63	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	 Noted & Complied The date of financial closure and final approval of the project by the concerned authorities and the date of starting the project are: Date of financial closure: 31st March 2014 Date of final approval of the project by the concerned authorities: 26th June 2013

Sr. No.	EC Conditions	Compliance status
64	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	 Noted We have been complying the conditions issued by the SEIAA. No suspension order issued by the SEIAA till date.
65	The company in a time bound manner shall implement these conditions. The SEIAA reserves the tight to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974. Hazardous waste (Management Handling and Transboundary Movement) Rules 2008 and the public liability Insurance Act, 1991 along with their amendments and rules.	 Complied We are complying Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
66	This environmental clearance is valid for five years from the date of issue.	 Noted The EC is valid for 5 years and we are submitting half yearly compliance report to GPCB RO, MoEF RO and SEIAA on regular basis. We have encased the EC for Chloromethanes project before due date of the EC in the form of CTE. For Fatty Alcohol, suitable technology is not finalized by our technical/ project team hence we have not applied for the CTE of Fatty Alcohol plant.
67	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Not Applicable There is no appeal against this environmental clearance lie with the National Green Tribunal.

Compliance status of Environmental Clearance

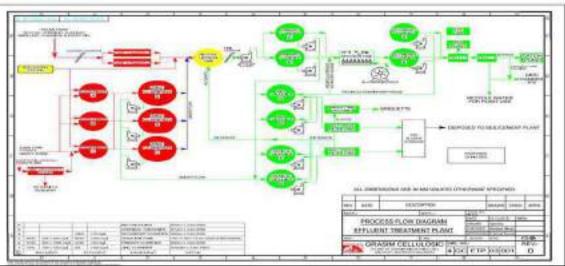
vide Letter No.: SEIAA/GUJ/EC/5(f) & 4(d)/642/2016 dated 29th Oct 2016

Sr. No.		EC Conditions							Compliance Status			
	The proposal is for Environmental Clearance to M/s. Grasim Industries Ltd. for setting up of the proposed expansion of manufacturing of Caustic Soda Lye plant and Synthetic Organic chemical plant located at Plot No. 1, GIDC Industrial Estate, Vilayat, District: Bharuch. It is an existing unit for manufacturing following products, which falls in the category - 5(f) & 4(d) of the schedule of the EIA Notification-2006. Production capacity (MT/ Annum)						ting	 Noted Latitude: 21°46′8″ and 21°47′11″ North Longitude: 72°53′18″ and 72°54′49″ East Copy of Environment Clearance is attached as Annexure-1. 				
			Hoducti	on capacity (M1)		Ailliuilly						
	S. no.			Proposed		Total						
	1	Chlorinated Paraffin wax	36500	33500		7000	0					
	2	Lye		146000		365000						
	3	Chloride		104000		250000						
	4	Chloride Stable	14600	10400		25000						
	5	Bleaching Powder	36500	24500		61000						
	6	Hydrogen	61320000 (Nm3)	40880000 (Nm3)		10220000 0 (Nm3)						
	7	Liquid chlorine/ Sodium Hypochlorite/ Hydrochloric Acid	197100	131400		328500						
	Sr.								roduction qty. (MT)			
	no	Name of Product		April 2022	May 20212		20	ine 212	July 2022	August 2022	September 2022	
	1	Chlorinated Paraffin wax						473	3810	3474	3677	
	3	Caustic Soda Lye Poly Aluminum Chloride		28855 16163	29945 17199			683	29513 15961	28302 13456	28161 14626	
	4	Aluminum Chloride		1600			1584		1643	1640	1567	
	5	Stable Bleaching Powder		2091	1916		2	190	2021	2024	1947	
	6	Hydrogen		1106961	1106961 154		992 127920		1161594	1460060	1835616	
	7	Liquid chlorine/ Sodium Hypochlorite/ HCl		26739	27818		26	161	27427	26286	26149	
A.	COND	ITIONS:										
A.1	SPEC	IFIC CONDITI	ON:									
1	 The Unit shall obtain requisite permission from PESO, Nagpur for storage of Chlorine, Hydrogen etc. before commissioning of the project. Complied We have obtained requisite permission from Petroleum & Explosives Safety Organization (PESO), Nagpur before commissioning of the project. Copy of PESO License are attached as Annexure-2. 										oleum & anization e project. are	
A.2	WATE	:D•							attachieu de	AIIIIEXUI	C-4.	
2		water requireme	ant after pro	nnced eve	ancio	n chall	not	•	Complied			
	i iULai\	water requirefile	יוו מונכו פונ	プレクシピロ ピメカク	אוסול	וומווכ ווכ	HUL	1	Complica			

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	exceed 6500 KL/day for the Synthetic Organic Chemicals and Caustic Lye plant. Unit shall recycle / reuse 400 KL/day of waste water within Synthetic Organic Chemicals and Caustic Lye plants. Hence, fresh water requirement shall not exceed 6100 KL/day. Fresh water shall be met through	16336 KLD, sourced from GIDC water supply for the Synthetic Organic Chemicals and Caustic					
	GIDC water supply only. Prior permission from the	Soda	a Lye	plant.			
	concerned authority shall be obtained for withdrawal of			Water	_ ·	Water	
	water.	Monti	h	Consumpt		ecycle / Reuse	
			Ī	KL/Montl		/Month	
		Apr-22	2	483336		2022	
		May-2		521930		1444	
		June-2	2	492324		1564	
		July-2	2	498513		1908	
		Aug-2	2	465180		1568	
		Sept-2	2	479133		2066	
		Total		2940417		10572	
		Averag	је	490069		1762	
		 We are recycling ~205 KL/D waste water within Synthetic Organic Chemicals and Caus Soda Lye plants. Following are the GIDC offe 			etic austic		
		allot	ment	: letter det	tails:		
		Sr. no. Letter no.			Wat	Efflue	
				tter no.	er sup ply	nt discha rge	
		1	KT/G 5 C	C/PROJ/M GRASIM/57 Pated 6th ecember 2006	15.6 0 MLD	12.48 MLD	
		2	R Da	C/SE/CG/B H/1236 Ited 29th ecember 2016	25 MLD	19.4 MLD	
		3	Da Octo	C/ENG/CE/ 34 ated 9th ober 2017 C/BRH/DE	55- 56 MLD	23	
		4	E (I	ORG)/659		MLD	
				ement lett	er is a	ttached	
		as Anne	xure	e-6.			
3	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	We lithe i	nlet.	installed \ Logbook	is maiı	ntained	
4	Total industrial waste water generation from Synthetic Organic Chemicals and Caustic Lye plant shall not exceed 600 KL/day.	 to record the water consumption Complied Average industrial waste water generation from synthetic organic chemicals and caustic lye plant for April 2022 to Septembe 2022 is 517 KL/Day. 			water		
					ste wa	ter	
		Mon	th		enerati		
					L/Mon		
		Apr-22			37314		
		May-2			38492		
L	I .	. iuy		1	55.52		

Sr. No.	EC Conditions	Compliance Status			
		June-22	40926		
		July-22	42248		
		Aug-22	35608		
		Sept-22	40329		
		Total	234917		
		Average	39153		
5	Unit shall treat the additional effluent in their existing ETP having capacity 35 MLD comprises of primary & secondary treatment plants.	Note: Wate Wastewate our existin AWH-9828 its amendr GPCB/BRC 41279/526 which is understand the ETP Clarifier, to Chambers Clarifiers (2 Tank, Biole Clarifiers (2.0 Nos.) and sludge ETP is ope efficiently	er Consumption and er generation is as per g CCA vide Order No. 31 dated 29/12/2018 & ment vide letter no. 34-B/CCA-70(6)/ID-3734 dtd. 13-11-2019, ander prescribed limit. The effluent is sent to ETP comprising of secondary treatment arial effluent is treated consisting Zinc anks (3.0 Nos.), Grit (3.0 Nos.), Frimary 3.0 Nos.), Equalization origical Reactor, Final 2.0 Nos.) Thickeners Belt Press (2.0 Nos.) are Dryers (6.0 Nos.). For each or golden and to achieve the GPCB norms at the		

Effluent Treatment Plant PFD



Total quantity waste water discharge of the group companies (i.e. Chemical division + Cellulosic division + Epoxy division) shall not exceeds 19.4 MLD at any time.

- Complied
- Total quantity waste water discharge of the group

Sr. No.	EC Conditions	Compliance Status		
	The treated waste water conforming to the GPCB/ CPCB/ MoEF&CC norms shall be discharged into the GIDC underground drain for its final disposal into the deep sea.	companies (i.e. Chemical division + Cellulosic division + Epoxy division) does not exceed 19.4 MLD. • The treated waste water confirming to the GPCB/ CPCB/ MoEF&CC norms are discharged into GIDC underground pipeline for final disposal to deep sea through GIDC. • Treated effluent quality report attached as Annexure 7 .		
7	A Guard/ Polishing Pond shall be provided before discharge of treated effluent into GIDC underground drain. The unit shall provide on line pH meter, TDS meter & TOC meter for online monitoring of the treated effluent.	Complied We have provided 2 Nos. of guard ponds, each of (L: 90m, B: 60m, SWD: 6.5m) equivalent to 50,000 m3 capacity provided, (suitable for storage of 48 hrs) before discharge of treated effluent into GIDC drain. As per CCA condition, we have installed Online pH meter, flow meter & TOC meter are provided for monitoring of the treated effluent.		
8	Additional domestic waste water (40 KL/day) shall be treated in existing STP (Capacity 140 m3/day) and treated sewage shall be used for gardening-plantation within premises.	Complied Additional domestic wastewater is treated in STP and average domestic wastewater generation for April 2022 to September 202 is 211 KL/Day. Month		

Sr. No.	EC Conditions	Compliance Status
		GPCB/BRCH-B/CCA-70(6)/ID- 41279/526734 dtd. 13-11-2019, which is under prescribed limit.
9	During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, treated sewage (40 KL/day) shall be stored in guard pond / polishing pond within premises. This additional treated sewage (40 KL/day) shall not be discharged in any case.	 Complied During monsoon season, the treated sewage is stored in existing guard pond / polishing pond.
10	The unit shall provide adequate effluent treatment plant (ETP) & STP and it shall be operated regularly and efficiently so as to achieve desired norms prescribed by MoEF&CC/ CPCB/ GPCB.	Complied We have provided primary treatment facility (neutralization pit) in our unit and then neutralized effluent is sent to SFD plant ETP comprising of primary & secondary treatment facility. We have installed STP as per following specification: Design Capacity of STP: 1080 m3/day. Design Basis: Flow: 1080 m3/day. BOD: 250-270 mg/l. COD: 400-600 mg/l TSS: 400 mg/l pH: 6 - 9 We are operating our ETP & STP regularly and efficiently so as to achieve desired norms prescribed by MoEF&CC / CPCB / GPCB. Domestic waste water quality report attached as Annexure 8 .
11	A separate electric meter shall be placed for the ETP & STP system. Proper logbook of ETP & evaporator operations also showing chemicals consumed, treated water reused, power consumed etc. shall be maintained and furnished to the GPCB from time to time.	 Complied We have provided metering facility at inlet & outlet of the ETP & STP and maintain the records of the same regularly. Proper logbooks of ETP operations is maintained, also maintaining chemicals consumed, treated water reused, power consumed etc. and submitted in the Monthly Patrak on GPCB XGN.
12	Regular performance evaluation of the ETP & STP shall be undertaken every year to check its adequacy, through credible institutes of National repute and its records shall be maintained.	Complied Regular performance evaluation of ETP & STP is undertaken every year and checked for adequacy by GPCB authorized 3rd party Schedule-I Environment Auditor (M. S. Patel Department of Civil Engineering, CSPIT, CHARUSAT) and its record is maintained. Copy of is attached as Annexure-13.

Sr.	EC Conditions	Compliance Status		
No. 13	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Complied Rainwater is recovered from flat root tops and stored in a rain water		
		7		
14	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.	 Complied We are and will be participating financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC. We have also invested a special amount for a training & development of education program that has been initiated jointly by Paryavaran Vikas Kendra-Rajkot and Paryavaran Mitra Ahmedabad. 		
A.3	AIR:			
15	The excess steam requirement (100 MT/Day) shall be met by generating the same with clean fuel i.e. Hydrogen at the rate of 30000 Nm3 per day in a 10 ton/hour and 10 kg/cm2 capacity of hydrogen boiler.	 Complied We have installed plant such as PAC, Caustic Soda flakes and Calcium Chloride in which 98% of generated hydrogen is being consumed as a clean fuel. Hence we do not have sufficient hydrogen to run the boiler based on that we have removed Hydrogen Boiler from our plant and informed to Boiler inspector. 		
16	Process emission shall be controlled with the air pollution conbelow.			
	Sodium Hypo stack of Caustic Plant - Alkali scrubber for control of Cl2.	 Complied We have provided Alkali scrubber for control of Cl2 in Sodium Hypo Stack. Online monitoring system is also provided and it is connected to CDCR & CDCR convergence. 		
	HCl stack-1 of Caustic Plant - Water scrubber having	CPCB & GPCB server.Complied		
	1 Stack 1 or caccac right water scrubber having			

Sr.	EC Conditions			Con	ınliance	Statu			
No.	bubble cap tray absorption system for control of He HCl stack-2 of Caustic Plant - Water scrubber having		•	Water scrubber having bubble cap tray absorption system for control of HCl in both the stacks. Online monitoring system is also provided and it is connected to CPCB & GPCB server.					
	bubble cap tray absorption system for control of HCl.			 Complied We have provided separate Water scrubber having bubble cap tray absorption system for control of HCl in both the stacks. Online monitoring system is also provided and it is connected to CPCB & GPCB server. 					
	Poly Aluminium Chloride Liquid - Water scrubber system for control of HCl & Cl2.				Complied We have provided water scrubber system for control of HCl & Cl2.				
	Poly Aluminium Chloride Powder - 3 stage Water scrubber system for control of HCl & Cl2. Chlorinated paraffin Plant - Alkali Scrubbing system for control of HCl & Cl2.			Complied We have provided 3 stage water scrubber system for control of HCl & Cl2.					
				Complied We have provided Alkali Scrubbing system for control of HCl & Cl2.					
	Aluminium Chloride - Alkali Scrubbing system for of HCI & CI2.	ontrol of	•	Complied We have provided Alkali Scrubbing system for control of HCl & Cl2. Complied We have provided Alkali Scrubbing system for control of HCl & Cl2.					
	Stable Bleaching Powder - Alkali Scrubbing system control of HCl & Cl2.	for	•						
	Stack Results (Ap								
	Stack	Range	<u> </u>	HCI	CL2	HF	PM		
	Sodium Hypo Stack 1	MIN MAX AVG		-	1.12 1.99 1.52	-	-		
	Sodium Hypo Stack 1	MIN MAX AVG			1.60 1.94 1.79	- - -	-		
	HCl Stack 1	MIN MAX AVG		10.5 12.7 11.6	- - -	-	-		
	HCI Stack 2	MIN MAX AVG		10.6 13.5 12.1	- - -	-	-		
	HCI Stack 3	MIN MAX AVG		10.7 15.2 12.4	-	-			
	HCI Stack 4	MIN MAX AVG		10.1 14.0 11.6		- - -	-		
	PAC Liquid Plant	MIN MAX AVG		1.1 3.2 2.5	0.4 1.0 0.6	-			
	PAC Powder Plant 1	MIN		2.1	0.5	-	-		

Sr. No.	EC Conditions			Con	npliance	Statu	s
		MAX	ı	5.4	0.8	-	-
		AVG		3.3	0.6	-	-
		MIN		1.6	0.5	-	-
	PAC Powder Plant 2	MAX		5.4	0.7	-	-
		AVG		3.7	0.5	-	-
	Chile treated Deceller Discil	MIN		2.2	0.3	-	-
	Chlorinated Paraffin Plant	MAX		6.0	0.8	-	-
			AVG 3.5 0.6 - MIN 1.6 0.5 -				
	Alluminium Chloride MAX		4.4	0.7	_	_	
	7 marimilari cinoride	AVG		2.6	0.6	-	_
		MIN		3.2	0.3	-	-
	Stable Bleaching Powder Plant	MAX		6.1	0.5	-	-
		AVG		4.9	0.4	-	-
		MIN		5.9	-	-	-
	Phospharic Acid Plant	MAX		8.6	-	-	-
		AVG		7.0	-	-	-
		MIN		2.4	-	-	14.0
	Calcium Chloride	MAX		6.0	-	-	19.0
		AVG		3.9	-	-	16.5
		MIN		9.1	-	-	-
	CMS Plant (HCl Scrubber)	MAX		9.1	-	-	-
		AVG		9.1	-	-	-
18	 achieve the norms prescribed by the GPCB/ CPCB/ MoEF&CC at stack outlets. Adequate stack height as per prevailing norms shall be provided for the process emissions. At no time, emission level should go beyond the stipulated standards. The Air Pollution Control Equipment (APCE) attached different stacks are operated efficiently and effectively to achieve the GPCB/ CPCB / MoEF&CC prescribed norms. We have provided adequate stack height as per prevailing norms for the process emission and the results shall be displayed at strategic locations in the premises. Complied We have installed Online monitoring system to monitor gystem to monitor in both the stacks of power prevailing norms. 					hed with ated / to / rms. uate ailing missions.	
19	Adequate air pollution control systems shall be provided as proposed for control of fugitive emission viz. water sprinklers at all coal transfer points and truck unloading points, dust suppression along coal storage locations, paddle type dust conditions for wetting the fly ash during unloading etc. DCS system of power plant. • We are in planning to instal tamer in FY 22-23. • Water sprinklers are provide control the fugitive emission coal storage, coal transfer pand truck unloading area. • We have provided dust suppression along coal storage locations, paddle type dust conditions for wetting the fl during unloading etc. • Fly ash is stored in silo and transferred in close trucks to avoid any dust emission.				vided to sion at er points a. torage ust e fly ash		

Sr. No.

EC Conditions

Compliance Status





Water Sprinkling System at Coal Yard

- The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).
- Complied
- Fugitive emissions in work zone environment & storage area are monitored by third party on monthly basis and are well within GPCB stipulated norms.
- Work place monitoring is summarized as per below table and reports are attached as Annexure-9.

Workplace Results (Apr, 22 to Sept, 22)						
Station	Range	Total Dust	SO2	Nox	HCI	Cl2
Limits		10	5	6	-	9
Units		mg/m3	mg/m3	mg/m3	-	mg/m3
	Min	0.73	0.12	0.21	0.08	0.34
CA Plant	Max	1.2	0.9	1.0	0.4	0.3
	Avg	0.9	0.4	0.5	0.2	0.3
	Min	0.7	0.1	0.2	0.1	0.3
SBP Plant	Max	1.4	0.8	1.2	0.3	0.3
	Avg	0.9	0.4	0.6	0.1	0.3
	Min	0.7	0.2	0.3	0.1	0.3
PAC Powder New	Max	1.3	0.9	0.6	0.4	0.3
	Avg	0.9	0.5	0.4	0.2	0.3
	Min	0.7	0.1	0.3	0.1	0.3
PAC Powder Old	Max	1.6	0.9	1.2	0.4	0.3
	Avg	0.9	0.5	0.6	0.2	0.3
	Min	0.7	0.2	0.3	0.1	0.3
ALCP Plant	Max	1.4	0.7	1.1	0.3	0.3
	Avg	0.9	0.4	0.6	0.2	0.3
	Min	0.7	0.2	0.3	0.1	0.4
Chemical Dosing Area	Max	1.5	0.8	1.1	0.5	0.4
	Avg	0.9	0.5	0.6	0.3	0.4
	Min	0.7	0.2	0.2	0.1	0.3
CPW (Paraffin Storage Area)	Max	1.1	0.8	1.0	0.3	0.3
	Avg	0.8	0.4	0.5	0.2	0.3

Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institutes of national repute, and its records shall be maintained.

- Complied
- Regular performance evaluation of ETP & STP is undertaken every year and checked for adequacy by GPCB authorized 3rd party Schedule-I Environment Auditor (M. S. Patel

Sr. No.		EC Cond	litions		C	Complianc	e Status	
140.					CSPIT recor	Γ, CHARUS, d is mainta	ined. Copy	of is
22	PM2.5, SO impact zor air quality by Gujarat levels are additional The location	onitoring of ground I 2, Cl2, HCl & VOC shall he and its records shall not exce Pollution Control Bo found to exceed the control measures shon of the monitoring shall be decided in	nall be carried out in all be maintained. A ed the standards st ard. If at any stage prescribed limits, n all be provided imm stations and freque	 attached as Annexure-13. Complied Regular monitoring of ground level concentration of CS2, SO2, NOX, CI2, HCI, PM10 and PM2.5 is carried out through third party in the impact zone and its records are maintained. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures will be provided immediately. The location of the monitoring stations and frequency of monitoring are decided in consultation with GPCB. There are 4 nos. of ambient air quality monitoring stations covering all directions in nearby villages (Derol, Sarnar, Argama & Vilayat). Monthly Analysis Report from Kadam Environmental Consultants & Unistar Environment & Research Labs Pvt. Ltd. are attached as Annexure-8 Ambient Air Monitoring Report is summarized as per below table: 				
		are 4 nos. of Ambier						ру
		s. Monthly monitorin	<u> </u>	monthly b	y NABL acc	rediced Lab		A
	Sr. No.	Station Parameters	Range	PM10	PM2.5	SOx	NOx	Aml CI2
		Limits		100	60	80	80	100
		Units		μg/m3	μg/m3	μg/m3	μg/m3	μg/m
			Min	41	10	8	13	2
	1	Nr. ALCP Plant	Max	54	22	10	18	3
			Avg	48	16	9	16	2
			Min	51	8	7	13	2
	2	Nr. PAC Plant	Max	63	20	8	16	3
			Avg	59	15	7	15	2
			Min	43	12	6	15	1
	3	Nr. Main Gate	Max	57	19	10	18	2
			Avg	50	15	7	16	2
			Min	49	9	6	13	0
	4	Nr. Marketing Yard	Max	63	19	11	21	3
23	Avg 58 The air pollution control systems shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB/ CPCB/ MoEF&CC at vent/ stack outlets.				are o effect presc	ir pollution perated eff tively to acl	control systiciently and ineve the need GPCB/ Craft/ stack out	I orms PCB/

Sr. No.	EC Conditions	Compliance Status		
24	Fugitive emissions of VOC's must be regularly monitored. Sensors for detecting VOC's shall be provided at strategic locations. Leak Detection and Repair (LDAR) Programme shall be implemented to control VOC emissions. All the vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	 Not Applicable Volatile Organic Compounds are not used in our plant hence we are not monitoring VOC's. Complied All the vessels used in the manufacturing process are close 		
A.4	SOLID / HAZARDOUS WASTE:	to reduce the fugitive emission.		
26	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB must be obtained for collection / treatment / storage / disposal of hazardous	Complied We have obtained authorization of the GPCB for collection / treatment / storage / disposal of hazardous wastes. Authorization No. AWH-98281 Validity 02/03/2024 We have provided separate		
	wastes.	 We have provided separate covered storage area for different types of wastes. Photograph of the waste storage area as per below: We are member TSDF site operated by M/s. Bharuch Enviro Infrastructure Ltd. Following is the BEIL membership details: 		
		Membership		
		• Copy of the membership certificate is attached as Annexure-4.		
	Waste Storage Area			
27	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	 Complied We have provided impervious layer with pucca bottom and leachate location facility in the separate hazardous waste storage area for storing before disposal. Photograph of sludge storage area: 		

Sr. No.	EC Conditions	Compliance Status			
28	ETP waste, Brine / process Sludge, Spent Resin & Spent carbon from filters will be disposed off at the nearby common TSDF.	Complied We are member of TSDF site operated by M/s. Bharuch Enviro Infrastructure Ltd. Following is the BEIL membership details: Membership Oth/133 dated No. 28/02/2021 Booked Quantity 24300 MT/Year Copy of the membership certificate is attached as Annexure-4.			
29	Discarded barrels / containers / bags / liners shall be either reused or returned back to suppliers or sold only to the authorized vendors after decontamination.	Complied We are disposing Discarded barrels / containers / bags / liners to GPCB approved registered recyclers only.			
30	Used oil shall be sold only to the registered recyclers.	Complied Used Oil is sold to Registered recyclers only.			
31	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.	Complied We are a member of TSDF & CHWIF site operated by M/s. BEIL Infrastructure Ltd. Following is the membership details:			
		CHWIF Membership No. Booked 160 MT/Year			
		Quantity TSDF Oth/133 dated			

Sr. No.	EC Conditions	Compliance Status			
		Membership No.	02/03/2022		
		Booked Quantity	31000 MT/Year		
		 Copy of the membership certificate is attached as Annexure-4. 			
32	Vehicles used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.	Complied We are complying with rules under Motor Vehicle Act, 1988 for transportation of hazardous waste. Photograph of Hazardous Waste disposal Tanker:			



All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/ CHWIF.

- Complied
- We have explored Nano technology such as Sulphate Extraction System to reduce the quantity of sludge generated from Chlor-alkali plant by 30%. Further we have also installed sludge dryer for drying of sludge.

Hazardous Waste Generation & Disposal is summarized as per below table:

Type of waste	Catego ry	Treatment / Disposal
Residue Sludge & Filter Cake		Collection, storage, transportation, disposal at TSDF of BEIL or selling to authorized end-user
ETP Sludge	35.3	Collection, storage, transportation, disposal at TSDF of BEIL or selling to authorized end-user
Used Oil	5.1	Collection, storage, transportation, disposal by selling to registered re-refiners.
Spent Resin	35.2	Collection, storage, transportation, disposal at TSDF of BEIL
Spent Carbon	36.2	Collection, storage, transportation, disposal at TSDF of BEIL
Discarded container / bags /	33.1	Collection storage, transportation, reuse or disposal by selling to

Sr. No.	EC Co	EC Conditions				
	liner		vendors			
	Incinerable Waste	36.1	Collection, storage, transportation, disposal at CHWIF site			
	Fly Ash		Collection, storage, transportation, disposal by selling to brick			

Month / Parameters	Resi Slud Filter	ge &	ETP Sludge		Used Oil		Spent I	Resin
	Gen	Disp	Gen	Disp	Gen	Disp	Gen	Disp
CCA Qty	6066	5 MT	40160 M	Г (35.3)	100 KI	L (5.1)	0.33 MT	(35.2)
Apr-22	1122	1743	1806	2716	0	0	0	0
May-22	1204	878	1976	1796	0	0	0	0
June-22	1556	2065	1646	71	0	0	0	0
Jul-22	1247	1130	1600	1208	0	0	0	0
Aug-22	1112	407	1708	2032	0	0	0	0
Sept-22	817	14	1421	1600	0	0	0	0
Total	7058	623 7	10157	9423	0	0	0	0
Disposed to	To TSD BEIL,		To TSDF M Dah		-		-	

Month /	Spent Carb	on	Discarded C	Containers	Incinerabl	e Waste
Parameters	Gen	Disp	Gen	Disp	Gen	Disp
CCA Qty	0.33 MT (36	5.2)	1705 Nos	i. (33.1)	37 MT (36.1)
Apr-22	0	0	0	0	0	0
May-22	5	0	0	0	0	0
June-22	0	0	0	0	0	0
Jul-22	0	0	0	0	0	0
Aug-22	0	0	3	3	0	0
Sept-22	0	0	1	1	0	0
Total	5	0	4	4	0	0
Disposed to	To TSDF M/s. BEI	L, Dahej	Sold to V	endors	To TSDF M/s.	BEIL, Dah

	Non-hazardous Waste Fly Ash							
Month / Parameters	Generation		Disposal					
CC&A Qty	86400 MT	Bricks / Road Manufacturing	Cement Manufacturing	Reclamation, Road (Project)				
Apr-22	6754	2537	4127	0				
May-22	7725	3374	4225	0				
June-22	3002	626	611	0				
Jul-22	5594	1099	1409	0				
Aug-22	4221	975	977	0				
Sept-22	3779	978	768	0				
Total	31075	9589	12117	0				
Disposed to		100 % Uti	lization achieved					

A.5 SAFETY:

The company shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended.

- Complied
- We are following MSHIC Rules, 1989 and Factories Act, 1948.
- All the chemicals/ materials are stored in the storage tanks with required material of Construction.
- Sufficient dykes are provided at Tank storages as per chemical handling and storage guidelines.
- Fire Hydrant system is provided nearby storage and handling area for emergency purpose.
- Safety trainings are provided to

Sr. No.	EC Conditions	Compliance Status
35	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	all the operators and workers working in such areas. Hazard Identification and Risk Assessment (JSA) of all activities carried out and SOPs are prepared accordingly. Safety showers are provided nearby storage areas. Complied We are complying with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. has been obtained. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities obtained before commissioning of the project. Copy of PLI policy is attached as Annexure-10 .
		Requisite On-site and Off-site Disaster Management Plans prepared and implemented.
36	All the recommendations/ commitments made in the revised EIA report of the project prepared by M/s. Anand Consultants, Ahmedabad and submitted vide letter No. NIL dated 29/06/2016 shall be implemented in letter and spirit.	Complied All the recommendations/ commitments made in the revised EIA report of the project prepared by M/s. Anand Consultants, Ahmedabad have been implemented.

Sr. No.			EC Conditio	ns		Compliance Status	
	Descripition	Type of pollutant / Wastes	Source	Pollution control Arrangement / mitigation	measures	Compliance measure	
		PM, SO2, Nox	Boiler	ESP and low Nox burner are provided to controparticulate matter and Nox respectively Lime stone are be added to reduce SO2 emissions.		We have installed ESP & Low NOx Burner with our boiler stack to control the particulate matter and Nox respectively. We are using lime stone to reduce emission of SO2	
		CL2, HCL	Process	Alkali scrubber and waste scrubber are provide the process gas emission	d to control	We have installed Alkali Scrubber & Water Scrubber to reduce process gas emission	
	Air Envirnoment	HCL , CL2	Fugitive emission from equipment leak valves, flanges, pump seal, compressors, sampling connection, open ended lines	Leak proof technology for valve and pumps Plugss, caps and blinds for open ended lines. Rupture discs and soft seals for pressure valves. Dual mechanical seal with Non – VOC barrier fluid / degassing system. Closed loop sampling syatem Enclosure of seal area double condenser system are provided. The vents of the secondary condenser connected with the		We have installed Leak proof technology for valve and pumps We have provided Plugs, caps and blinds for open ended lines We have provided Rupture discs and soft seals for pressure valves We have provided Dual mechanical seal with Non – VOC barrier fluid / degassing system Closed loop sampling system is provided	
		CO2 and other gases	Fugitive emission from sources such as ope surfaces, ETP, sufaces impoundments, retention ponds.	scrubber. Covering of all open surfaces wherever possible sensors are provided in work place area.	e .	Endosure of seal area double condenser system are provided The vents of the secondary condenser connected with the scrubber All open surfaces are covered Sensors have been provided in work place area.	
	Water Envirnoment	Low pollution potential	Domestic waste water	Domestic effluent is in Sewage Treatment Plan treated wastewater is used for gardening purpor		Domestic effluent is treated in Sewage Treatment Plant (STP) and treated wastewater is used for gardening purposes.	
	Noise Envimoment	Structre - borne noise: the vibration transmitted may activate the building where it mouted without proper installation. Air borne noise due to air turbulence at equipment / structre and etc.	Vechile , Transporation, Water Cooling Towers, Air - cooled chillers, Fans, Ducts, Others plant equipment & machinery .	To reduce the noise generation durning the tra activites the vechile are kept periodically service maintained as per the requirement of latest tre automobile industry. Acoustic mat on the water surface is provided water splashing noise. All the vibrating parts is checked periodically a to reduce the noise generation. Complete enclosure with silencers at condens and at air inlents of the enclosure is fabricated. Green belt is developed around the plant perig act as a curtain / barrier between the plant and rouldings.	reduce the noise generation durning the transposit trends in - Acoustic mat on the water surface have been in reduce the water splashing noise - All the vibrating parts is checked periodically a to reduce the noise generation - Complete enclosure with silencers at condens and at air inlents of the enclosure is fability and a size of the conditions of the reducer is fability and the plant of the proposed around the p		
	Biological Envirnoment	Particulate Emission	Manufacturing process and other ancillary activites	or Green belt is developed maintained (as per EB expert and CPCB guidelines) within the premises / around the premises to control the expected pollutant due to proposed project activity as well as to improve the aesthetic. - Characteristic of plant mainly considered for affecting absorption of pollutant gases and removal of dust particle are as follows.		Green belt is developed & maintained as per EB expert and CPCB guidelines.	
	Land Envirnoment	Gaseous / Paticulate emission	Manufacturing process Transportation	Treated effulent is meeting / conforming the s standards / norms and is used for gardening / pla proposes remnant is disposed in to sea through pipe line. Pollution control devices / measure are install implemented properly to treat air & liquid efful periodical checked / maintained. Solid / hazardo collected, stored in a designated storage area w flooring before its final disposal	antation GIDC Vilayat ed / ent it is us waste is	Treated effulent is meeting / conforming the stipulated standards / norms is disposed in to sea through GIDC Vilayat pipe line and treated domestic wastewater is used for gardening / plantation within premises. Online Air & Water Monitoring System is installed for continuous monitoring. Solid / hazardous waste is being collected, stored in a designated storage area with proper flooring before its final disposal.	
37	All nece	ssary precauti	ionary shall be		• C	omplied	
	All necessary precautionary shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals, especially chlorine, hydrogen, CS2, HCl etc.					le have developed job safety nalysis procedure and trainings ave been provided to all mployees. Proper controls are rovided to mitigate any mergency.	
38		e of flammable e production a		all be sufficiently away	C W vc cl si T	omplied /e have provided tanks and essels to store hazardous nemicals with proper controls uch as Dyke wall, Level ransmitters, safety valves and iterlocks are provided in DCS. hotograph of tank:	

Sr. No.	EC Conditions	Compliance Status
39	Sufficient no. of fire extinguishers shall be provided near the plant and storage area.	CompliedSufficient nos. of Fire extinguishers are provided.
40	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied All necessary precautionary measures have been taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals
41	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied All the toxic/ hazardous chemicals stored in optimum quantity and all necessary permissions in this regard obtained before commencing the expansion activities.
42	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Complied We have identified the environment protection measures & risks and take mitigate measures accordingly.
43	Only flame proof electrical fittings shall be provided in the plant premises.	 Complied Flame proof electrical fittings are provided in the required plant area.
44	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of one single large capacity tank / containers.	Complied Storage of hazardous chemicals is minimized and stored in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
45	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided, for storage tanks for Hazardous Chemicals.	Complied All the storage tanks fitted with appropriate controls to avoid any leakages. Bund/ dyke walls are provided, for storage tanks for Hazardous Chemicals. Photograph of storage tanks:

Sr. No.	EC Conditions	Compliance Status
46	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	 Complied Handling and charging of the chemicals are in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
47	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	 Complied OHC with availability of paramedical staff & ambulance is available round the clock. We have also tied up with M/s. Apex Multispecialty Hospital at Bharuch.
48	Personal Protective Equipment's shall be provided to workers and its usage shall be ensured and supervised.	 Complied We have provided proper job specific PPEs to all the workers and its usage is ensured and supervised regularly.
49	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied We have 58 Nos. of first aid boxes at different locations of our plant containing required antidote for the chemicals used in the plant.
50	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	 Complied Training is imparted to all the workers at regular intervals for safety and health during chemical handling, Emergency Preparedness, etc. We have engaged DuPont Safety for implementation of Work place safety & Process Safety management system and to provide training & Awareness of employees in the site. We have made six different sub committees of Work place safety and Process safety management subcommittees. APEX Committee headed by Unit Head, functional Head and department heads to develop and implement safety

Sr. No.		EC Cor	Com	Compliance Status				
140.			management system. • Please find below training calendar:					
	1000	N	onthly Train	ing Calendar			9808	
	LEARNING		5	-0300-	-8252-		-	
			-achtern.	1000000000	Total Telescope	THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED	Sma	
	Service of the second service of the second	ell violations	The College State of the Colle	wa[5][6][6]		Page Administra mental Page of the	ells:	
	-Attent	75 75 WW.	ANY DESIGNATION OF THE PERSON	9		- Table	(4112)	
	THE STATE OF THE S		The state of the s	To Standing	-10865-	CONTRINOUS		
	Sept. See				The state of the s	The second secon		
52	be undertaken Transportation	as per the Fac	tories Act & Ru	be done as per	records a Six mont periodica workers 100% er occupation every 6 r dependir is available Health Control every 6 r We are f Vehicles chemical	orkers is done and are maintained. The maintained will examination for its being carried comployees undergonal health survey month/ 12 monthing on exposure. It is as Annexure-1 dollowing Central Rule - 9 for Hazatransportation.	nent and r all the put. o with eillance n Record ional eport is 12.	

Sr. EC Conditions	Compliance Status
The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The company will implement all preventive and mitigation measures suggested in the Risk Assessment Report.
Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others are obtained prior to commissioning of the project.
A.6 NOISE:	
The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Complied The overall noise level in and around the plant area is kept well within the prescribed standards by providing noise control measures including acoustic insulation, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels are conforming to the standards prescribed under the Environment (Protection) Act and Rules. Third party ambient noise monitoring is carried out by NABL accredited laboratory. Monthly Analysis Report from Kadam Environmental Consultants are attached as Annexure-8. Noise Monitoring Report is summarized as per below table: Noise Results (Apr, 22 to Sept, 22) Reading dB(A) Station Range Da Nigh y t Nr. Main MIN 51 49 Nr. Main Gate AVG 54 52 Nr. MIN 51 49 Nr. MIN 54 51 ALCP MAX 65 61 Plant AVG 66 62 Nr. CI2 MAX 68 65 Nr. PAC Plant AVG 66 62 Nr. CI2 MAX 63 55 AVG 56 53 MIN 57 49 Nr. CI2 MAX 63 55 AVG 60 56 Nr. COAL MIN 54 49 Nr. COAL MIN 54 65 59 AVG 60 56 Nr. COAL MIN 52 50 Nr. COAL MAX 62 60 Nr. COA

Sr. No.	EC Conditions	Compliance Status					
1101		Fibre Main Gate Fibre	AVG MIN MAX	53 51 66	50 50 59		
		Material Gate	AVG	56	59		
A.7	ENERGY CONSERVATION:						
56	The project proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.	efficion as per Efficion energy Electron energy have mech latest bette	ave instalent device er the Bure ency norn lave instale gy efficien rolyser ele ration typ gy efficien installed hanical equal t technolour efficience	es and eau of ons. led IE: t moto ements e which t elem LED liguipmen gy and	appliar Energy 3 class ors, 5 are of h are n ents. W ghts and	6th nost Ve d all with	
57	The energy audit shall be conducted at regular intervals and the recommendations of the audit report shall be implemented.	 Complied The energy audit is being conducted as per BEE guidelines M&V audit conducted for PAT cycle-2. We are ISO 50001:2011 certified industry. Copy of certificate is attached as Annexure-17. 				T tified	
58	The project proponent shall implement the application of solar energy which shall be utilized as solar lighting for illumination of common areas, lighting of internal roads and passages in addition to utilization of solar water heating system.	CompSolar instal roof		ing ligl Imin B	uilding		
59	The transformers and motors shall have minimum efficiency of 85%.	Note All tra	d & Comp ansformer ency > 98	s are	of highe	er	
60	Variable frequency drives shall be installed.	• Comp	olied os. of Vari rs are inst	able fr			
61	Energy conservation measures shall include use of electronic lighting system, use of CFL tubes to minimize energy use, use of programmable timers for pumping system and lighting, water level controllers for water pumps, centralized cooling etc.	Comp We h			jht fixtu	ıres	
62	Energy saving practices as follows shall be practiced. Constant monitoring of energy consumption and defining targets for energy conservation.	energ meas	ave energ gy monito suring ene	ring sy			
	Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort level.	as pe	olied fixtures h er lux leve lifferent a	l requi			

Sr. No.	EC Conditions	Compliance Status
	Use of solar cells for lighting.	CompliedWe have installed solar cells on admin building terrace.
	Use of solar water heater for canteen & washing area.	We are exploring for the possibilities.
	Proper load factor shall be maintained by the unit.	We are maintaining the load factor.
	Provision of day light roof to utilize maximum natural light in the production plant instead of electrical lighting.	We have provided day light roof such as new work shop, PAC plant etc.
	Use of electronic ballast to save energy.	We have installed LED lights.
	Automatic switching system for lighting & water tank pumping shall be used.	Timers have been installed for switching on/ off plant lighting.
	To the maximum extent possible and technically feasible, energy efficient equipment like motors, pumps, airconditioning systems shall be selected.	We are practicing to use technically feasible, energy efficient equipment like motors, pumps, air-conditioning systems etc.
	Gravity flow shall be preferred wherever possible to save pumping energy.	We have designed our plant accordingly.
	Promoting awareness on energy conservation.	We are conducting training and awareness programs to promote energy conservation.
	Training to the staff on methods of energy conservation and to be vigilant for this.	We are practicing special suggestion scheme for energy conservation/ energy saving and trainings are also conducted at regular intervals.
A.7	CLEANER PRODUCTION AND WASTE MINIMIZATION:	
63	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Complied We have carried out Cleaner Production Assessment studies by Gujarat Cleaner Production Centre (Established by Industries & Mines Department, Government of Gujarat).
64	The company shall undertake following waste minimization n	neasures:
(i)	Metering and control of quantities of active ingredients to minimize waste.	 Complied We have provided flow meters for wastewater generation. We have installed RO system for reducing the effluent. Recycle steam and vapor condensate is used in process & cooling tower. We use super washed salt to reduce chemical consumption in turn to reduce solid waste generation.
(ii)	Reuse of by-products from the process as raw materials substitutes in other process.	 Complied We are using Hydrogen as a clean fuel for producing Caustic Soda flakes & Poly Aluminum Chloride. Use of waste chlorine gas for

Sr. No.	EC Conditions	Compliance Status
		 producing 32% HCl. Vapor condensate from flaking plant treated by polishing unit and finally used as DM water. By-product HCl from CPW Plant is used in PAC plant as raw material.
(iii)	Use of automated and enclosed filling to minimize spillages.	 Complied We are using automated and closed filling to minimize spillages.
(iv)	Use of close feed system into batch reactors.	 Complied We are using close feed system into batch reactors.
(v)	Dry cleaning / mopping of floor instead of floor washing.	CompliedFloors are cleaned through mopping.
(vi)	Use of high pressure hoses for cleaning to reduce wastewater generation.	 Complied High pressure hoses are used for cleaning and reduce the wastewater.
A.8	GREEN BELT AND OTHER PLANTATION:	1
64	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in the GIDC estate, nearby schools, gram panchayat areas and any other open areas in consultation with the GIDC/local bodies/ GPCB and submit an action plan of plantation for next three years to the GPCB.	 Complied We have developed greenbelt along with boundary wall & planted different plant species in campus area. Following are the list of plant species. Plant species were selected as per the directives of CPCB & DFO.
	Existing Plantation Species: Neem (Azadirachta indica), Kasood (Cassia siamea), Pine/Ju Orchid tree (Bauhinia blakeana), Gulmohar (Delonix regia), I Gulmohar (Peltophorum ferrugineum), Bottle brush (Callister auriculiformis), Kadamb (Neolamarckia cadamba), Basant Ra (Eucalyptus), Bougainvillea spectabilis, Lawn Plantation and The Existing Spices for plantation are Selected by following (Rain tree (Samanea saman), Yellow mon sp.), Earleaf Acacia (Acacia ani (Tabebuia rosea), Safeda Shrubbery.

The Existing Spices for plantation are Selected by following CPCB guidelines.

Proposed Plantation Species:

Neem (Azadirachta indica), Kasood (Cassia siamea), Pine/Junglisaru (Casuarina equisetifolia), Orchid tree (Bauhinia blakeana), Saptparni (Alstonia scholaris), Gulmohar (Delonix regia), Rain tree (Samanea saman), Shisham (Dalbergia sissoo), Bel (Aegle marmelos), Arjun tree (Terminalia arjuna), Cassia fistula (Amaltas), Yellow Gulmohar (Peltophorum ferrugineum), Bottle brush (Callistemon sp.), Kadamb (Neolamarckia cadamba), Semal/Kapok (Bombax ceiba), Jamun (Syzygium cumini), Apple blossom tree (Cassia javanica), Sausage tree (Kigelia pinnata), Basant Rani (Tabebuia rosea), Morpankhi (Thuja occidentalis), Safeda (Eucalyptus), Guh babool (Acacia farnesiana), Kaner (Nerium indicum), Champa (Plumeria rubra), Holy basil (Ocimum tenuiflorum), Jarul (Lagerstroemia speciosa), Bougainvillea spectabilis, Lemon (Citrus lemon), Sankuppi (Clerodendrum inerme), Lawn Plantation and Shrubbery etc.

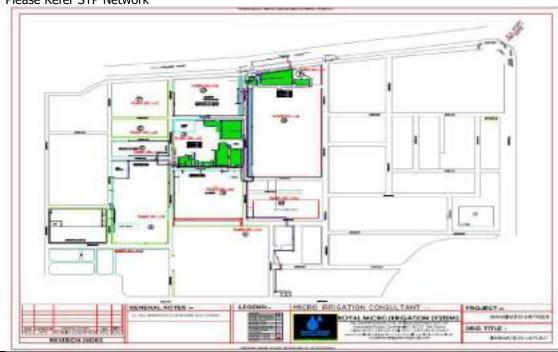
Gaseous emission (SO2 & NOx) tolerant species: Neem (Azadirachta indica), Bel (Aegle marmelos), Kasood (Cassia siamea), Earleaf Acacia (Acacia auriculiformis), Saptparni (Alstonia scholaris), Aldu (Ailanthus excelsa), Siris (Albizia lebbeck), Shisham (Dalbergia sissoo), Pipal (Ficus religiosa), White fig (Ficus infectoria), Maulsari (Mimusops elengi), Kaner (Nerium indicum), Jarul (Lagerstroemia speciosa) etc.

	EC Condition	Complia	Compliance Status		
Sr. No.	Village Name	Total Acre	Number of Tree Plantation	Time Line	
1	Saran-2	2	4000	2020-21	
2 Sarnar -2	2 2	4000	2021-22 2022-23		
3 Vilayat -2		4000			
4	Vorasamni	2	4000	2023-24 2024-25	
5	Derol	2	4000		
	Total	10	20000		

65 shall be used for the green belt development.

- Drip irrigation/ low-volume, low angle sprinklers are used for green belt development.
- Total 22,000 m2 area is covered under drip irrigation & low angle sprinkler system.

Please Refer STP Network



В **OTHER CONDITIONS:**

- In the event of failure of any pollution control system 66 adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- Complied
- All pollution control systems installed in our plant are directly connected with process safety inter locks from DCS.
- For ensure, all the safe requirements meet before any start up.
- We are also following pre-start up safety review before restart of the system.
- 67 All the recommendations / commitments made in the EIA report of the project prepared by M/s. Anand Consultants, Ahmedabad and submitted vide letter no. NIL dated 29/06/2016 shall be implemented in letter and spirit.
- Complied
- Recommendations made in the EIA/ EMP were submitted & implemented.

Sr. No.	EC Conditions	Compliance Status
68	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	 Complied We are complying stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority. CCA Compliance Report is attached as Annexure-14.
69	During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	 Complied For material transfer, we have provided pipelines of required MOC in the plant. We have block the storm water drain connection point in the plant areas.
70	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied We have provided RCC and / acid brick line flooring in the required areas. Photograph of RCC flooring:
71	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.	 Complied We have provided pipelines of suitable MOC in the plant which ensures no leakages from the pipes / pumps.
72	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied All future expansion or modifications in the plant will be carried out after obtaining prior Environment Clearance from the concerned authority.
73	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and other wastes (Management and Transboundary Movement) Rules 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Complied We are complying Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
74	The company shall undertake socio-economic	Complied

Sr. No.	EC Conditions	Compliance Status				
	developmental/ community welfare activities as per the CSR Rules 2014.	 Socio-economic developmental / community welfare activities are being carried out as per CSR Rules 2014. CSR activities is summarized as per below table and the same is attached as Annexure-15 				
75	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	 Complied Separate fund / budget is identified / sanctioned on annual basis for Environmental management. A year wise expenditure on environmental safeguards is also reported. Fund Utilized for Environment Management 				
		Sr . Particulars (in Cr)				
		1 CTE / CCA Application 0.15 2 GPCB sampling & analysis 0.05				
		charges Schedule-I Environment 0.5				
		Audit 4 Monthly Monitoring by Third 0.5				
		party 5 Waste Management 12				
		6 Green Belt Development 0.5				
76	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and may also be seen at the website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	 Complied We have informed the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and may also be seen at the website of SEIAA/SEAC/GPCB. English and Gujarati Newspaper advertisement of the Environment Clearance is as per below and the same is attached as Annexure-5. Name of Paper: Times of India Date of Issue: 06.11.2016 In: English language Name of Paper: Gujarati Samachar Date of Issue: 07.11.2016 In: Gujarati language 				

Sr. No.	EC Conditions	Compliance Status
	अही बन्देन कर कार्य क्रमा तेम्सेस प्रमान हाम	PUBLIC NOTICE In public at large that the State Level Environment Impact aboutly, Paryaneran thrown, Sector 10 - A. Gandhinique-rest visit its letter Ref. Vo. SERANGULECRINI/NAZIONS, 16 has accorded Environmental Discretic to Mis. Graces Chertage Disclared for the programment expression of Symbolic content State Luy paper expressions of Symbolic content State Luy paper expressions of the KANLAREN 2006. Cupwe of the technique interes are available at Postulare Control Board and may also be seen on the AADEAGOPCS. Signature. Mrs. Gracien Industries Ltd., DC Industrial Estate, Wilayat, Dat Bharuch, Gujands.
77	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	 Noted & Complied We have not received any additional condition that may be imposed by the SEAC till date. We ensure that we shall comply with any additional condition that may be imposed by the SEAC or any other competent authority for the purpose of environmental protection.
78	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Noted & Complied We are submitting half yearly compliance report to SEIAA in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies regularly.
79	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted The data submitting herewith are factual and are not false / fabricated.
80	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	 Noted & Complied We are complying all the conditions stipulated by the Gujarat Pollution Control Board.
81	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	 Noted We have been complying the conditions issued by the SEIAA. No suspension order issued by the SEIAA till date.
82	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	 Noted We are implementing conditions stipulated by the board in a time bound manner.
83	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	 Noted & Complied The date of financial closure and final approval of the project by the concerned authorities and the date of starting the project are: Date of financial closure: 31st

Sr. No.	EC Conditions	Compliance Status
		 March 2018 Date of final approval of the project by the concerned authorities: 3rd April 2017
84	This environmental clearance is valid for seven years from the date of issue.	 Noted The EC is valid for 7 years and we are submitting half yearly compliance report to GPCB RO, MoEF RO and SEIAA on regular basis. Before due date of the EC, we have encased the same via CTE and CCA.
85	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	 Complied There is no appeal against this environmental clearance lie with the National Green Tribunal.

Compliance status of Environmental Clearance vide Letter No.: SEIAA/GUJ/EC/1(d)/287/2019 dated 4th Feb 2019

Sr. No.			EC Cor	ditions				Compliance Status
1	Indust existin P.OV manuf	roposal is for En ries Ltd., for ex g premises loca filayat, Ta. Vagr facturing followi	•	Noted Copy of Environment Clearance is attached as Annexure-1 . We have obtained				
	scheal	ule of the EIA N		CTE vide letter No.				
	Sr.	Name of Product/		GPCB/ PCB ID -				
	No	Activity	Existing	Proposed	Total	of product		41279/15743 dated
		71001710				Power		15/02/2020. Copy of
	1	Captive Power	96 MW	45 MW	141 MW	Generation		CTE is attached as
	-	Plant (CPP)	30		- 1- 1 111	for Captive		Annexure-16.
	<u> </u>					use	•	Photographs of
								Power Plant Project
								Construction Work is
								attached as
-	COND	TTTONC -						Annexure-18.
A. A.1		ITIONS : IFIC CONDITI	ON .					
A.1		nall comply the	_	andards me	antioned in	the	•	We shall comply with
2		ation by MoEF&					•	the condition after
	1	mended time to		. 5.0. 5505	(L) dated	07.12.2013		commissioning of the
	and an	nended time to	cirric.					captive power plant
								project.
3	I Init sk	nall comply all ti	ne conditio	ns stinulate	d in Coal H	landling	•	We shall comply with
3		ines published b		is supulate	u III Coai II	landing	•	the Coal Handling
	Guidei	ines published t	by Gi CD.					Guidelines after
								commissioning of the
				captive power plant				
								project.
4	The nr	roject proponen	t must stric	tly adhere	to the sti	nulations	•	We shall comply with
'		by the Gujara					`	the condition after
		nment and/ or a						commissioning of the
	GOVEN	inneric ana, or c	iny outer st	acacory auc				captive power plant
								project.
5	The Na	ational Ambient	Air Quality	Emission S	tandards is	ssued by	•	We shall comply with
		nistry vide G. S						the condition after
		shall be complie		(-)		,		commissioning of the
								captive power plant
								project.
6	Compl	ete Zero Liquid	Discharge	[ZLD] statu	s shall be r	maintained	•	We shall maintain
		time for CPP.	· · · · · · · · · · · · · · · · ·					Complete Zero Liquid
								Discharge [ZLD]
								status after
								commissioning of the
								captive power plant
L							L	project.
7	All me	asures shall be	taken to pr	event soil a	nd ground	water	•	We shall comply with
		mination.	•		-			the condition after
								commissioning of the
								captive power plant
								project.
8	There	shall be no drai	nage conne	ection to dis	scharge wa	ste water	•	We shall comply with
		he premises.	<u> </u>		J	_		the condition after
		•						commissioning of the
								<i>J</i>

Sr. No.	EC Conditions	С	ompliance Status
			captive power plant project.
A.2	WATER:		
9	The fresh water requirement for the proposed expansion shall not exceed 14883 KL/day. Unit shall reuse 11689 KLD [5870 KLD steam condensate from boiler for Boiler make-up, 4518 KLD permeate from RO plant for cooling tower make-up, washing and DM plant, 1301 KLD reject from RO plant for dust suppression to coal handling area (828 KLD), Sprinkling on fly ash (428 KLD) & Road cleaning (45 KLD)] within premises. Hence, fresh water requirement shall not exceed 4495 KLD and it shall be met through GIDC water supply system. Permission from the Concern authority for additional water requirement shall be obtained.	•	Fresh Water requirement for captive power plant shall be met through GIDC Water supply only. We have obtained CTE for captive power plant vide letter No. GPCB/ (PCB ID -41279/15743 dated 15/02/2020.
10	Metering of water shall be done and its records shall be maintained. No ground water shall be trapped in any case for meeting the project requirements.	•	We shall install Meters and shall maintain the record of the same on regular basis. Fresh Water requirement for captive power plant shall be met through GIDC Water supply only
11	Unit shall reuse 5870 KLD of Boiler condensate for Boiler feed water.	•	We shall reuse boiler condensate water after commissioning of the captive power plant project.
12	The industrial effluent generation after proposed expansion in power plant shall not exceed 6505 KL/day.	•	We shall comply with the condition after commissioning of the captive power plant project.
13	Entire quantity of waste water shall be subjected to Primary ETP (Cap. 500 KLD X 2) followed by RO plant.	•	We shall comply with the condition after commissioning of the captive power plant project.
14	RO permeate (5204 KLD) shall be reused for cooling tower make-up (4000 KLD), washing (75 KLD), DM plant (443 KLD) and gardening plantation (686 KLD) within premises.	•	We shall comply with the condition after commissioning of the captive power plant project.
15	RO reject (1301 KLD) shall be reused for dust suppression to coal handling area (828 KLD), Sprinkling on fly ash (428 KLD) & Road cleaning (45 KLD) within premises.	•	We shall comply with the condition after commissioning of the captive power plant project.
16	Complete Zero Liquid Discharge (ZLD) shall be maintained and there shall be no discharge of industrial effluent in any case.	•	We shall maintain Complete Zero Liquid Discharge [ZLD] status after commissioning of the captive power plant project.
17	Domestic wastewater generation shall not exceed 6.4 KL/day for proposed project and it shall be treated in STP. Treated sewage	•	We shall comply with the condition after

Sr. No.			E	C Con	ditions				Compliance Status
		ises after a				n purpose v norms pres			commissioning of the captive power plant project.
18	requii shall	g monsoon red for the be stored w water out	•	We shall comply with the condition after commissioning of the captive power plant project.					
19		shall provide orage of tre	•	We shall comply with the condition after commissioning of the captive power plant project.					
20	the co	init shall prollection curds of the sa		•	We shall install Meters and shall maintain the record of the same on regular basis.				
21	with I	init shall pr RO system ited regular arge (ZLD) ises.	it shall be Liquid	•	We shall comply with the condition after commissioning of the captive power plant project.				
22	The unit shall provide metering facility at the inlet and outlet of the ETP & RO system and maintain records for the same.								We shall install Meters and shall maintain the record of the same on regular basis.
23	qualit maint	er logbooks ies of effluc ained and	ll be	•	We shall comply with the condition after commissioning of the captive power plant project.				
A.3 24					-	steam boiler	and	•	We shall comply with
	Sr. No.	-by DG set Source of emission with capacity	Stack Height (meter)	Name of the fuel	OW: Quality of fuel MT/hr & MT/day	Type of emissions i.e. Air Pollutants	Air pollution Control Measures (APCM)		the condition after commissioning of the captive power plant project.
	1 2	Existing Boiler 1 & 2 (2 x 175 TPH) Boiler 3 & 4 (2 x 175 TPH)	125 125	Coal	100 MT/hr	SPM, SO2, NOX SPM, SO2, NOX	ESP and Low NOx burners ESP and Low NOx burners		
	3	Boiler-5 (175 TPH)	125	Coal	29.16 MT/hr	SPM, SO2, NOX	ESP and Low NOx burners		
25	Unit shall provide adequate APCM with flue gas generation sources as mentioned above:								We shall provide adequate APCM with flue gas generation before commissioning of the captive power plant project.
26		shall be not the propos			ission froi	n existing a	s well as	•	We shall comply with the condition after commissioning of the captive power plant project.

Sr. No.	EC Conditions	C	Compliance Status
27	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.	•	We shall comply with the condition after commissioning of the captive power plant project.
28	A long term study of radio activity and heavy metals contents on coal/ lignite to be used shall be carried out through a reputed institute and results thereof analysed regularly and reported along with monitoring reports thereafter mechanism for an inbuilt continuous monitoring for radio activity and heavy metals in coal/ lignite and fly ash (including bottom ash) shall be put in place.	•	We shall comply with the condition after commissioning of the captive power plant project.
29	Height of flue gas stacks attached to Boilers shall be minimum 125 meters.	•	We shall comply with the condition after commissioning of the captive power plant project.
30	A flue gas stack of 125 m height shall be provided with online monitoring system to existing Steam Boiler. Mercury emissions from stacks shall also be monitored on periodic basis.	•	We shall comply with the condition after commissioning of the captive power plant project.
31	High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment {Protection} Rules, 1986 as amended from time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.	•	We shall comply with the condition after commissioning of the captive power plant project.
32	Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute / organization.	•	We shall comply with the condition after commissioning of the captive power plant project.
33	Lime stone injection technology shall be adopted to control SO2 and it shall be ensured that SO2 levels in the ambient air do not exceed the prescribed standards.	•	We shall comply with the condition after commissioning of the captive power plant project.
34	The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.	•	We shall comply with the condition after commissioning of the captive power plant project.
35	Online monitoring system shall be installed to monitor the SOx, NOx and SPM in the flue gas stack. An arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB on real time basis.	•	We shall install Online monitoring system to monitor the SOx, NOx and SPM in the flue gas stack after commissioning of the captive power plant project.
36	Adequate storage facility for the fly ash in terms of closed silos shall be provided at site. No ash pond shall be constructed.	•	We shall comply with the condition after commissioning of the

Sr. No.	EC Conditions	Compliance Status			
			captive power plant project.		
37	Handling of the fly ash shall be through a closed pneumatic system.	•	We shall comply with the condition after commissioning of the captive power plant project.		
38	Ash shall be handled only in dry state.	•	We shall comply with the condition after commissioning of the captive power plant project.		
39	The unit shall strictly comply with the Fly Ash Notification under the EPA and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.	•	We shall comply with the Fly Ash Notification under the EPA after commissioning of the captive power plant project.		
40	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to lime (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.	•	We shall comply with the condition after commissioning of the captive power plant project.		
(i)	All handling & transport of coal shall be exercised through covered coal conveyors only.				
(ii)	Enclosure shall be provided at Coal loading and unloading operations.				
(iii)	Water shall be sprinkled on Coal stock piles periodically to retain some moisture in top layer and also while compacting to reduce the fugitive emission.				
(iv)	All transfer points shall be fully enclosed.				
(v)	Adequate dust suppression/ extraction system at crusher house as well as for the Coal/ Lignite stock yard and other vulnerable areas shall be provided to abate dust nuisance.				
(vi)	Accumulated coal dust/ fly ash on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.				
(vii)	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.				
(viii)	Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.				
(ix)	Coal/ Lignite shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only.				
(x)	A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.				
41	Regular monitoring of ground level concentration of PM2.5, PM10, NOx, SO2 and Hg shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	•	We shall comply with the condition after commissioning of the captive power plant project.		
A.4	SOLID / HAZARDOUS WASTE: The company shall strictly comply with the rules and regulations	_	We shall comply with		
72	with regards to handling and disposal of Hazardous waste in	•	We shall comply with the condition after		

Sr. No.	EC Conditions	Compliance Status
1101	accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to lime. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.	commissioning of the captive power plant project.
43	Hazardous waste sludge shall be packed and stored in separate designated hazardous waste storage facility with imperious bottom and leachate collection facility, before its disposal.	We shall comply with the condition after commissioning of the captive power plant project.
44	ETP waste & spent resin shall be disposed off to authorized TSDF site.	We shall comply with the condition after commissioning of the captive power plant project.
45	Used oil shall be sold to only to the registered recyclers/rerefiners.	We shall comply with the condition after commissioning of the captive power plant project.
46	Discarded containers / barrels / bags / liners shall be sold only to the authorized registered recycler.	We shall comply with the condition after commissioning of the captive power plant project.
47	For storage of fly ash, closed silos of adequate capacity shall be provided. No ash pond shall be constructed in the project.	We shall comply with the condition after commissioning of the captive power plant project.
48	Fly ash shall be supplied to the manufacturers of fly ash based products such as cement, concrete blocks, bricks, panels, etc. The unit shall strictly comply with the Fly Ash Notification under EPA and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.	We shall comply with the condition after commissioning of the captive power plant project.
49	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	We shall comply with the condition after commissioning of the captive power plant project.
50	Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.	We shall comply with the condition after commissioning of the captive power plant project.
A.5	SAFETY:	
51	The project management shall strictly comply with the provisions made in the Factories Act, 1948 as well as Manufacture, Storage and Impact of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.	We shall comply with the condition after commissioning of the captive power plant project.
52	Necessary precautions like continuous monitoring of hot spots [ignited lignite] using temperature detection systems, water sprinklers, avoiding stacking of lignite near steam pipeline etc. shall be made for storing lignite to prevent fire hazard.	We shall comply with the condition after commissioning of the captive power plant project.
53	All the risk mitigation measures, general & specific recommendations mentioned in Risk Assessment Report shall be implemented.	We shall comply with the condition after commissioning of the captive power plant project.

Sr. No.	EC Conditions	Compliance Status
54	A well designed fire hydrant system shall be installed as per the prevailing standards.	We shall comply with the condition after commissioning of the captive power plant project.
55	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	We shall comply with the condition after commissioning of the captive power plant project.
56	First Aid Box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity at all the times.	We shall comply with the condition after commissioning of the captive power plant project.
57	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the factories act & rules.	We shall comply with the condition after commissioning of the captive power plant project.
58	Flameproof fillings shall be provided in the plant area.	We shall comply with the condition after commissioning of the captive power plant project.
59	Adequate firefighting facilities shall be provided at the proposed power plant.	We shall comply with the condition after commissioning of the captive power plant project.
60	Proper ventilation shall be provided in the work area.	We shall comply with the condition after commissioning of the captive power plant project.
61	All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.	We shall comply with the condition after commissioning of the captive power plant project.
62	The project management shall prepare a detailed Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of Industrial Safety and Health.	We shall comply with the condition after commissioning of the captive power plant project.
A.6	NOISE:	
63	To minimize the noise pollution the following noise control measure	
(i)	Selection of any new plant equipment shall be made with specification of low noise levels.	We shall comply with the condition after
(ii)	Manufacturers/ suppliers of major noise generating machines/ equipments like air compressors, feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible before supply and installation to mitigate the noise generation and to comply with the national/ international regulatory norms with respect to noise generation for individual units.	commissioning of the captive power plant project.
(iii)	Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.	

Sr. No.	EC Conditions	Compliance Status
(iv)	Noise suppression measures such as enclosures, buffers and / or	
(v)	protective measures shall be provided. Employees shall be provided with ear protection measures like earplugs or earmuffs.	
(vi)	Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation.	
(vii)	Construction equipment generating minimum noise and vibration shall be chosen.	
(viii)	Ear plugs and/ muffs shall be made compulsory for the construction workers working near the noise generating activities/ machines/ equipment.	
(ix)	Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate .	
(x)	Construction equipment meeting the norms specified by EP Act, 1986 shall only be used.	
(xi)	Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas.	
(xii)	Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment.	
64	The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration dampers etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules	We shall comply with the condition after commissioning of the captive power plant project.
A.7	GREEN BELT AND OTHER PLANTATION:	
65	The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.	 We shall comply with the condition after commissioning of the captive power plant project.
66	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises	 We shall comply with the condition after commissioning of the captive power plant project.
B	OTHER CONDITIONS:	- Wo shall samply with
67	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/0812018.	 We shall comply with the condition after commissioning of the captive power plant project.
68	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.	 We shall comply with the condition after commissioning of the captive power plant project.
69	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	We shall comply with the condition after commissioning of the captive power plant project.

Sr. No.	EC Conditions	Compliance Status
70	All the recommendations mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by Anand Environmental Consultants Pvt. Ltd. Ahmedabad and commitments made during presentation before SEAC, proposed in the EIA report shall be strictly adhered to in letter and spirit.	We shall comply with the condition after commissioning of the captive power plant project.
71	All the recommendations of CREP guidelines as may be applicable from time to time shall be followed vigorously.	We shall comply with the condition after commissioning of the captive power plant project.
72	A separate environment management cell with qualified staff shall be set up for information of the stipulated environmental safeguards.	We shall comply with the condition after commissioning of the captive power plant project.
73	The project authorities must strictly adhere to the stipulations made by the Gujarat pollution control board (GPCB) state Government and any statutory authority.	We shall comply with the condition after commissioning of the captive power plant project.
74	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	We shall comply with the condition after commissioning of the captive power plant project.
75	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Acl,1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	We shall comply with the condition after commissioning of the captive power plant project.
76	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	We shall comply with the condition after commissioning of the captive power plant project.
77	Unit shall comply provisions of MoEFCC's O.M. No.22-6512017-IA.III dated 01105/2018 regarding Corporate Environment Responsibility (CER). Fund allocation for Corporate Environment Responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein.	We shall comply with the condition after commissioning of the captive power plant project.
78	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	We shall comply with the condition after commissioning of the captive power plant project.
79	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	We shall comply with the condition after commissioning of the captive power plant project.
80	The applicant shall inform the public that the project has been according clearance by the SEIAA and that the copies of the clearance letter and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This is seven days from the date of the clearance letter, in at least two loc widely circulated in the region, one of which shall be in the Gujarat English. A copy each of the same shall be forwarded to the concern Ministry.	are available with the GPCB shall be advertised within tal newspapers that are illianguage and the other in

Sr. No.	EC Conditions	Compliance Status
	 Complied We have informed the public that the project has been accoby the SEIAA and that the copies of the clearance letter are also be seen at the website of SEIAA/ SEAC/ GPCB. English and Gujarati Newspaper advertisement of the Envirobelow and the same is attached as Annexure-5. Name of Paper: Times of India Date of Issue: 09/02/2019 In: English language Name of Paper: Divya Bhaskar Date of Issue: 09/02/2019 	available with GPCB and may
	प्रस्तिक अंपुरी का कार्य प्रश्नाप्यकां कार्य से 3" शेट तेमा केव्वितिकोट तार्यक्र क्रिपेटिट " वर्गायक क्ष्मक, सेक्टर १० के, संग्रीतक कर करण, कुष्टक क्षम केवित क्ष्मक । अध्यक्ष क्षमक से अध्यक्ष क्षमक कर करण, कुष्टक क्षम केवित क्षमक । अध्यक्ष क्षमक । अध्यक्ष क्षमक कर करण क्षमक । अध्यक्ष क्षमक । अध्यक्ष कर १ क्षमक । अध्यक । अध्यक्ष कर १ क्षमक ।	PUBLIC NOTICE Internation of the State Level Environment Impact ParysvarenBhovan, Sector 10 - A. 10. Gujarat vide as letter Ref. ho. 17/2015 dated 04/02/2015 has accorded to to Mis. Grasim industries Ltd. If the proposed expansion of captive fron of new 45 MW Cacetys Power Plant dustrial Estate, Vilayat, Dist Rharuch, the provious of the S.O., 1533, EIA tes of the decreace letters are available Cantrol Board and may also be seen on EAC/GPCB. Sdi- In Industries Ltd. (Chemical Division), Joseph Estate, Vilayat, Dist, Branch, Guijarat
81	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	We shall comply with the condition after commissioning of the captive power plant project.
82	It shall be mandatory for the project management to submit half yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year. Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	 We shall comply with the condition after commissioning of the captive power plant project. We shall comply with the condition after commissioning of the captive power plant
84	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	project. We shall comply with the condition after commissioning of the captive power plant project.
85	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	We shall comply with the condition after commissioning of the captive power plant project.
86	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	We shall comply with the condition after commissioning of the captive power plant project.

Sr. No.	EC Conditions	Compliance Status
87	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	We shall comply with the condition after commissioning of the captive power plant project.
88	This environmental clearance is valid for seven years from the date of issue.	We shall comply with the condition after commissioning of the captive power plant project.
89	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 Days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	We shall comply with the condition after commissioning of the captive power plant project.
90	Submission of any false or misleading information or data which is material to screening or seeping or appraisal or decision on the application makes this environment clearance cancelled.	We shall comply with the condition after commissioning of the captive power plant project.

Compliance status of Environmental Clearance vide Letter No.: SEIAA/GUJ/EC/1(d)&4(d)/764/2021 dated 10th Jun 2021

Sr. No				EC Co	nditions	5			Compliance Status
1	Grasi Chlor No1 Dist: manu categ	m Chem Alkali Pl , GIDC I Bharuch Ifacturin	icals I lant a Indust , Guja g folk d) & 4	Ltd. For end Captive trial Estatement in the Est	expansior ve Power te, Vill: V propose oducts, w	ilayat Tal:	g up of P) at Plot Vagra & ng unit for in the	•	Noted. EC copy is attached as Annexure 1.
		Name	CA S		Quantity	/ (MT/Mon	th)		
	Sr. no	of Produ ct	no. / CI no.	Existin g	Propos ed	Total	End-use of product		
	1	Caustic Soda Lye	13 10- 73- 2	30416. 67	12166. 67	42583.3 3	Manufacture of pulp and paper, alumina, soap and detergents, petroleum products and chemical production. Other application include water treatment, food, textile, metal processing, minning, glass making and others.		
	2	Hydrog en	13 33- 74- 0	851666 6.67 (Nm³)	340666 6.67 (Nm³)	1192333 3.33 (Nm³)	Industrial application such as refining, treating metals and food processing. It is also used as alternate fuel in industries.		
	3	Liquid Chlorin e/ Sodiu m Hypoc hlorite/ Hydroc hloric Acid	77 82- 50- 5	27375	20865. 83	48240.8 3	It is disinfectant. It is used to treat drinking water and swimming pool water. It is also used to make hundreds of consumer products from paper to paints,		

Sr. No				EC Co	nditions	5		Compliance Status
							and from textiles to insecticides. About 20% of chlorine	
							produced is used to make PVC. It can be used Vinyls, Chlorometh	
							anes, CPW, Organics Chemicals It finds	
	4	Alumin ium Chlorid e	77 46- 70- 0	2083.3	416.67	2500	application in the chemical industry as a catalyst for Friedel Crafts reactions, both acylations and alkylations. It can be used in Agrochemic als, Pigments and Dyes, Pharma, Coating	
	5	Sodiu m Sulpha te	77 57- 82- 6	0	222.67	222.67	Industries. Sodium sulfate us used to dry organic liquids. As a filter in powered home laundry detergents.	
	6	Captiv e Power		141 MW	35 MW	176 MW	Power Generation	
	The project activity is covered in 1(d) & 4(d) and is of 'B' category. Since the proposed project is located in notified industrial area, public consultation is not required as per paragraph 7(ii) of the Environment Assessment notification-2006. The SEAC, Gujarat vide their letter dated 03/05/2021 has							
	Environment based was d	onment d on its r considere	Cleara neetii ed by	ne SEIAA ance for t ng held o SEIAA, G dhinagar				
	the S above dated the fo	EIAA he e project I 14th Se ollowing	reby a unde eptem condi	accords E er the pro ber, 200	nvironme visions o	ental Clea f EIA Not	rance to	
A A.1		DITION CIFIC C		TION:				

Sr. No	EC Conditions		Compliance Status
2	All the issues raised in the earlier public hearing dated 21.08.2018 shall be comprehensively addressed/ complied with in a time bound manner.	•	Complied All the issues raised in the earlier public hearing dated 21.08.2018 are comprehensively addressed/complied with in a time bound manner.
3	Total Sulphur content of fuel use in CPP shall not exceed 0.8% at any point of time.	•	We shall comply with the condition after commissioning of the CPP.
4	Transportation route for vehicles carrying Fly Ash and Coal shall have least minimum pass near human habitation.	•	We shall comply with the condition after commissioning of the CPP.
5	Unit shall comply Coal handling Guidelines published by GPCB.	•	We shall comply with the condition after commissioning of the CPP.
6	Project proponent (PP) shall maintain Complete Zero Liquid Discharge [ZLD] status all the time and there shall be no drainage connection from the premises and wastewater discharge outside premises by any means for CPP all the time.	•	We shall comply with the condition after commissioning of the CPP.
7	Unit shall install CEMS [Continuous Emission Monitoring System] in line to CPCB directions to all SPCB vide letter no. B-9016/04/06PCI-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/ emission from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/ CPCB on real time basis. [For Small/ Large/ Medium (Red Category) & Whichever (Air emission & Effluent discharge) is applicable].	•	For existing scenario, Unit has already installed CEMS in line to CPCB directions to all SPCB vide letter no. B-9016/04/06PCI-1/5401 dated 05/02/2014 for effluent discharge and air emission as per pollutants discharge/emission from respective project and an arrangement is also done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB/ CPCB on real time basis. And same will be complied before commissioning of proposed project
8	PP shall pursue health check-ups of the workers on regular basis and shall provide adequate personal protective equipments.	•	We are carrying out check- ups of the workers on regular basis and providing adequate personal protective equipments & same shall be complied after commissioning of proposed project
9	Unit shall comply the emission standards mentioned in the notification by MoEF&CC vide no. S.O. 3305 (E) dated 07/12/2015 and amended time to time.	•	Unit shall comply the condition after commissioning of proposed project
10	Transportation route for vehicles carrying Fly Ash and Coal shall have least minimum pass near human habitation.	•	Transportation route for vehicles carrying Fly Ash and Coal will have least minimum pass near human habitation.
11	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.	•	Unit shall comply the condition after commissioning of project

Sr. No	EC Conditions		Compliance Status
12	A long term study or radio activity and heavy metals contents on coal/ lignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal/ lignite and fly ash (Including bottom ash) shall be put in place.	•	Unit shall comply the condition after commissioning of project
13	A flue gas stack of 125 m height shall be provided with online monitoring system to proposed Steam Boiler. Mercury emissions from stacks shall also be monitored on periodic basis.	•	Unit shall comply the condition after commissioning of project
14	High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standards prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.	•	Unit shall comply the condition after commissioning of project
15	Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute/ organization.	•	Unit shall comply the condition after commissioning of project
16	Lime stone injection technology shall be adopted to control SO2 and it shall be ensured that SO2 levels in the ambient air do not exceed the prescribed standards.	•	Unit shall comply with the condition after commissioning of project
17	The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.	•	Unit shall comply with the condition after commissioning of project
18	The PP shall develop green belt within premises and nearby villages (154057.21 Sq. m i.e. 33% of the total plot area) as committed before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB. Safety & Health	•	Unit shall comply with the condition after commissioning of project
19	PP shall provide Occupational Health Center (OHC) as per the under the Gujarat Factories Rule 68-I.	•	OHC is equipped with fully fledged OHC & same shall be complied after commissioning of proposed project
20	PP shall obtain fire safety certificate/ Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules/ Gujarat Fire Prevention and Life Safety Measures Act, 2016.	•	Unit shall comply with the condition after commissioning of proposed project
21	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in manufacturing area in case of any emergency or accident.	•	Unit is carrying out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in manufacturing area in case of any emergency or accident & same shall be complied after

Sr. No	EC Conditions		Compliance Status
•			commissioning of proposed project.
22	PP shall install adequate fire hydrant system within premises and separate storage of water for the same shall be ensured by PP.	•	We have already installed adequate fire hydrant system within premises and separate storage of water for existing scenario & same shall be complied after commissioning of proposed project.
23	PP shall take all the necessary steps for human safety within premises to ensured that not any harm is caused to any worker/ employee or labour within premises.	•	We have taken all the necessary steps for human safety within premises to ensured that not any harm is caused to any worker/ employee or labour within premises & same shall be complied after commissioning of proposed project.
24	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.	•	Flame proof electrical fittings are provided in the plant premises & same shall be complied after commissioning of proposed project.
A.2	WATER:	•	•
25	Total water requirement for the project shall not exceed 24,768 KLD. Unit shall reuse 13,488 KLD of treated industrial effluent within premises, Hence. Fresh water requirement shall not exceed 11,280 KLD and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.	•	Unit shall comply with the condition after commissioning of proposed project
26	The industrial effluent generation from the project shall not exceed 8,313 KLD.	•	Unit shall comply with the condition after commissioning of proposed project
27	8,313 KLD. Total industrial effluent shall be treated in ETP consists of primary, secondary & tertiary treatment units. Out of 8313 KLD, Treated effluent, 600 KLD shall be disposed into deep sea, 7713 KDL shall be treated in RO Plants.	•	Unit shall comply with the condition after commissioning of proposed project
28	5566 KLD. RO reject shall be used within premises and 686 KLD, RO permeate shall be reused for gardening/plantation.	•	Unit shall comply with the condition after commissioning of proposed project
29	1301 KLD, RO reject shall be used in coal yard, dust/ ash suppression and road cleaning and 140 KLD, RO reject shall be treated in MEE followed by ATFD. 112 KLD, MEE condensate shall be reused within premises.	•	Unit shall comply with the condition after commissioning of proposed project
30	Domestic wastewater generation shall not exceed 129.40 KL/day for proposed project and it shall be treated in STP. It shall not be disposed of into soak pit. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.	•	Unit shall comply with the condition after commissioning of proposed project
31	During monsoon season when treated sewage may not be required for the plantation/ Gardening/ Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.	•	Unit shall comply with the condition after commissioning of proposed project

Sr. No				EC (Conditio	ons		Compliance Status
32		acity for	rovide bi storage		•	Unit shall comply with the condition after commissioning of proposed project		
33						cility at the inlet of ETP, ecords for the same.	•	Unit shall comply with the condition after commissioning of proposed project
34	trea mair to ti	sumptio ted efflontained me.	n in efflu uent; po	uent tr wer co	eatment onsumpt	P and RO; chemical c; quantity & quality of ion etc. shall be to the GPCB from time	•	Unit shall comply with the condition after commissioning of proposed project
A.3	AIR			16.1				150
35	belo		ot excee	a ruei	consum	ption for boilers, Flaker Pl	ant a	and DG set as mentioned
	S r. n o .	Stack / Vent attac hed to	Type & Quant ity of Fuel	Hei ght of the Sta ck/ Ven t	Expec ted Emiss ion	Air Pollution Control Measures	•	Unit shall comply with the condition after commissioning of proposed project
			EXI		Flue Gas	Emission		
	1	Boiler 1 & 2	Coal [100	125	PM SO2 NO2	ESP and Low NOx Burners		
	2	Boiler 3 & 4	MT/hr]	125	PM SO2 NO2	ESP and Low NOx Burners		
	3	Boiler -5 (175 TPH)	Coal [29.16 MT/hr]	125	PM SO2 NO2	ESP and Low NOx Burners		
	4	D.G. Sets (1875 KVA x 2)	HSD [400 lit/hr. each]	36	PM SO2 NO2			
	5	D.G. Sets (750 KVA x 3)	HSD[2 00 lit/hr. each]	11	PM SO2 NO2	NA		
	6	D.G. Sets (1875 KVA x 2)	HSD[4 00 lit/hr. each]	31	PM SO2 NO2			
	PROPOSED Flue Gas Emission							
	1	Boiler -6 (250 TPH)	Coal [42 MT/hr]	125	PM SO2 NO2	ESP and Low NOx Burners		
	2	D.G. Sets (1875 KVA x 1)	HSD (400 lit/hr. each]	36	PM SO2 NO2	NA		
	3	Flaker Plant	Hydrog en [447.1 kg/hr.]	40	PM SO2 NO2	NA		

Sr. No			EC Con		Compliance Status			
36		shall provide ade ses as mentioned			Unit shall comply with the condition after commissioning of proposed project			
37	Unit		•	ion so	urces as mentioned below:			
	<u> </u>	Sodium Hypo	NG Proce		Unit shall comply with the			
	1	Stack 1 (Caustic Plant)	tack 1 (Caustic 35 Cl ₂ Plant)		Cl2	Alkali Scrubber		condition after commissioning of proposed project
	2	HCI stack 1 (Caustic Plant)		35	HCI	Water scrubber having bubble cap tray		
	3	HCI stack 2		35	TICI	absorption system.		
	4	Poly Aluminium Chloride Plant		35	HCI Cl ₂	Water scrubber system		
	5	Chlorinated Paraffin plant		35	HCI Cl ₂	Alkali scrubbing system		
	6	Aluminium Chloride		35	HCI Cl ₂	Alkali scrubbing system		
	7	Stable Bleaching Powder		35	HCI Cl ₂	Alkali scrubbing system		
	8	Sodium Hypo stack 2 (Caustic Plant)		35	Cl2	Alkali Scrubber		
	9	HCI stack 3 (Caustic Plant)		35		Water scrubber having bubble		
	10	HCI stack 4 (Caustic Plant)		35	HCI	cap tray absorption system.		
	11	Poly Aluminium Chloride Liquid		35	HCI	Water scrubber system		
	12	Poly Aluminium Chloride Powder		35	Cl2	3 stage water scrubber system		
	13	Chlorinated Paraffin plant		35	HCI Cl ₂	Alkali scrubbing system		
	14	Aluminium Chloride		35	HCI Cl ₂	Alkali scrubbing system		
	15	Stable Bleaching Powder		Alkali scrubbing system				
				osed				
38		ugitive emission	in the v					Unit shall comply with the
	presc (e.g. indica	onitored. The en ribed by the con Directors of Industrive guidelines s ve emission.	cerned a	authorit afety &	ies froi Health	n time to time). Following		condition after commissioning of proposed project
39	Inter	nal roads shall be ce the fugitive er				•		
40	Air bo	orne dust shall be ons in the plant.	e contro					
41	A gre	en belt shall be dary and also aldernission.	develop					
42	Regu	lar monitoring of be carried out in						Unit shall comply with the condition after commissioning of proposed project
43	Regu PM2.	lar monitoring of 5, SO2, NOx, Cl2 3. If at any stage	and VC	Cs shal	ll be ca	rried out in the	•	of proposed project Unit shall comply with the condition after commissioning of proposed project

Sr. No				EC Co	Compliance Status				
A.4	shall and f consu	be taker requencultation v	nits, nec n immed y of moi with the ZARDOI	iately. nitoring GPCB. JS W					
44	All th	e hazaro		ste ma		ent shal Quantity		ken care a	mentioned below:Unit shall comply with the
	Sr. no.	Type/ Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Product Rules.		Proposed		Management of HW	condition after commissioning of proposed project
	1	ETP Sludge	ETP	35.3	1524 .50 MT	2557 MT	408 1.5 MT	Will be collected stored, transport ed & Disposed at authorize d TSDF site.	
	2	Spent Resin	From Chlor Alkali Plant	35.2	0.42 MT	0.33 MT	0.75 MT	Will be collected stored, transport ed & Disposed at designate d CHWIF site.	
	3	Spent Carbo n	From Chlor Alkali Plant	36.2	0.33 MT	0.07 MT	0.40 MT	Will be collected stored, transport ed & Disposed at designate d CHWIF site.	
	4	Used Oil	From lubrica tion or D.G. set	5.1	128 KL	100 KL	228 KL	Will be collected, stored and sold to authorize d recycler.	
	5	Discar ded Contai ners	From Manuf acturin g	33.1	1680 Nos.	318 Nos.	199 8 Nos.	Will be collected deconta mination, stored and	
	6	Discar ded bags/ Liners	From Manuf acturin g	33.1	41.8 MT	54.2 MT	96 MT	reused/s old to authorize d recycler.	

Sr. No				EC Co	Compliance Status				
•	7	Dilute Sulphu ric Acid (75%- 88%)	From Chlor Alkali Plant	B-15	0 MT	11.500 MT	11.5 00 MT	Collection , storage, transport ation and will be sold to Authorize d actual users having Rule-9 permissio n	
			N	on-haza	ardous	waste	•		
	8	Brine/ Proces s Sludge			6066 MT	2934 MT	900 0 MT	Will be collected stored, transport ed & disposed off to secured landfill site.	
	9	Fly Ash			1116 00 MT	27702 MT	139 302 MT	Sold fly ash to M/s. Anmol & Co., J.K Lakshmi Cement, Ambuja Cement	
45			nd-users					n the	Noted.
	and C	Other Wa	ithorities astes(Ma Iules 201	anagen				azardous lary	
46	meth dispo	ods like sal of in	co-proc	essing e & fill	of haz able w	ardous v	vaste 1	nt friendly for ending to	Noted.
47	regula hazar Other Move time.	ations wordous was r Wastes r Wastes ment) R Authoris ction/ tre	y shall st with rega aste in a s (Manag Rules 201 zation of eatment,	rds to ccorda gement 16, as I f the G	handlir nce wi t and T may be PCB sh	ng and d th the H ransbou amend nall be o	lisposa azardo indary ed fro btaine	al of ous and m time to d for	Noted.
48	Hazar separ imper	Hazardous waste sludge shall be packed and stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.							Unit shall comply with the condition after commissioning of proposed project
49	Adequate storage facility for the fly ash in terms of closed silos shall be provided at site. No ash pond shall be constructed. Handling of the fly ash shall be through a closed pneumatic system. Ash shall be handled only in dry state.							Unit shall comply with the condition after commissioning of proposed project	
50	ash b bricks Fly As there the u	pased pros, panels sh Notifier is 100% nit.	cation u	uch as ne unit nder E	cemer shall s PA and	nt, concr strictly co d it shall	ete bloomply be en		Unit shall comply with the condition after commissioning of proposed project
A.5	ОТН	ER:							

Sr. No	EC Conditions	Compliance Status
51	The project proponent shall allocate the separate fund of Rs. 2.18 Crore as committed before SEAC. The entire activities proposed under CER shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Unit shall comply with the condition after commissioning of proposed project
52	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by Anand Environmental Consultants Pvt. Ltd. Ahmedabad and submitted by project proponent commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Unit shall comply with the condition after commissioning of proposed project
53	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016. the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.	Unit shall comply with the condition after commissioning of proposed project
54	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted unit the desired efficiency of the control equipment has been achieved.	Noted
55	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Noted
56	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environmental Clearance from the concerned authority.	No further expansion or modifications in the plant likely to cause environmental impacts will be carried out without obtaining prior Environmental Clearance from the concerned authority.
57	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986. Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted
58	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	Unit shall comply with the condition after commissioning of proposed project
B.	GENERAL CONDITIONS:	
B.1 59	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Unit shall comply with the condition before commissioning of proposed project
60	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Unit shall comply with the condition before commissioning of proposed project

Sr. No	EC Conditions		Compliance Status
61	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	•	Unit shall comply with the condition before commissioning of proposed project
62	First Aid Box shall be made readily available in adequate quantity at all the times.	•	Unit shall comply with the condition before commissioning of proposed project
63	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	•	Unit shall comply with the condition before commissioning of proposed project
64	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	•	Unit shall comply with the condition before commissioning of proposed project
65	Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	•	Unit shall comply with the condition before commissioning of proposed project
66	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	•	Unit shall comply with the condition before commissioning of proposed project
67	All topsoil excavated during construction activity shall be used in horticultural/ landscape development within the project site.	•	Unit shall comply with the condition before commissioning of proposed project
68	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	•	Unit shall comply with the condition before commissioning of proposed project
69	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC] and lead free paints in the project.	•	Unit shall comply with the condition before commissioning of proposed project
70	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	•	Unit shall comply with the condition before commissioning of proposed project
71	"Wind - breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.	•	Unit shall comply with the condition before commissioning of proposed project
72	"No uncovered vehicles carrying construction material and waste shall be permitted."	•	Unit shall comply with the condition before commissioning of proposed project
73	"No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered, Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."	•	Unit shall comply with the condition before commissioning of proposed project

Sr. No	EC Conditions	Compliance Status	
74	Roads leading to or at construction site must be paved and blacktopped (i.e. – metallic roads).	•	Unit shall comply with the condition before commissioning of proposed project
75	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	•	Unit shall comply with the condition before commissioning of proposed project
76	Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.	•	Unit shall comply with the condition before commissioning of proposed project
77	Grinding and cutting of building materials in open area shall be prohibited.	•	Unit shall comply with the condition before commissioning of proposed project
78	Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	•	Unit shall comply with the condition before commissioning of proposed project
79	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).	•	Unit shall comply with the condition before commissioning of proposed project
B.2	OPERATION PHASE:		
B.2 .1	WATER:		
80	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	•	Unit shall comply with the condition after commissioning of proposed project
81	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	•	Unit shall comply with the condition after commissioning of proposed project
B.2 .2	AIR:		
82	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	•	Unit shall comply with the condition after commissioning of proposed project
83	Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the FPA Rules for air and noise emission standards.	•	Unit shall comply with the condition after commissioning of proposed project
84	Stack/ Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/ Process gas emission.	No	ted
85	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/ CPCB/ MoEF&CC. At no time, emission level should go beyond the stipulated standards.	•	Unit shall comply with the condition after commissioning of proposed project
86	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	•	Unit shall comply with the condition after commissioning of proposed project

Sr. No	EC Conditions	Compliance Status
B.2 .3	HAZARDOUS/ SOLID WASTE:	
87	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/ treatment/ storage/ disposal of hazardous wastes.	Unit shall comply with the condition after commissioning of proposed project
88	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Unit shall comply with the condition after commissioning of proposed project
89	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Unit shall comply with the condition after commissioning of proposed project
90	Trucks/ Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.	Unit shall comply with the condition after commissioning of proposed project
91	The design of the Trucks/ tankers shall be such that there is no spillage during transportation	Unit shall comply with the condition after commissioning of proposed project
92	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/ CHWIF.	Noted.
93	Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.	Unit shall comply with the condition after commissioning of proposed project
B.2 .4	SAFETY:	
94	The occupier/ manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963	Noted
95	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	Unit shall comply with the condition before commissioning of proposed project
96	Main entry and exit shall be separate and clearly marked in the facility .	Noted.
97	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Noted.
98	Storage of flammable chemicals shall be sufficiently away from the production area.	Noted.
99	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Noted.
100	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of	Noted.
101	toxic / hazardous chemicals. All the toxic/ hazardous chemicals shall be stored in	Unit shall comply with the

Sr. No	EC Conditions	Compliance Status
•	regard shall be obtained before commencing the expansion activities.	commissioning of proposed project
102	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Noted
103	Only flame proof electrical fittings shall be provided in the plant premises.	Unit shall comply with the condition before commissioning of proposed project
104	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of one single large capacity tank/ containers.	Unit shall comply with the condition before commissioning of proposed project
105	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Unit shall comply with the condition before commissioning of proposed project
106	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Unit shall comply with the condition after commissioning of proposed project
107	Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	Noted
108	Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Noted
109	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Noted
110	Training shall be imparted to all the workers on safety and health aspects of chemicals handling. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers	Noted Noted
112	shall be undertaken as per the Factories Act & Rules. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Noted
113	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Unit shall comply with the condition after commissioning of proposed project
114	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Unit shall comply with the condition before commissioning of proposed project
B.2 .5	NOISE:	
115	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Unit shall comply with the condition after commissioning of proposed project
B.2 .6	CLEANER PRODUCTION AND WASTE MINIMISATION	l:
116	The unit shall undertake the Cleaner Production Assessment study through a reputed institute/ organization and shall form a CP team in the company.	Unit shall comply with the condition after commissioning of proposed project

Sr. No	EC Conditions	Compliance Status
•	The recommendations thereof along with the compliance	P
	shall be furnished to the GPCB.	
117	The company shall undertake various waste minimization	Unit shall comply with the
118	measures such as : Metering and control of quantities of active ingredients to	condition after commissioning of proposed project
	minimize waste.	j
119	Reuse of by-products from the process as raw materials	
120	or as raw materials substitutes. Use of automated and close filling to minimize spillages.	
121	Use of close feed system into batch reactors.	
122	Venting equipment through vapour recovery system.	
123	Use of high pressure hoses for cleaning to reduce wastewater generation.	
124	Recycling of washes to subsequent batches.	
125	Recycling of steam condensate.	
126	Sweeping/ mopping of floor instead of floor washing to avoid effluent generation.	
127	Regular preventive maintenance for avoiding leakage,	
D 2	spillage etc.	
B.2 .7	GREEN BELT AND OTHER PLANTATION:	
128	The unit shall develop green belt within premises as per	Unit shall comply with the
	the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up	condition after commissioning of proposed project
	adequate plantation on road sides and suitable open areas	h character is
	in GIDC estate or any other open areas in consultation	
	with the GIDC/ GPCB and submit an action plan of plantation for next three years to the GPCB.	
129	Drip irrigation/ low-volume, low-angle sprinkler system	Unit shall comply with the
	shall be used for the green belt development within the premises.	condition after commissioning of proposed project
B.3	OTHER CONDITION:	ог ргорозеа ргојесс
130	Unit shall comply all the applicable standard conditions	Noted
	prescribed in Office Memorandum (OM) published by MOEF&CC vide no. F. No. 22-34/2018-IA,III dated	
	09/08/2018 for Pharmaceutical and Chemical industries	
121	mentioned at (Sr. no. XX).	
131	The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance	Unit shall comply with the condition after commissioning
	to the MoEFCC's Office Memorandum No. F.No.22-	of proposed project
	65/2017-IA.II dated 01/05/2018 to carry out the activities	
	under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the	
	monitoring report shall be submitted to the regional office	
	of MoEFCC as a part of half-yearly compliance report and	
	to district collector. The monitoring report shall be posted on the website of the project proponent.	
132	Rain water harvesting of surface as well as rooftop runoff	Unit shall comply with the
	shall be undertaken and the same water shall be used for	condition after commissioning
	the various activities of the project to conserve fresh water as well as to recharge ground water. Before	of proposed project
	recharging the surface run off, pre-treatment must be	
45-	done to remove suspended matter.	
133	The unit shall join and participate financially and technically for any common environmental facility/	Noted
	infrastructure as and when the same is taken up either by	
	the Industrial Association or GIDC or GPCB or any such	
	authority created for this purpose by the Govt. / GIDC.	

Sr. No	EC Conditions	Compliance Status
134	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Noted
135	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Noted
136	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Noted
137	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Noted
138	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Noted
139	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Noted
140	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Noted
141	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Noted
142	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Noted
143	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted
144	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted
145	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	Noted
146	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Noted
147	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted
148	The applicant shall inform the public that the project has be clearance by the SEIAA and that the copies of the clearance	

C				
Sr. No	EC Conditions		Compliance Status	
	 and may also be seen at the Website of SEIAA/ SEAC seven days from the date of the clearance letter, in a widely circulated in the region, one of which shall be English. A copy each of the same shall be forwarded Ministry. Complied We have informed the public that the project has by the SEIAA and that the copies of the clearance also be seen at the website of SEIAA/ SEAC/ GPC English and Gujarati Newspaper advertisement or 	to the second before the been second before the been second before the before	two local newspapers that are Gujarati language and the other in concerned Regional Office of the accorded environmental clearance are available with GPCB and may	
	below and the same is attached as Annexure-5 Name of Paper: Times of India Date of Issue: 15/06/2021 In: English language	•		
	Name of Paper: Divya Bhaskar Date of Issue: 15/06/2021 In: Gujarati language			
	Environ SEAUSIMICALE SEAUSIM	Chemicals Ltd. for expansion of setting up Chlor Aliak Plant and Captive Power Plant at Plot No. 1, GIDC Industrial Estate, Village, Villayat, Taluka: Vagra, District Bharuch, Gujarat as per applicable provisions of the S.O. 1533, EtA Notification 2006 and its subsequent amendments, Copy of the clearance letter is available with the Gujarat Perlution Control Soand and may also be seen on the website of SEIAA/SEAC/GPCs.		
149	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.		We are submitting half-yearly compliance report regularly	
150	Concealing factual data or submission of false/ fabric data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.		We shall comply with the condition after commissioning of the captive power plant project.	
151	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Bo	ard.	We shall comply with the condition after commissioning of the project.	
152	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.		Noted	
153	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.		 We shall comply with the condition after commissioning of the project. 	
154	The project authorities shall inform the GPCB, Region Office of MOEF and SEIAA about the date of financia closure and final approval of the project by the conceauthorities and the date of start of the project.	I	 We shall comply with the condition after commissioning of the project. 	
155	This environmental clearance is valid for seven years the date of issue.	from	Noted	
156	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a		Noted	

Sr. No	EC Conditions	Compliance Status
	period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	
157	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted



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By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment) CCA AMENDMENT NO: AWH - 118058

NO: GPCB/BRCH-B/CCA- 70(8)A/ID-41279/6+5546

DT:1806/2022

To.

M/s. Grasim Industries Ltd Chemical Division

Plot No: 1.

GIDC Industrial Estate Vilayat,

Tal: Vagra, Dist-Bharuch.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various

Environmental Acts/ Rules.

REF:

(1) Your application No. 202404 dated 27/09/2021.

(2) CCA No. AWH - 98281 dated: 29/01/2019 (CCA Renewal)

(3) CCA - Amendment No. AWH - 103311 dated: 13/11/2019

Sir.

This has reference to the CCA order No: AWH-103311, issued vide letter no. GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734, dated 13/11/2019 under the provisions of the various Environmental Act/ Rules, which stands amended as under-

The Validity of this order shall be up to 02/03/2024.

1. The list of proposed products to be manufactured shall be

Sr.	Products		tity (MT/Annun	
No.	Control Control	Existing	Proposed	Total
1	Caustic Soda Lye	365000		365000
2	Hydrogen	102200000 (Nm ³ /Annum)	*	102200000 (Nm ³ /Annum
3	Liquid Chlorine / Sodium Hypochlorite / Hydro Chloric Acid	328500	•	328500
4	Poly Aluminium Chloride	250000	•	250000
5	Chlorinated Paraffin Wax	70000		70000
6	Aluminium Chloride	25000	(*)	25000
7	Stable Bleaching Powder	61000	*	61000
8	Phosphoric Acid	35000		
9	Calcium Chloride	87600		35000
10	Captive Power Plant	96 MW		96 MW
11	Aluminium Chloro Hydrate (Super	5000		5000

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	Coagulant)			
12	Calcium Hypochlorite (High Strength Bleaching Powder-HSBP)	24000		24000
Propo	sed		T-	
13	Methyl Chloride			
14	Methylene Chloride (50% to 80% of total production)			
15	Chloroform (15% to 40% of total production)		_ 540	54000
16	Carbon Tetra Chloride (5% to 10% of total production)			

2. Specific conditions:

- a) Unit shall not carry out any construction activities and production which attracts provisions of Environment Clearance without obtaining EC from competent authority under EIA notification dated 14/09/2006 and amended thereafter.
- b) Unit shall use fresh raw material only.
- c) Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.
- d) All the efforts shall be made to send hazardous waste to cement industry for Coprocessing first & there after it shall be disposed through other option.
- e) Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per
- f) Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- g) Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- Init shall strictly follow the Fly Ash Notification for disposal of generated ash.
- i) Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.

CONDITION UNDER THE WATER ACT:

- The condition No. 2.1 for Water Consumption under Water Act of the CCA order No: 3. AWH-103311, issued vide letter no. GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734, 3.1 dated: 13/11/2019 is amended and shall now be read as under.
 - Domestic: 471KL/Day (Existing 466 KLD + Proposed 5 KLD)



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 Industrial: 18598 KL/Day (Existing 18059 KLD + Proposed 539.5 KLD) Total: 19069.5KL/Day (Existing 18,525 KLD + Proposed 544.5 KLD)

- The condition No. 2.2 for Wastewater Generation under Water Act of the CCA order No: 3.2 GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734, dated: 13/11/2019 is amended and shall now be read as under.
 - Domestic: 356,8 KL/Day (Existing 352,8 KLD + Proposed 4KLD)
 - b. Industrial: 5884.5 KL/Day (Existing 5623 KLD + Proposed 261.5 KLD)

Total: 6241.3 KL/Day (Existing 5975.8 KLD + Proposed 265.5 KLD)

- 3.3 Mode of disposal of wastewater:
 - a) After proposed expansion, addition waste water generation shall be 261.50 KLPD, out of which from cooling (147 KLD) and from process (20 KLD) shall be taken to RO plant. RO permeate of 117 KLD shall be reused in process and RO reject (50 KLD) shall be used for coal sprinkling.
 - b) Existing disposal mode of treated effluent shall remain as per previous CCA.
 - c) Total 356.80 KLD domestic sewage shall be treated in STP and treated waste water shall be used for gardening purpose after conforming following prescribed norms.

Parameters	GPCB Norms
pH TSS	6.5 to 9
The state of the s	< 100 mg/l
Fecal Coliform (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100ml
BOD (3 days 27° degree C)	30 mg/L

CONDITIONS UNDER THE AIR ACT: 4.

The condition No. 3.1 for Fuel Consumption under Air Act of the CCA order No: AWH-4.1 103311, issued vide letter no. GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734,dated: 13/11/2019 is amended and shall now be read as under.

Sr.	Name of fuel			
No.		Existing		Total
1	Coal	72000 MT/Month	Proposed	72,000 MT/Month
2	HSD	2200 Lit/hr	200 Lit/hr	The second secon
3	Hydrogen		200 Nm3/hr	2400 Lit/hr 200 Nm3/hr

The condition No. 3.2 for Flue gas stacks under Air Act of the CCA order No: AWH-4.2 103311, issued vide letter no. GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734, dated: 13/11/2019 is amended and shall now be read as under.

Stack No. Existin	to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
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1	Boiler 1 & 2	125	ESP & low NOx burner	PM SO _X NO _X	150mg/Nm ³ 100 ppm 50 ppm
2	Boiler 3 & 4	125		PM SO _E NO _X	150mg/Nm ³ 100 ppm 50 ppm
3	D. G. Sets (1875 KVA - 4 Nos.)	36	-	PM SO _X NO _X	150mg/Nm ³ 100 ppm 50 ppm
4	D. G. Sets (750 KVA - 3 Nos.)	11		PM SO _x NO _x	150mg/Nm ³ 100 ppm 50 ppm
5	Stack attached to primary coal crusher-1	22.4	Bag filter	PM	150mg/Nm ³
6	Stack attached to primary coal crusher -2	30.3	Bag filter	PM	150mg/Nm³
Prop	osed			1 41.5	150mg/Nm ³
7	D. G. Sets (750 KVA - 1Nos.)	11	-	PM SO _X NO _X	100 ppm 50 ppm
8	Volatile Reduction Chamber (VRC)	35	Water and Caustic scrubber	NO _x HCl Cl2	50ppm 20 mg/m3 9 mg/m3

4.3 The condition No. 3.3 for Process gas stacks under Air Act of the CCA order No: AWH-103311, issued vide letter no. GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734, dated: 13/11/2019 is amended and shall now be read as under.

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
Existin	12	3,100,000			
1, 1	Sodium Hypo stack-1 (Caustic Plant)	35	Alkali Scrubber	Cl ₂	9 mg/Nm³
2.	HCl stack-1 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system	нсі	35 mg/Nm ²
3.	HCl stack-2 [Caustic Plant)	. 35	Water Scrubber having bubble cap tray absorption system		
4.	Poly Aluminium Chloride	35	Water scrubber system	HCI Cl ₂	20 mg/Nm ³ 9 mg/Nm ³



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	Liquid-1				
5.		35	Alkali scrubbing system	HCI Cl ₂	20 mg/Nm 9 mg/Nm ³
6.	Aluminium Chloride	35	Alkali scrubbing system	HCI Cl ₂	20 mg/Nm 9 mg/Nm ³
7.	Stable Bleaching Powder Plant	35	Alkali scrubbing system	HCl Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
8.	Phosphoric Acid Plant	35	Water Scrubber	HCI HF	20 mg/Nm ³
9.	Calcium Chloride	35	Water Scrubber	HCI	6 mg/Nm ³
10.	Sodium Hypo stack-2 (Caustic Plant)	35	Alkali Scrubber	Cl2	20 mg/Nm ³ 9 mg/Nm ³
11,	HCI stack-3 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system		
12.	HCl stack-4 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system	HCI	35 mg/Nm ³
13.	Poly Aluminium Chloride Liquid-2	35	Water scrubber system	HCI Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
14.	Poly Aluminium Chloride Powder-1	35	3 stage water scrubber	HCI Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
15.	Chlorinated Paraffin Plant	35	Alkali scrubbing system	HCI Cl _z	20 mg/Nm ³ 9 mg/Nm ³
16.	Aluminium Chloride	35	Alkali scrubbing system	HCI Cl ₂	20 mg/Nm ³ 9 mg/Nm ³
7.	Stable Bleaching Powder Plant	35	Alkali scrubbing system	HCI Clz	20 mg/Nm ³ 9 mg/Nm ³
18.	Vent attached to Reactor	35	**	H ₂ gas	**
9.	Vent attached to dryer-1 (HSBP)	21	Bag Filter	PM	150 mg/Nm ³
0.	Vent attached	21	Bag Filter	PM	150 mg/Nm ²

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	to dryer-2 (HSBP)				
21.	Vent attached to reaction vessel-1 (HSBP)	21	Water / Caustic Scrubber	Clz	9 mg/Nm³
22.	Vent attached to reaction vessel-2 (HSBP)	21	Water / Caustic Scrubber	Cl2	9 mg/Nm³
Prop	osed				
23	Hydro Chiorinator – CMS plant	35	Alkali Scrubber	HCI	20 mg/Nm ³
24	Crude CMS Distillation - CMS Plant	35	Condenser and guard condenser with cooling water circulation & chilled circulation	VOC	1 μg/m3
25	Heavies CMS Distillation - CMS Plant	35	Condenser and guard condenser with cooling water circulation & chilled circulation	voc	1 μg/m3

The concentration of the following parameters in the ambient air within the premises of 4.4

the industry shall not exceed the limits specified hereunder.

industry shall not exceed the limits sp		Permissible Limit (microgram)			
Sr. No.	Parameters	Annual	24 Hours Average		
	Particulate Matter (PM ₁₀)	60	100		
1.	Particulate Matter (PM25)	40	60		
2.		50	80		
3.	Oxides of Sulphur (SO _x)	40	80		
4.	Oxides of Nitrogen (NO _x)	-90			

Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in 45 condition as above.

CONDITIONS UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & 5 TRANSBOUNDARY MOVEMENT) RULES, 2016

Unit shall comply with provisions of Hazardous & Other Wastes (Management & 5.1 Transboundary Movement) Rules-2016.

GPCB GPCB

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5.2 The condition No. 6.2 under authorization for Hazardous & other wastes of the CCA order No: AWH-103311, Issued vide letter no. GPCB/ BRCH/ CCA-70(6)/ ID-41279/526734, dated: 13/11/2019 is amended and shall navel be conditioned.

Sr.	Name of	Catego	Qu	antity in MT	/Year	e read as under. Facility
No.	Haz, Waste	ry Numbe r	Exi,	Pro.	Total	Tucinty
1	Chemical sludge from Waste water treatment	35.3	40160	55	40215	Collection, Storage Transportation and Disposal a approved TSDF,
2	Spent Carbon	36.2	0.33	40	40.33	Collection, Storage Transportation and Disposal a approved TSDF site
3	Used Spent Oil	5.1	100.5 KL	0.5 KL	101 KL	Collection, storage, Reuse, Transportation and Disposal by sending to authorized recyclers/refiners
	Spent ion exchange resin	35.2	0.33	0.67	1	Collection, Storage, Transportation and Disposal at approved TSDF site
5	Discarded container	33.1	1700 Nos.	300 Nos.	2000 Nos.	Collection, storage, Decontamination/D
6	Bags / Liners		25	0	25	etoxification, Reuse, Transportation and Disposal by sending to authorized recyclers/refiners
	Waste	36.1	37	105	142	Collection, Storage, Transportation and Disposal at approved CHWIF site.
	Spent Acid * (HCI)	B15	1,15,500	27,000	1,42,500	Collection, Storage, Transportation through pipeline and disposal by consuming (60,000 MT/year Jin-house in manufacturing process of Poly Aluminum Chloride.

						Collection, Storage, Transportation and disposal by sending (82,500 MT/Annum) to Actual users/end- user having rule-9 permission & valid CCA after making MOU.
8	Spent Acid (Dilute Sulphuric Acid)	B15	7500	8000	15,500	Collection, Storage, Transportation and Disposal by sending to authorized Actual users/end-user having rule-9 permission & valid CCA after making MOU.
9	Bleaching Liquid (consists of 3% Hypo, 10% CaCl ₂ , 65% to 75% water)	**	60,000		60,000	Collection, Storage, Transportation and Disposal by sending to authorized Actual users/end-user having rule-9 permission & valid CCA after making MOU.
40	Sodium Chloride (consist of 90% NaCl)	-	6000	-	6000	Collection, Storage, Transportation and Disposal at approved TSDF site
11	Residue/slu dge & filter cake	16.2	6066	-	6066	Collection, Storage, Transportation and Disposal at approved TSDF site.
			Pr	oposed		Collection, Storage,
12	Spent Catalyst	17.2	0	25	25	Transportation and Disposal at approved TSDF site
13	Aluminum Dross Waste	•	0	50	50	Collection, Storage, Transportation and Disposal at approved TSDF site
14	Batteries	2	0	100 Nos.	100 Nos.	



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15						batteries Management and Handling Rules, 2010
16	E-Waste	•	0	1	1	Collection, Storage, Transportation and Disposal as per the E-waste management Rules- 2016
	Insulating Material		0	25	25	Collection, storage, Reuse, Transportation and Disposal at
Non I	nazardous waste	2			-	approved TSDF.
1	Fly Ash	-	86,400	**	86,400	Collection, Storage, Transportation and Disposal by sending to brick manufacturing as per fly ash notification.

All other conditions of the CCA order No: CCA order No: AWH-103311, issued vide letter 6 no. GPCB/ BRCH/ CCA-70(6)/ ID- 41279/526734, dated: 13/11/2019 shall remain same.

> FOR AND ON BEHALF OF GUJARAT POLLUTION CONTROL BOARD

> > (IRFAN KAGZI) ENVIRONMENT ENGINEER

R.G. SHAH MEMBER SECRETARY SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/1(d),4(d)&5(f)/

/2011

Date:

Time Limit

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Sub:

Environment Clearance for the proposed Expansion: Putting Chlor-alkali unit with value added products (as a backward integration of VSF plant) along with expansion of captive power plant from 25 MW to 85 MW at located at Plot No. 1, GIDC Industrial Estate, Vilayat - 392 140, Tal. Vagra, Dist. Bharuch by M/s. Grasim Cellulosic (A Unit of Grasim Industries Ltd.)..... in Category 1(d), 4(d) & 5(f) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application in Application Form-I along with Pre - feasibility Report , EIA Report and Copy of MoU between the coal supplier and the company submitted vide letter dated 02/04/2011 submitted to the SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for Expansion: Putting Chlor-alkali unit with value added products (as a backward integration of VSF plant) along with expansion of captive power plant from 25 MW to 85 MW at located at Plot No. 1, GIDC Industrial Estate, Vilayat - 392 140, Tal. Vagra, Dist. Bharuch by M/s. Grasim Cellulosic (A Unit of Grasim Industries Ltd.). M/s. Grasim Cellulosic obtained environmental clearance in the year 2008 for manufacturing of VSF, CS2, Sulphuric Acid, Sodium Sulphate and captive power at Vilayat Vagra. In addition to above products, it is now proposed to expand the project by putting Chlor-alkali unit as a backward integration to Viscose Staple Fibre (VSF) with forward integration chlorine products. The proposal also includes expansion of power plant from 25 MW to 85 MW. Bipolar Membrane Cell technology shall be adopted for the Chlor-alkali unit. The applicant has applied for Expansion following Product.

Product:

Sr.	Product	Capacity		
No.				
1	Caustic Soda Lye	219000 TPA (600 TPD)		
2	Liquid Chlorine / Hydrochloric Acid	197100 TPA (540 TPD)		
3	Hydrogen	61320000 Nm3/Year (168000 Nm3/day)		
4	Chlorosulphonic Acid	73000 TPA (200 TPD)		
5	Sulphuric Acid	36500 TPA (100 TPD)		
6	Carbon Disulphide	31025 TPA (85 TPD)		
7	Liquid Poly Aluminium Chloride	146000 TPA (400 TPD)		
8	Staple Bleaching Powder	36500 TPA (100 TPD)		
9	Chlorinated Paraffin	36500 TPA (100 TPD)		
10	Aluminium Chloride	14600 TPA (40 TPD)		
11	Power Generation	60 MW		

The project activity is covered in 1(d), 4(d) & 5(f) and is of 'B' Category. Since the unit is located in the notified industrial estate, it does not need Public Consultation as per Para 7(i) III. Stage (3) (b) – Public Consultation of EIA Notification, 2006.

Office: Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010

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The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The proposal was considered by SEIAA, Gujarat in its meeting held on 12.05.2011 at Gandhinagar. Since the EIA Report was found to be adequate and complete and the public consultation is not required for the project, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following Specific and General conditions::

A. SPECIFIC CONDITIONS:

 The unit shall obtain requisite permission from PESO, Nagpur for storage of chlorine, hydrogen etc. before commissioning of the project.

A.1 WATER:

- 2. No ground water shall be used for the project. Entire water requirement of 35000 KLD after the proposed expansion shall be met through the GIDC water supply only.
- 3. The industrial effluent generation from the project shall not exceed 25600 KLD after the proposed expansion.
- 4. The industrial effluent shall be treated in the ETP consisting of Zinc Clarifier Tanks (3 no.), Grit Chambers (3 no.), Primary Clarifier (2 no.), Equalization Tank, Biological Reactor, Final Clarifiers (2 no.), Thickeners (2 no.), Belt Press (2 no.) and Sludge Dryers (6 no.) etc. The ETP shall be operated regularly and efficiently so as to achieve the GPCB norms at the ETP outlet.
- The treated waste water conforming to the GPCB norms shall be discharged into the GIDC underground drain for its final disposal into the deep sea.
- A Guard / Polishing Pond shall be provided before discharge of treated effluent into GIDC underground drain. The unit shall provide on line pH meter, TDS meter & TOC meter for online monitoring of the treated effluent.
- 7. The domestic wastewater generation shall not exceed 800 KLD after the proposed expansion.
- 8. The domestic wastewater shall be treated in the adequate STP. The STP shall be operated regularly and efficiently so as to achieve the GPCB norms at the STP outlet.
- The treated domestic wastewater conforming to the GPCB norms shall be utilized for gardening / plantation within premises. However during the rainy season, it shall be transferred to the ETP for its discharge into the GIDC underground drain.
- 10. The unit shall provide metering facility at the inlets and outlets of the ETP & STP and maintain the records of the same.
- 11. Proper logbooks of ETP & STP operation and also showing the quantity of effluent generated, discharged into GIDC underground drain, utilized for plantation / gardening etc. shall be maintained and furnished to the GPCB from time to time.
- 12. Regular performance evaluation of the ETP & STP shall be undertaken every year to check its adequacy, through credible institutes like L.D. College of Engineering, NPC or such other institutes of similar repute, and its records shall be maintained.
- 13. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.
- 14. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

A.2 AIR:

- 15. Process emission shall be controlled with the air pollution control equipments (APCE) as mentioned below.
 - a. Poly Aluminium Chloride Plant Water scrubber for absorption of HCl vapor
 - b. Caustic Soda Plant Water scrubber having bubble cap tray system for absorption of HCI

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- vapour & three tower systems with alkali scrubber for absorption of unreacted chlorine to produce sodium hypochlorite.
- c. Bleaching Powder Plant, Aluminium Chloride Plant and Chlorinated Paraffin Plant Alkali scrubbers of absorption of Cl2 emission.
- d. Sulphuric Acid Plant DCDA system in manufacturing and scrubbing system.
- e. Chlorosulphonic Acid Plant Acid scrubber for absorption of SO3 emission.
- 16. The APCE shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets. Adequate stack height as per prevailing norms shall be provided for the process emissions.
- 17. Natural gas shall be used as a raw material in the CS2 plant. Thus, there shall be no CS2 & H2S emission from the CS2 Plant.
- 18. Imported Coal to the tune of 1700 TPD shall be used as a fuel in the proposed 60 MW Power Plant. Stack of 175 meter height shall be provided for the proposed power plant.
- 19. High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the power plant. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standard, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified norms or boiler shall shut down totally.
- 20. There shall be one extra field in the ESP to ensure that even though one field goes out of order, the prescribed standard of PM is met with. In case of failure of two or more fields of the ESP, the unit shall immediately shut down the power plant.
- 21. Online monitoring system shall be installed to monitor at least SOx & PM concentrations in the flue gas emission and the results shall be displayed at strategic locations in the premises.
- 22. The company shall prepare schedule, carry regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.
- 23. Adequate air pollution control systems shall be provided as proposed for control of fugitive emission viz. water sprinklers at all coal transfer points and truck unloading points, dust suppression along coal storage locations, paddle type dust conditions for wetting the fly ash during unloading etc.
- 24. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).
- 25. Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institutes like L.D. College of Engineering, NPC or other such other institutes of similar repute, and its records shall be maintained.
- 26. Regular monitoring of ground level concentration of CS2, H2S, SO2, NOx, Cl2, HCl, PM10 and PM2.5 shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by Gujarat Pollution Control Board. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB.

A.3 HAZARDOUS /SOLID WASTE:

- 27. The company must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handing and Transboundary Movement) Rules 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
- 28. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
- 29. The unit shall dispose its ETP sludge, brine / process sludge, spent resin, spent catalyst and spent

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- carbon at the nearest common TSDF. The unit shall obtain membership of the nearest common TSDF for disposal of the aforesaid solid wastes.
- 30. Discarded containers / barrels / bags / liners shall be either reused or sold only to the authorized recyclers after decontamination.
- 31. Used oil shall be sold only to the registered recyclers.
- 32. Fly ash shall be handled in dry state and handling of the fly ash shall be done through a closed pneumatic system.
- 33. At least seven days storage facility for the fly ash in terms of closed silos shall be provided at site. No ash pond shall be constructed for storage of fly ash.
- 34. The ash shall be supplied to the manufacturers of ash based products such as cement, concrete blocks, bricks, panels, etc. The unit shall strictly comply with the Fly Ash Notification under the E.P.Act and it shall be ensured that there is 100% utilization of ash to be generated from the unit.

A.4 SAFETY:

- 35. Provisions of the Manufacture, Storage & Import of Hazardous Chemicals Rules, 1986 & Factories Act, 1948 shall be strictly complied with.
- 36. A well designed fire hydrant system shall be installed as per the prevailing standards.
- 37. All the risk mitigation measures, general & specific recommendations mentioned in Chapter 6 of the EIA Report shall be implemented.
- 38. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals, especially chlorine, hydrogen, CS2, HCI etc.
- 39. Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risk generated out of it. Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity tank for safety purpose.
- 40. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
- 41. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. Close handling system for chemicals shall be provided.
- 42. Tie up shall be done with nearby health care unit for seeking immediate medical attention in the case of emergency, regular medical check up of the workers and keeping its record etc.
- 43. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
- 44. First Aid Box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
- 45. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
- 46. Occupational health surveillance of the workers shall be done and its records shall be maintained. Preemployment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
- 47. Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.
- 48. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.

A.5 NOISE:

- 49. To minimize the noise pollution the following noise control measures shall be implemented:
 - ✓ Selection of any new plant equipment shall be made with specification of low noise levels.
 - ✓ Manufacturers / suppliers of major noise generating machines / equipments like air compressors, feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible before supply and installation to mitigate the noise generation and to comply with the national / international regulatory norms with respect to noise generation for individual units

Office : Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010 Page 4 of 7
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- Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.
- ✓ Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided.
- ✓ Employees shall be provided with ear protection measures like earplugs or earmuffs.
- ✓ Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation.
- Construction equipment generating minimum noise and vibration shall be chosen.
- ✓ Ear plugs and/muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment.
- √ Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate.
- ✓ Construction equipment meeting the norms specified by EP Act, 1986 shall only be used.
- ✓ Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas.
- ✓ Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment.
- 50. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

A.6 ENERGY CONSERVATION:

- 51. The project proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.
- 52. The energy audit shall be conducted at regular intervals and the recommendations of the audit report shall be implemented.
- 53. The project proponent shall implement the application of solar energy which shall be utilized as solar lighting for illumination of common areas, lighting of internal roads and passages in addition to utilization of solar water heating systems.
- 54. The transformers and motors shall have minimum efficiency of 85 %.
- 55. Variable frequency drives shall be installed.
- 56. Energy conservation measures shall include use of electronic lighting system, use of CFL tubes to minimize energy use, use of programmable timers for pumping system and lighting, water level controllers for water pumps, centralized cooling etc.
- 57. Energy saving practices as follows shall be practiced:-
 - Constant monitoring of energy consumption and defining targets for energy conservation.
 - Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort level.
 - Use of solar cells for lighting.
 - Use of solar water heater for canteen & washing area.
 - Proper load factor shall be maintained by the unit.
 - > Provision of day light roof to utilize maximum natural light in the production plant instead of electrical lighting.
 - Use of electronic ballast to save energy.
 - > Automatic switching system for lighting & water tank pumping shall be used.
 - > To the maximum extent possible and technically feasible, energy efficient equipment like motors, pumps, air conditioning systems shall be selected.
 - > Gravity flow shall be preferred wherever possible to save pumping energy.
 - Promoting awareness on energy conservation.
 - Training to the staff on methods of energy conservation and to be vigilant for this.

A.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

Office : Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010 Page 5 of 7
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- 58. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
- 59. The company shall undertake following waste minimization measures:
 - a) Metering and control of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or raw materials substitutes in other process.
 - c) Use of automated and enclosed filling to minimize spillages.
 - d) Use of close feed system into batch reactors.
 - e) Dry cleaning / mopping of floor instead of floor washing
 - f) Use of high pressure hoses for cleaning to reduce wastewater generation
 - g) Regular preventive maintenance for avoiding leakage, spillage etc.

A.7 GREEN BELT AND OTHER PLANTATION:

- 60. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in the GIDC estate, nearby schools, gram panchayat areas and any other open areas in consultation with the GIDC / local bodies / GPCB and submit an action plan of plantation for next three years to the GPCB.
- 61. Minimum of 15000 trees shall be planted every year up to five years and budget of Rs. 10 lacs per annum shall be earmarked for the green belt development, as committed by the project proponent.
- 62. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development.

B. GENERAL CONDITIONS:

- 63. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- 64. The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the Central Pollution Control Board, as may be applicable.
- 65. A separate Environment Management Cell equipped with full fledged laboratory facilities and qualified personnel shall be set up to carry out the Environment Management and Monitoring functions and a separate budget shall be allocated for this purpose.
- 66. The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported.
- 67. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
- 68. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
- 69. All the recommendations made in the EIA/EMP submitted by the project proponent shall be strictly implemented.
- 70. The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
- 71. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 72. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The

Office: Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010 Pag

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funds so provided shall not be diverted for any other purpose.

- 73. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 74. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
- 75. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
- 76. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- 77. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
- 78. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 79. This Environmental Clearance is valid for five years from the date of issue.

With regards,

Yours sincerely,

(R.G.SHAH) Member Secretary

Issued to:

M/s. Grasim Industries Limited (Unit : Grasim Cellulosic), P.O. Birladham, Nagda – 456 331, Dist. Ujjain (M.P.).

Copy to:-

- The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
- 2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
- The Chief Conservator of Forests (Central), Ministry of Environment & Forests,
 Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
- Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
- 5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010.
- Select File.

(R.G.SHAH) Member Secretary

Office : Gujarat Pollution Control Board, *"Paryavaran Bhavan"* Sector-10 A, Gandhinagar-382010 Page 7 of 7 Phone No.:- (079) 232-32152,232-41514 Fax No.:- (079) 232-22784

R. G. SHAH MEMBER SECRETARY SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/1(d),4(d)&5(f)/

/2012

Date:

Page 1 of 2

Amendment to Environment Clearance Order No:-

(Under the provision of Environmental Impact Assessment (ElA) Notification, 2006)

In exercise of the power conferred under the provision of Environmental Impact Assessment (EIA) Notification, 2006 under sub-rule (3) of Rule 5 of the Environment (Protection) Rules, 1986, the Environment Clearance granted to Grasim Cellulosic (A Unit of Grasim Industries Ltd.) for expansion by putting Chlor-alkali unit with value added products (as a backward integration of VSF plant) along with expansion of captive power plant from 25 MW to 85 MW, vide order no. SEIAA / GUJ / EC / 1(d), 4(d) & 5(f) / 96 / 2011 dated 30-05-2011, is being subjected to amendment for the following condition only.

And whereas SEIAA has granted Environment Clearance vide office order letter no. SEIAA / GUJ / EC / 1(d), 4(d) & 5(f) / 96 / 2011 dated 30-05-2011, under the provisions of the aforesaid Notification.

And whereas SEIAA has received recommendation from SEAC, for the amendment of Environment Clearance of this SEIAA under the provision of the aforesaid Notification. The proposal was considered by SEIAA, Gujarat in its meeting held on 15.03.2012 at Gandhinagar. Environment Clearance is hereby amended as under, subjected to amendment for the following condition only.

The Environment Clearance order no. SEIAA / GUJ / EC / 1(d), 4(d) & 5(f) / 96 / 2011 dated 30-05-2011 shall be read henceforth as under.

- In the second paragraph, increase in power generation shall be read as "25 MW to 96 MW" instead of "25 MW to 85 MW".
- 2. In the Table of Products, at serial number 11, Power Generation shall be read as "96 MW [Total Capacity After Expansion]" instead of 60 MW.
- 3. The condition no. 18 shall be amended as below:
 - 18. Imported Coal to the tune of 1700 TPD shall be used as a fuel in the proposed 96 MW Power Plant. Two stacks, each of 125 meter height shall be provided for the proposed power plant.

The other conditions of the Environment Clearance order no. SEIAA / GUJ / EC / 1(d), 4(d) & 5(f) / 96 / 2011 dated 30-05-2011 shall remain unchanged.

The Environment Clearance is subject to the conditions as may be specified in the rules from time to time under the Environmental Impact Assessment (EIA) Notification, 2006 and Environment

(Protection) Rules, 1986.
With regards,
Yours sincerely,

(R.G.SHAH)
Member Secretary

Issued to:

Mr. S. S. Maru, Sr. Executive President, Grasim Industries Limited (Unit : Grasim Cellulosic), P.O. Birladham, Nagda – 456 331, Dist. Ujjain (M.P.)

Copy to:-

- 1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
- 2. The Chairman, CPCB, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
- 3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
- 4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
- 5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010.
- Select File.

(R.G.SHAH) Member Secretary

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R. G. SHAH MEMBER SECRETARY SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/1(d),4(d)&5(f)/ /2012 Date:

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 - 18. Imported Coal to the tune of 1700 TPD shall be used as a fuel in the proposed 96 MW Power Plant. Two stacks, each of 125 meter height shall be provided for the proposed power plant.

The other conditions of the Environment Clearance order no. SEIAA / GUJ / EC / 1(d), 4(d) & 5(f) / 96 / 2011 dated 30-05-2011 shall remain unchanged.

The Environment Clearance is subject to the conditions as may be specified in the rules from time to time under the Environmental Impact Assessment (EIA) Notification, 2006 and Environment

(Protection) Rules, 1	1986
With regards,	

(R.G.SHAH) **Member Secretary**

Yours sincerely,

Issued to:

Mr. S. S. Maru, Sr. Executive President, **Grasim Industries Limited (Unit: Grasim Cellulosic),** P.O. Birladham, Nagda – 456 331, Dist. Ujjain (M.P.)

Copy to:-

- 1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
- The Chairman, CPCB, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
- The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
- Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003. 4.
- The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010.
- Select File.

(R.G.SHAH) **Member Secretary**

Office: Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010 Phone No.:- (079) 232-32152,232-41514 Fax No.:-(079) 232-22784

N.K. PATEL MEMBER SECRETARY SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/5(f)/ /2014

Date:

Time Limit

Page 1 of 4

Sub: Environment Clearance for - M/s. Grasim Cellulosic (A Unit of Grasim Industries Ltd.) located at Plot No. 1, GIDC Industrial Estate, Vilayat - 392 140, Tal. Vagra, Dist. Bharuch....... in Category 5 (f) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir.

This has reference to your application along with Form-I vide letter dated 21/09/2012, additional information / documents vide letter dated 07/07/2014 submitted to the SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for - M/s. Grasim Cellulosic (A Unit of Grasim Industries Ltd.) located at Plot No. 1, GIDC Industrial Estate, Vilayat - 392 140, Tal. Vagra, Dist. Bharuch. Grasim Cellulosic is proposing to manufacture the following products as a forward integration to their existing Chlor-alkali plant, which falls in the category - 5(f) of the schedule of the EIA Notification-2006:

Sr	Name of Product	Quantity (MT/Month)
No		Product	By-Product
Chlo	romethanes		
1	Methyl Chloride	Produced as 1 st step of manu	facturing of all other product
2	Methylene Chloride (50 % to 80 % of total production)	4500	
3	Chloroform (15% to 40 % of total production)	7500	
4	Carbon Tetra Chloride (5 % to 10 % of total production)		
5	Hydrochloric Acid		2250
FATT	Y ALCOHOLS		
A)	FATTY ALCOHOLMANUFACTURING PLANT		
6	Fatty Alcohol	2700	
7	Crude Alcohol Refining (Light)		25
8	Crude Alcohol Refining (Heavies)		144
B)	FATTY ALCOHOL FRACTINATION PLANT		
9	Fractionated Fatty Alcohol – Light Cut Alcohol	541	5
10	Fractionated Fatty Alcohol – Middle Cut Alcohol	199	
11	Fractionated Fatty Alcohol - Light	13	

As the proposed project is situated in the notified industrial estate, it falls in Category B as per the schedule of the EIA Notification-2006.

The project activity is covered in 5(f) and is of 'B' Category. Since, the proposed project is located in the notified industrial area, public consultation is not required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project. The proposal was considered by SEIAA, Gujarat in its meeting held on 28.07.2014 at Ahmedabad. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A.1 CONDITIONS WITH WHICH ENVIRONMENT CLEARANCE IS GRANTED:

A. 1.1 WATER:

 Fresh water requirement for Chloromethanes and Fatty Alcohol Plants shall not exceed 553 KL/day and it shall be met only through GIDC water supply only. Metering of water shall be done and its records shall be maintained. No ground water shall be used for the project.

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- 2. Cooling tower blow down to the tune of 275 KL/day and 20 KL/day of waste water from VRC Unit & Heat Recovery Unit shall be treated by RO system. RO reject to the tune of 88 KL/day shall be treated in the ETP whereas RO permeate to the tune of 207 KL/day shall be reused back in process plants.
- 3. Industrial effluent generated from process of Fatty Alcohols 25 KL/day & Chloromethane (Hydro Chlorination & Photo Chlorination) 60 KL/day, VRC Unit & Heat Recovery Unit 30 KL/day, RO reject 88 KL/day and safety showers 4.5 KL/day; hence total 207.5 KL/day shall be treated in the ETP consisting of primary, secondary and tertiary treatment facilities.
- 4. Domestic wastewater generation shall be 12.5 KL/day and it shall be treated in the ETP along with the industrial wastewater
- 5. The ETP shall be operated regularly and efficiently so as to achieve the GPCB norms at the ETP outlet.
- 6. The treated waste water conforming to the GPCB norms shall be discharged into the GIDC underground drain for its final disposal in deep sea.
- 7. A Guard / Polishing Pond shall be provided before discharge of treated effluent into GIDC underground drain.
- 8. Online monitoring system shall be provided at final outlet of the ETP for pH, TDS & TOC parameters and arrangement shall be made to reflect monitored data on server of the company, which can be accessed by the GPCB on real time basis. The unit shall also provide metering facility at the inlets and outlets of the ETP and maintain the records of the same.
- 9. Proper logbooks of ETP operation and also showing the quantity of effluent generated, discharged into GIDC underground drain, utilized for plantation / gardening etc. shall be maintained and furnished to the GPCB from time to time
- 10. Regular performance evaluation of the ETP shall be undertaken every year to check its adequacy, through credible institute and its records shall be maintained.
- 11. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

A.1.2 AIR:

- 12. Hydrogen gas shall be used as a fuel in Volatile Reduction Chamber (VRC) whereas HSD shall be used as a fuel in the D.G. Set of 750 KVA proposed for new plants.
- 13. Process emission shall be controlled with the air pollution control equipments (APCE) as mentioned below.
 - a. Hydro Chlorinator of Chloromethanes Plant Condenser and Guard Condenser with cooling water circulation for control of VOC.
 - b. Crude CMS Distillation Column of Chloromethanes Plant Condenser and Guard Condenser with cooling water circulation for control of VOC.
 - c. Heavies CMS Distillation Column of Chloromethanes Plant Condenser and Guard Condenser with cooling water circulation for control of VOC.
 - d. Volatile Reduction Chamber (VRC) of Chloromethanes Plant Water and Caustic Scrubber for control of NOx, HCI & Cl₂.
 - e. Methanol Column DT 111 of Fatty Alcohol Plant Condenser and Guard Condenser with cooling water circulation for control of VOC.
 - Crude Alcohol Let Down Drum S1301 of Fatty Alcohol Plant Water Seal and Flame Arrester for control of VOC.
 - g. Product Alcohol Let Down Drum S1301 of Fatty Alcohol Plant Water Seal and Flame Arrester for control of VOC
- 14. In Chloromethanes Plant, all vents after guard condenser shall be directed to Volatile Reduction Chamber (VRC) Unit, where gases shall be incinerated. Water Scrubber followed by Caustic Scrubber shall pro provided for control of emission from VRC.
- 15. The APCE shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlets. Adequate stack height as per prevailing norms shall be provided for process and flue gas emissions.
- 16. Online monitoring system shall be installed on VRC stack to monitor HCl, Cl₂ & NOx concentrations and arrangement shall be made to reflect monitored data on server of the company, which can be accessed by the GPCB on real time basis
- 17. The fugitive emission in the work area environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health).
- 18. Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institute and its records shall be maintained.
- 19. Regular monitoring of ground level concentration of CS₂, H₂S, SO₂, NOx, Cl₂, HCl, PM₁₀ and PM_{2.5} shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by Gujarat Pollution Control Board. If at any stage these levels are found to exceed the prescribed limits,

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necessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB.

A.1.3 HAZARDOUS / SOLID WASTE :

- 20. The company must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handing and Transboundary Movement) Rules 2008, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
- 21. The hazardous wastes shall be stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
- 22. The unit shall dispose ETP sludge and Spent Carbon from Chloromethanes and Fatty Alcohol Plants at the nearest common TSDF.
- 23. Exhausted Resin and Spent Catalyst shall be sent back for regeneration or reactivation.
- 24. Used oil shall be sold only to the registered recyclers.
- 25. Discarded containers / barrels / bags / liners shall be either reused or sold only to the authorized recyclers after decontamination.
- 26. Exhausted Batteries of UPS shall be managed as per the provisions of the Batteries (Management and Handling) Rules, 2001 as amended in 2010.
- 27. E-Waste from Plant Electronic system shall be managed as per the provisions of the E-waste Management and Handling Rules 2011.
- 28. Exhausted Insulating Materials shall be sold to authorized recyclers.

A1..4 SAFETY:

- 29. Provisions of the Manufacture, Storage & Import of Hazardous Chemicals Rules, 1986 & Factories Act, 1948 shall be strictly complied with.
- 30. A well designed fire hydrant system shall be installed as per the prevailing standards.
- 31. All the risk mitigation measures, general & specific recommendations mentioned in Chapter 6 of the EIA Report shall be implemented.
- 32. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals, especially chlorine, hydrogen, HCl etc.
- 33. Storage and use of hazardous chemicals shall be minimized to the extent possible and all necessary precautions shall be taken to mitigate the risk generated out of it. Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity tank for safety purpose.
- 34. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
- 35. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. Close handling system for chemicals shall be provided.
- 36. Tie up shall be done with nearby health care unit for seeking immediate medical attention in the case of emergency, regular medical check up of the workers and keeping its record etc.
- 37. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
- 38. First Aid Box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
- 39. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
- 40. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
- 41. Handling and charging of the chemicals shall be done in such a manner that minimal human exposure occurs.
- 42. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.

A.1.5 NOISE:

43. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

A.1.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

- 44. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
- 45. The company shall undertake following waste minimization measures:
 - a) Metering and control of quantities of active ingredients to minimize waste.
 - b) Reuse of by-products from the process as raw materials or raw materials substitutes in other process.
 - c) Use of automated and enclosed filling to minimize spillages.

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- d) Use of close feed system into batch reactors.
- e) Dry cleaning / mopping of floor instead of floor washing
- f) Use of high pressure hoses for cleaning to reduce wastewater generation
- g) Regular preventive maintenance for avoiding leakage, spillage e.

A.1.7 GREEN BELT AND OTHER PLANTATION:

- 46. The unit shall develop and maintain green belt within premises as per the CPCB guidelines. In addition to this, the unit shall also take up adequate plantation at suitable open land on road sides and other open areas within the Nandesari Industrial Area or in nearby locality or schools in consultation with the GIDC / Gram Panchayat / GPCB and submit an action plan of plantation for next three years to the GPCB.
- 47. Total 48000 nos. of trees shall be planted within the premises within next five years in addition to the existing 6113 nos. of trees & shrubs.
- 48. Drip irrigation system shall be used for the green belt development.

B.OTHER CONDITIONS:

- 49. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- 50. The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) published by the Central Pollution Control Board, as may be applicable.
- 51. A separate Environment Management Cell equipped with full fledged laboratory facilities and qualified personnel shall be set up to carry out the Environment Management and Monitoring functions and a separate budget shall be allocated for this purpose.
- 52. The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported.
- 53. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
- 54. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.
- 55. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
- 56. The company shall undertake socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.
- 57. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
- 58. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
- 59. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- 60. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 61. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
- 62. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
- 63. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- 64. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
- 65. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 66. This environmental clearance is valid for five years from the date of issue.
- 67. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of

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30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

With regards,

Yours sincerely,

(N.K. PATEL)
Member Secretary

Issued to:

Mr. K. C. Jhanwar, Group Executive President, Grasim Industries Limited – Chemical Division, P.O. Birladham, Nagda – 456 331, Dist. Ujjain (M.P.).

Copy to:-

- 1. The Secretary, SEAC, C/O. G.P.C.B. Gandhinagar 382010.
- 2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
- The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
- 4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
- 5. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010
- 6. Select File

(N.K. PATEL)
Member Secretary

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G. I. DAVE MEMBER SECRETARY SEIÁA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

<u>Government</u> of Gujerat

No. SEIAA/GW/EC/S(1)&4(d)/6 4 2/2016

Dote 2 9 OCT 2016 ByRPAD

Sub; Environment Clearance to Mrs. Grasim Industries Ltd. for setting up of the proposed expension of manufacturing of Caustic Sods Lye plant and Synthetic organic chemical plant located at Plot Mo:+, GIDC Industrial Estate,

Ref: Your Proposal No. 8IA/G.MMD2/\$212/02818 and File No. SIA/G.M78606/2016.

Dear Sir,

This has reference to your application along with EIA Report dated 19/85/2016 submitted to SEIAA seeking Environmental Clearance under Environment Impact Assassment Notification, 2006 and additional information / documents

The proposal is for Environmental Clearance to Mile. Graelin Industries Ltd. for setting up of the proposed expansion of manufacturing of Caustic Sods Lye plant and Synthetic organic chemical plant located at Piot No:1, GIDC Industrial Estate, Vilayat, Dist.: Bharuch, it is an existing unit for manufacturing following products, which fells in the category -

Sr. No.	Name of Product	Produ	otion Capacity	MT/Annum)
4		Extens	Proposed	Total
÷	Chlorinated Parality Wax	36500	33500	70000
÷	Caustic Soda Lye	219000	146000	365000
÷	Poly Aluminum Chloride	146000	104000	250000
÷	Aluminum Chloride	14600	10400	25000
<u> </u>	Stable Breaching Powder	36500	24500	61000
•	Hydrogen	61320000 (Nm²)	40830000 (Nm³)	102200000 (Nm²)
7	Liquid Chlorine / Sodium Hypochlorite Hydrochloric Acid	197100	131400	328500

The project activity is covered in 5(1)64(d) and is of 'B' Category. Since, the proposed project is located in notified industrial area, public consultation is not required as per paragraph 7(i) (iii) (i) (b) of the Environment Impact Assessment

The SEAC, Gujarat vide their letter dated 16/40/2018 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on \$7/09/2018. The proposal was considered by SEIAA, Gujarat in its meeting held on 29/10/2016 at Gandhnagar, After cereful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EtA Nothication dated 14th September, 2006 subject to the compliance of the following conditions. 00V0 10V5

- SPECIFIC CONDITION:
 - The unit shall obtain requisite permission from PESO, Negpur for storage of chlorine, hydrogen atc. before

- 2. Total water requirement after proposed expansion shall not exceed 8500 KL/day for the Synthetic Organic Charricals and Caustic Lye plant. Unit shall recycle/reuse 400 KL/day of waste water within Synthetic Organic Chemical's and Caustic Lye plants. Hence, fresh water requirement shall not exceed 6100 KU/day. Fresh water shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawai of water,
- The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
- 4. Total industrial wristle water generation from Synthetic Organic Chemicals and Caused Lyw plant shall not exceed 600.
- Unit shall treat the additional effluent in their existing ETP having capacity 35 MLD composes of primary & secondary MEMBER SECRETARIANIS. State Level Fauton

(SEL) Gajarut) Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Candhinagar-382010 Gujural Polistica Control Board, Phone No. ~ (079) 232-32152,232-41514 Fax No.:-(079) 232-22784

E-mail: msseisagn@email.com, Website:- www.seisa.gujarot.gov.in

"Paryayagan Bhawan" Sector-19-A, Gandbittagar-10 Page 1 of 5

- Total quantity waste water discharge of the group companies (i.e. Chemical division + Cellulosic division + Epoxy clivision) shall not exceeds 19.4 MLD at any time. The treated waste water conforming to the GPC8/CPC8/MoEF&CC norms shall be decharged into the GIDC underground drain for its final disposal into the deep sea.
- A Guard / Poishing Pond shall be provided before discharge of treated officers into GIDC underground drain. The unit shall provide on one pH mater, TOS mater & TOC mater for online monitoring of the treated affluent.
- Additional domestic waste water (40 KL/day) shall be bested in existing STP (Capacity 140 m3/day) and treated sewage. small be used for gardening-plantation within premises.
- During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose. treated sewage (40 KL/day) shall be stored in guard pond / polishing pend within premises. This eddelonal treated sawage (40 KL/day) shall not be discharged in any case.
- 10. The unit shall provide adequate effluent freatment plant (ETP) & STP and it shall be operated regularly and efficiently so as to achieve desired norms prescribed by MoEF&CC/CPCB/GPCB
- 11. A separate electric meter shall be placed for the ETP & STP system. Proper logbook of ETP & evaporator operations. also showing chemicals consumed, treated water raused, power consumed atc. shall be maintained and furnished to the
- 12. Regular performance evaluation of the ETP & STP shall be undertaken every year to check its adequacy, through credible institutes of National repute and its records shall be maintained.
- 13. Rain water harvesting of surface as well as rooflop runoff shall be undertaken and the same water shall be used for the vertous activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off pre-treatment must be done to remove suspended matter.
- 14. The unit shall join and participate financially and technically for any common environmental facility? infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govl. /

A DAIR

- 15. The excess steam requirement (100 MT/day) shall be met by generating the same with clean fuel i.e. Hydrogen at the rate of 30000 Nm3 per day in a 10 ton/hour and 10 kg/cm2 capacity of hydrogen boiler.
- 16 Process amission shall be controlled with the air pollution control equipments (APCE) as mentioned below
 - Sedium Hypo stock of Caustio Plant- Alkah scrubber for control of CI2
 - HCI stack-1 of Caustic Plant Water scrubber having bubble cap tray absorption system for control of HCI.
 - HCl stack-2 of Caustic Plant Water scrubber having bubble cap tray absorption system for control of HCl.
 - d. Poly Aluminum Chloride Liquid Water scrubber system for control of HCI & Cig.
 - Poly Aluminum Chlorida Powder 3 stage Water sorubber system for control of HCI & Ci2.
 - Chlorinated paraffin Plant Alkali Scrubbing system for control of HCI & Ct2.
 - Alumentum Chloride Aliqui Scrubbing system for control of HCL& Ct2.
 - Staple Bleaching Powder Alkah Scrubbing system for control of HCI & Ct2.
- 17. The APCE shall be operated efficiently and affectively to achieve the norms prescribed by the GPC8/CPCB/MoEFSCC al stack outsits. Adequate stack height as per prevailing norms shall be provided for the process emissions. At no time, emission level should go beyond the stipulated standards.
- 18. Online monitoring system shalf be installed to monitor at feast SQx & PM concentrations in the flue gas emission and the results shall be displayed at strategic locations in the premises.
- 19. Adequate air pollution control systems shall be provided as proposed for control of fugative emission viz. water sprinkfers at all cost transfer points and truck unloading points, dust suppression along cost storage locations, paddle type dust conditions for wetting the fly ash during unloading etc.
- 20. The fugitive emission in the work zone environment shall be monitored. The emission shall condom to the standards prescribed by the concerned authorities from time to lime (e.g. Directors of Industrial Safety & Health)
- 21. Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible malikites of national repuls, and its records shall be mainlained
- 22 Regular monitoring of ground level concentration of PM10, PM2.5, SO2, CI2, HCI & VOC shall be carried out in the impact zone and its records shalf be maintained. Ambient or quality levels shall not exceed the standards slipulated by Gujarat Politation Control Board. If at any stage these levels are found to exceed the prescribed limits, recessary additional control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with GPCB.
- 23. The air polition control systems shall be operated efficiently and effectively to achieve the norms prescribed by the GPGE/CPGB/McEF8CC at vent / stack outlets.
- 24. Fugitive emissions of VOC's must be regularly monitored. Sensors for detecting VOC's shall be provided at strategic locations. Leak Detection and Repair (LDAR) programme shall be implemented to control VOC emissions.
- 26 All the vessels used in the manufacturing process shall be closed to reduce the fugilise emission

DI HAZARDULS WAS IL

MRMBER 200 Has company shall streetly comply with the rules and regulations with regards to handling and disposal of Hazardous State Level & processing the cordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016. Impuct Asset

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- as may be amended from time to time. Authorization of the GPCB must be obtained for collection / presenent / storage /
- 27. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage tacinty with pucca
- 25. ETP waste, Brine/ process Studge, Spent Resin & Spent carbon from fillers will be disposed off at the nearby common
- 29. Orscarded barrels / conteners / bags / liners shall be either reused or returned back to suppliers or sold only to the
- Used oil shall be sold only to the registered recyclers.
- 31. The unit shall obtain necessary permission from the nearby TSDF site and CHWIP
- 32. Vehicles used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle
- 33. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWNF.

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- 34 The company shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous
- 35. The project authorities shall strictly comply with the provisions made in Manufecture. Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project Requisite On-site and Off-site Disester Management Plans have to be prepared
- 36 All the recommendations / commitments made in the revised EtA report of the project prepared by Mrs. Anend Consultants, Altrhedabed and submitted vide fatter no. Nit. dated 29/06/2016 shall be implemented in letter and spini.
- 37. All necessary precautionary measures as per the prevailing guidelines shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals, aspecially chlorine, hydrogen, HCl etc.
- 38. Storage of fammable chemicals shall be sufficiently away from the production area.
- Sufficient no. of fire extinguishers shall be provided near the plant and storage area.
- 40. All necessary precautionary measures shall be taken to avoid any land of accident during slorage and handling of toxic /
- 41. All the lovichazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall
- 42 The project management shall ensure to comply with all the environment protection measures, risk nationalism measures and safeguards mentioned in the Risk Assessment repot
- Only flame proof electrical allings shall be provided in the plant premises.
- 44. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks i containers inclead of
- 45. All the storage tenks shall be fitted with appropriate controls to evold any leakages. Bund/dyke walls shall be provided.
- 46. Hendling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that
- 47. Tie up shall be done with nearby health care until / doctor for seeking immediate medical attention in the case of
- 48. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised
- 49 First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate
- 50. Training shall be imparted to all the workers on safety and health sepects of chemicate handling.
- S1 Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
- 52 Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
- 53. The company shall implement all preventive and miligation measures suggested in the Risk Assessment Report.
- 54 Necessary permissions from various statutory authorities like PESO. Factory (napactorate and others shall be obtained

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55 The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like accustic insulation hoods, stiencers, enclosures atc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act,

A IZENEROY CONSPRVÁTION

MEMBER SECTION proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency State Level Engagement

(SETA AS Gu ja/figg : Gujarat Pollution Control Board, "Faryavaran Bhavan" Sector-10 A, Gandhinagar-382010 Starat Pollution Control Board, "Рэгуруаган Вһамар"

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Sector-10-A, Gandatoager-10

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- 57. The energy audit shall be conducted at regular whervals and the recommendations of the audit report shall be implemented.
- 58. The project proponent shall implement the application of soler energy which shall be utilized as solar lighting for illumination of common areas, lighting of internal reads and passages in addition to utilization of solar water nesting systems.
- The transformers and motors shall have minimum efficiency of 85 %.
- Variable frequency drives shall be installed.
- 61. Energy conservation measures shall include use of electronic lighting system, use of CFL tubes to minimize energy use, use of programmable teners for pumping system and lighting, water level controllers for water pumps, certificitied cooling etc.
- 62. Energy saving practices as follows shall be practiced:-
 - Constant monitoring of energy consumption and defining targets for energy conservation.
 - Adjusting the sellings and illumination levels to ensure minimum energy used for desired comfort level.
 - Use of solar cells for tighting.
 - Use of solar water heater for canteen & washing area.
 - Proper load factor shall be maintained by the unit.
 - Provision of day kgM roof to utilize maximum natural light in the production plant instead of electrical lighting
 - Use of electronic balliest to save energy.
 - Automatic switching system for lighting & water tank pumping shall be used
 - To the maximum extent possible and technically leasible, energy efficient equipment the motors, pumps, ar conditioning systems shall be selected.
 - Gravity flow shall be preferred wherever possible to save pumping energy.
 - Promoting awareness on energy conservation.
 - Training to the staff on methods of energy conservation and to be vigitant for this.

ALTICLI AND RIPRODUCTION AND WASHER MAY SKHON.

- 63 The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compilance shall be furnished to the GPCB.
- 64. The company shall undertake following waste minimization measures
 - Molering and control of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or raw materials substitutes in other process.
 - Use of automated and enclosed filling to minimize spillages.
 - Use of close feed system into batch reactors.
 - Dry cleaning / mopping of floor instead of floor washing
 - f. Use of high pressure hoses for deaning to reduce wastewater generation
 - Regular preventive maintenance for avoiding leakage, spillage etc.

A BIORPLY BELT AND COMPRO. MATA COM-

- 65. The unit shall develop green belt within premises as per the CPCS guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in the GIDC estate, nearby achools, gram panchayet areas and any other open areas in consultation with the GIDC / local bodies / GPCS and submit an action plan of plantation for next three years to the GPCS.
- 66 Drip Imgallon / low-volume, low-angle sprinkler system shall be used for the green bell development.

ELICITIES CONDITIONS

- 67. In the event of failure of any pollution central system adopted by the unit, the unit shall be safety closed down and shall not be resturied until the desired efficiency of the control equipment has been achieved.
- 68. All the recommendations / commitments made in the EIA report of the project prepared by M/s: Anand Consultants, Ahmedabad and eubmilded vide latter no. NRL dated 29/06/2016 shall be implemented in letter and spirit.
- 69. The project authorities must strictly adhere to the stipulations made by the Gujarai Poliution Control Board (GPCB), State Government and any statutory authority.
- 70 Ourng material transfer, spillages shall be avoided and gartend drain be constructed to avoid mixing of accidental spillages with domestic wasternater or storm water.
- 71. Pucce Booring / impervious layer shall be provided in the work erees, chemical storage areas and chemical handling ereas to minimize soil contamination.
- Leakages from this pipes, pumps, shall be running and if occurs, shall be arrested promptly.
- 73. No further expansion or modifications in the plant thely to cause environmental impacts shall be carried out wethout obtaining prior Environment Clearance from the concerned authority.
- 74. The above conditions will be enforced, Intervalia under the provisions of the Water (Prevention & Control of Pollution)

 MENTITER SECTION AIT (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and

 State Level Environment (Management and Transboundary Movement) Rules 2018 and the Public Liability Insurance Act, 1991

 Impact Assessing the Authority

- along with their amendments and rules.
- 75. The company shall undertake some-economic developmental / community welfare activities as per the CSR Rules 2014.
- 76. The project authoraies shall earmank adequate funds to implement the conditions stipulated by SEIAA as well as GPCB. along with the implementation achedule for all the conditions stipulated herein. The funds so provided shall not be directed for any other purpose.
- 77. The applicant shall inform the public that the project has been accorded environmental clearance by the \$EIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely carculated in the region, one of which shall be in the Gujarab language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 78. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
- 79. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
- 80. Conceating factual data or submission of faise/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and altract action under the provisions of Environment (Protection) Act,
- The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
- 82. The SEIAA may revoke or suspend the clearance, if implementation of any of the above containers is not found satisfactory
- 83. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary
- 84. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final exproval of the project by the concerned authorities and the date of start of the project.
- This environmental clearance is valid for seven years from the date of asue.
- 86. Any appeal against this environmental clearence shall lie with the National Green Tribunar, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

With regards, Yours sincerely.

(G. J. DAVE) Momber Secretary

It swed to: Mr. Ashu Pareak, M/e. Grasim Industries Limited. Skyline Building, 3rd floor, Nr. Shital Guast House, Old NH-1, Bharuch-392002

Copy to:-

- The Secretary, SEAC, C/O. G.P.C B. Gendhinager 382010
- 2. The Chairman, Central Pollution Control Board , Parivech Bhavan, CBO -curn-Office Complex, East Arjun Nagar, New Delhi-110032
- The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopar-482016, MP
- Monitoring Cell, Ministry of Environment and Forests, Parysvaran Shavan, CGO Complex, New Dolhé-110003.
- The Member Secretary, Gujarat Pollution Control Board, Paryavaran Shavan, Sector-10 A, Gendh-nagar-382010

Select File.

MEMBER SECRETARY State Level Environment (SEIAA Gajarat) the Authority Guiarat Politicias transfel Bourd,

Sector-19-A, Ganasiangar-19

(G. J. DAVE) Member Secretary

Office : Gujarat Pollution Control Board. "Paryawaran Bhavan" Sector-10 A, Gandhinagar-382010 Phone No.:- (079) 232-32152,232-41114 Fax No. - (079) 232-22784

E-mail: msseiaaci@phail.com, Website: www.seiaa.gujarat.gov.in

S. M. SAIYAD, IFS MEMBER SECRETARY SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/1(d)/ 287/2019

Date: 7 4 FE8 2019

ByRPAD

Time Limit

Sub: Environment Clearance to M/s. Greatin Industries Ltd., for expansion of Captive Power Plant within the existing premises located at Plot No. -1, GIDC industrial Estate, P.O.-Vilayat, Tal: Vagra, Dist.: Bharuch, in Category 1(d) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/THE/289\$3/2017.

Dear 5r.

This has reference to your application along with EIA report dated 05/10/2018 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 and additional information / documents submitted vide letter dated 10/12/2018 to the SEAC

The proposal is for Environmental Clearance to Mrs. Grasum Industries Ltd., for expansion of Captive Power Plant within the existing premises located at Plot No.-1, GIOC Industrial Estate, P.O.-Vilayat, Ta.: Vagra, Dist.: Sharuch, It is an existing unit for manufacturing following, which falls in the category - 1(d) of the schedule of the EtA Noticeation-2006.

Sr.	Name of Product/Activity	Quantity, MT/Month		enth.	End-use of product
No.	Name of Productivity	Existing	Proposed	Total	ensuse or product
, 1.	Captive Power Plant (CPP)	95 MW	4 5 VIV	141 MW	Power Generation for Captive use

The project activity is covered in 1(d) and is of 'B' Category. Public hearing was conducted on 21/08/2018.

The SEAC, Gujarat vide their letter deted 21/01/2019 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 27/12/2018. The proposal was considered by SFIAA. Gujarat in its meeting held on 23/01/2019 at Ganchinagar. After careful consideration, the SFIAA haraby accords Environmental Clearance to above project under the provisions of EtA Notification dated 14th September, 2006 subject to the compliance of the following conditions

A. CONDITIONS:

A. 1 SPECIFIC CONDITION:

- Unil shall comply the emission slandards mentioned in the Notification by MoEF&CC vide no. S.C. 3305 (E) dated 07/12/2015 and amended type to time.
- Unit shall comply all the conditions stiputated in Coal Mancling Gujoelines published by GPCB.
- 3. The project proponent must strictly adhere to the sepulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority
- The National Ambient Air Quality Emission Standards issued by the Ministry vide C. S. R. No. 828 (E) dated 15th November, 2009 shall be complied with.
- Complete Zero Liquid Discharge [ZLD] status shall be maintained all the time for CPF.
- All measures shall be taken to prevent soil and ground water contamination.
- There shall be no crawage connection to discharge waste water from the premises.

A, 7 WA1! P 1

The fresh water requirement for the proposed expansion shall not exceed 14863 KL/day. Unit shall reuse 11689 KLD. [5870 KLD stewn condensate from boiler for Sotist make-up, 4518 KLD permeate from RO plant for cooling tower makeup, washing and DM plant 1301 KLD reject from RO plant for dust suppression to coal handling area (828 KLD), additional water requirement shall be obtained.

additional water shall be obtained.

Application of water shall be done and its records shall be maintained. No ground water shall be tapped in any case for fleeting the project requirements.

10 Unit shall reuse 5870 KLD of Boiler condensate for Boiler for B Sprinkling on fly ash (428 KLC) & Road cleaning(45 KLO)) within premises. Hence, fresh water requirement shall not

SEIAA Tagindustrial effluent generation after proposed expansion in power plant shall not exceed 6505 KLIday.

Shifting quantity of waste water shall be subjected to Primary ETP (Cap. 500 KLD X 2) followed by RQ plant.

Diperments (5204 KLD) shall be reused for cooling tower make-up (4000 KLD), washing (75 KLD), DM plant (443)

KLD) and gardening plantation (686 KLD) within premises.

Office: Gujarat Pollution Control Board, *Paryavaran Bhavan* Sector-10 A. Gandhiragar-192010.

Phone No ~ (079) 232-32152.232-41514 Fax No.:-(079) 232-22784 E-mail : msseiaagi@gmail.com, Website;- www.seiaa.gujarat.gov.in

Page 1 of 1

- RO reject (1301 KLD) shall be reused for dust suppression to coal handling area (828 KLD). Sprinkling on fly ash (428 KLD) & Road cleaning (45 KLD)) within premises.
- Complete Zero Liquid Discharge (ZLD) shall be maintained and there shall be no discharge of industrial effluent in any
 case.
- 16 Domestic wastewater generation shall not exceed 6.4 KL/day for proposed project and it shall be treated in STP. Treated sawage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.
- 17 During monsoon season when treated sewage may not be required for the plantation / Gardening / Green best purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
- Unit shall provide buffer water storage tank of adequate capacity for slorage of treated waste water during rainy days.
- 19 The unit shall provide matering facility at the inlets and collets of the collection cum reuse system of waste water and maintain records of the same.
- 20. The unit shall provide adequate effluent treatment plant (ETP) with RO system for treatment of industrial effluent and if shall be operated regularly and efficiently so as to achieve Zero Liquid Discharge (ZLD) for CPP by reusing entire waste water within premises.
- 21. The unit shall provide metering facility at the Inlet and outlet of the ETP & RO system and maintain records for the same.
- 22. Proper logibooks of ETP, chemical consumption, quantities and qualities of effluent reuse, power consumption etc. shall be maintained and shall be lumished to the GPCB from time to time.

A 3 AIR

Unit shall not exceed fuel consumption for Steam Boiler and stand-by DG set as mentioned below:

Sr	Source of emession	Stack	Name	Quantity of Fuel	Type of emissions	Air Pollution Control
no.	With Capacity	Height	of the	MTMr& MT/Day	i.e. Air Pollutants	Measures (APCM)
		(meter)	fuel			
	Exitting					
1	Boile: 1 & 2 (2 x 175 TPH)	125	Coal	100	\$PM, \$0 ₄ , NOx	ESP and Low NOx burners
Ż	Boiler 3 & 4 (2 x 175 TPH)	125		MT/ hr	SPM, \$05, NOx	ESP and Low NOx sumers
	Proposed					
3	Boller-5 (175 TPH)	125	Coal	29.16MT/hr	SPM, SO _{2,} NOx	ESP and Low NOx burners

- 24. Unit shall provide adequate APCM with flue gas generation sources as mentioned above
- 25. There shall be no process gas emission from existing as well as from the proposed project.
- 26. Sulfur and ash content of the fuel to be used shall be enalyzed and its record shall be maintained
- 27 A long term study of radio activity and heavy metals contents on coal/lignite to be used shall be certied on mough a reputed institute and results thereof analyzed regularly and reported along with monroring reports. The matter mechanism for an In-built continuous monitoring for radio activity and heavy metals in coal/lignite and thy ast (including bottom ash) shall be put in place.
- 28. Height of flue gas stacks attached to Bollers shall be minimum 125 meters.
- 29. A flue gas stack of 125 m height shall be provided with online monitoring system to existing Steam Boiler Marging emissions from stacks shall also be monitored on periodic basis.
- 30. High efficiency Electro Static Precipitators (ESP) with efficiency not less then 99.9% shall be installed for control of flue gas antission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, utilization of boller capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.
- Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute / organization.
- Lima stone injection technology shall be adopted to control SO2 and it shall be ensured that SC2 levels in the ambient air do not exceed the prescribed standards.
- 33. The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.
- 34 Online monitoring system shall be installed to monitor the SOx. NOx and SPM in the flue gas stack. An emergement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB on real time basis.
- Adequate storage facility for the fly ash in terms of closed siles shall be provided at site. No ash pend shall be constructed.
- Handling of the fly ash shall be through a closed pneumatic system.
- 37. Ash shall be handled only in dry state.
- 38. The unit shall strictly comply with the Fly Ash Notification under the EPA and it shall be ensured that there is 100% unitization of By ash to be generated from the unit.
- 39. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards

prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.

- All handling & transport of coal shall be exercised through covered coal conveyors only.
- Enclosure shall be provided at Coal loading and unloading operations.
- Water shall be aprinkled on Coal stock piec periodically to retain some moisture in top layer and also while compacting to reduce the fugitive emission.
- All transfer points shall be fully enclosed.
- Adequate dust suppression/extraction system at crusher house as well as for the Coal/Lignite stock yard and other vulnerable areas shall be provided to abate dust nuisance
- Accumulated coal dust /fly ash on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.
- Internal roads shaft be either concreted or asphalted or paved properly to reduce the fugitive emission during u**éh**icular movement
- Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
- Coal/Lignite shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only.
- A green bell shall be developed all around the plant boundary and also along the roads to mitigate (ugitive & transport dust emission.
- 40. Regular monitoring of ground level concentration of PM2.5, PM10, NOx, SO2, and Hg shall be carried out in the Impact. zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation. with the GPCB.

A. 4 SOLID / !!AZARDOUS WASTE:]

- 41. The company shall strictly comply with the rules and regulations with regards to handling and dispose of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
- Hazardous waste studge shall be packed and stored in separate designated hazardous waste storage facility with empervious bottom and leachate consumer security.

 ETP waste 8 spent resin shall be disposed off to authorized TSDF site.

*Discarded containers / barrels / bags / liners shall be sold only to the authorized registered recycler.

Addistror storage of fly ash, closed siles of adequate capacity shall be provided. No ash youd shall be constructed in the Atroject

Fly ash shall be supplied to the manufacturers of fly ash based products such as cement, concrete blocks, bricks, panels, etc. The unit shall strictly compty with the Fly Ash Notification under EPA and it shall be ensured that there is 100% utilization of tly ash to be generated from the unit

- 48. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/C-fWIF.
- 49 Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.

A. 5 SAFETY:

- 50. The project management shall strictly comply with the provisions made in the Factories Act, 1948 as well as Manufacture. Storage and Impact of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.
- 51 Necessary precautions like continuous monitoring of hot spots (ignited lightle) using temperature detection systems. water sprinklers, avoiding stacking of lignite near steam pipeline etc. shall be made for storing lignite to prevent fire
- 52. All the risk milligation measures, general & specific recommendations mentioned in Risk Assessment Report shall be implemented
- A well designed fire hydrant system shall be installed as per the prevailing standards.
- 54 Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised
- 55 First Aid Box and required antidotes for the chemica's used in the unit shall be made readily available in adequate. quantity at all the (imes
- 56. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
- 57 Flameproof fittings shall be provided in the plant area.
- Adequate fire fighting facilities shall be provided at the proposed power plant.
- 59 Proper vertilation shall be provided in the work area.
- 80 All transporting routes within the factory premise shall have paired roads to minimize splashes and appliages.

The project management shall prepare a detailed Disaster Management Plan (DMP) for the project as per the guidelines
from Directorate of Industrial Salety and Health.

A. 6 NO 55

- 62. To minimize the noise pollution the following noise control measures shall be implemented:
 - Selection of any new plant equipment shall be made with specification of low noise levels.
 - Manufacturers / suppliers of major noise generating machines / equipments like air compressors, fandar pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible before supply and installation to mitigals the noise generation and to comply with the national / international regulatory norms with respect to noise generation for individual units.
 - Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.
 - Noise suppression measures such as ancicoures, buffers and / or protective measures shall be provided.
 - Employees shall be provided with our protection measures like earplags or earmalis.
 - Proper olang, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation.
 - Construction equipment generating minimum noise and vibration shall be chosen.
 - Ear plugs and/multis shall be made computerry for the construction workers working near the noise generating activities / machines / equipment.
 - Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate.
 - Construction equipment meeting the norms specified by EP Act, 1986 shall only be used.
 - Noise control equipment and baffing shall be employed on generators especially when they are operated near the residential and sensitive areas.
 - Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment
- 53 The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acquaire insulation. Noods, silencers, endosures, vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection). Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

ALT GREEN BELT AND OTHER PLANTATIONS

- 64. The unit shall develop green belt within premises as per the CPCS guidelines. However, if the edequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.
- 65. Originarization / low-volume, low-angle sprinkler system shall be used for the green bell development within the premises.

 3. OTHER CONSTITUTE.
 - Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 03/08/2018.
 - 67. The provisions of the Solid Waste Management Rules, 2016, a-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.
 - 68. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
 - 69. All the recommendations, miligation measures, environmental protection measures and sateguards proposed in the project prepared by Anard Environmental Consultants Pvt. Ltc., Ahmedabed and commitment during presentation before SEAC, proposed in the EIA report shall be strictly adhered to in letter and spirit.
 - 70. All the recommendations of CREP guidelines as may be applicable from time to time shall be followed vigo of the commendations of CREP guidelines as may be applicable from time to time shall be followed vigo of the commendations of CREP guidelines as may be applicable from time to time shall be followed vigo of the commendations of the com
 - 71. A separate environment management cell with qualified staff shall be set up for implementation of the environmental safeguards.
 - 72. The project authorities must strictly adhere to the stipulations made by the Gujara: Poliution Control Board State Government and any statutory authority.
 - 73. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
 - 74. The above conditions will be enforced, inter-aka under the provisions of the Water (Prevention & Control of Pollution). Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wasles. (Menagement, Handling and Transboundary Movement). Rules, 2008 and the Public Liability Insurance Act, 1991 Mong with their amendments and rules.
 - 76 The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit,
 - 76. Unit shall comply provisions of MoEFCC's Q.M. No. 22-65/2017-IA,III dated 01/05/2018 regarding Corporate Environment Responsibility (CER). Fund allocation for Corporate Environment Responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein.

- 77 The project management shall ensure that unit complex with all the environment protection measures, risk mitigation. measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent
- 78. The project authorities shall earmark adequate funds to implement the conditions abputated by SEIAA as well as GPC8. along with the emplementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- 79 The approach shall inform the public that the project has been accorded environmental degrance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SE(AA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the degrance letter in at less) two local newspapers. that are widely circulated in the region, one of which shall be in the Sujarati tanguage and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 80. The project proponent shall also compty with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental profection and management,
- 81. It shall be mandatory for the project management to submit half yearly compliance report in respect of the stipulated prior onwronmental degrance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1s: December of each calendar year
- 82. Concealing factual date or submission of false/fabricated data and failure to comply with any of the conditions mentioned. above may result in withdrawe of this degrance and attract action under the provisions of Environment (Protection) Act.
- 83. The project authorities shall also adhere to the stipulations made by the Gujarat Poliction Control Board.
- 84. The SEIAA may revoke or suspend the desirance, if implementation of any of the above conditions is not found.
- 85 The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate. additional conditions, if the same is found necessary
- 86. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure. and final approval of the project by the concerned authorities and the date of start of the project.
- This environmental disarrance is valid for seven years from the date of issue.
- 88. Any appeal against this environmental degrance shall be with the National Green Tribunal, it preferred, within a period of 30 Jays as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 89. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment disarance cancelled.

With regards.

Yours gincerely,

(9 M. SAIVAD)

Member Secretary

Nissued to:

201 A (Ssue) io.

RiphNo. -1, GIDC Industrial Estate,

A. P.O.: Vilayat, Ta.: Vagra, Dist.: Bharuch

Office: Oujana Pollution Control Board. "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010.

Phone No :- (079) 232-32152,232-41514 Fax No :-(079) 232-22784 E-mail: msseiaagj@gmail.com, Website:- www.seiaa.gujarat.gov in

S. J. PANDIT, 168 (Retd.) MEMBER SECRETARY SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/1(d)&4(d)/ 764/2021

Date: 1 0 JUN 2021

ByRPAD

Time Limit
Sub: Environment Clearance to Mile. Grasim Chemicals Ltd. for expansion of setting up of Chier Athail Plant and Captive
Power Plant (CPP) at Plot No.4, GIDC Industrial Estate, Vilit Vitayat, Tith Vagra & Diet: Bharuch, Gujarat, In
Category 1(d)&4(d) of Schedule ennexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ#ND2/12124/2016.

Dear Sir

2 Contain $^{
m o}$

This has reference to your application along with EIA report dated 27/11/2028 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to MVs. Brastin Chambrata Ltd. for expansion of setting up of Chlor Alkali Plant and Captive Power Plant (CPP) at Plot No.-1, GIDC industrial Estate, VIII: Wileyat, Tall: Vilgra & Dist: Sharuch, Gujarat. It is a proposed an existing unit for manufacturing following products, which fells in the captegory - 1(d) & 4(d) of the schoolse of the EIA Noblication-2006:

8r.	Name of	CAS	Quantity (MT/4	lonth)	· · · · · · · · · · · · · · · · · · ·	End-use of the products
BD.	Products	80.7 0 1.	Expliciting	Proposed	Total '	The same that th
]1. 	Caustic Soda Lye	1310-73- .2	30418.87	12166.67	42583.33	Manufacture of pulp and paper, aldmine, soap and detergents, perforeur products and chemical production. Other approachion include water treatment, food,
2 //	fýdrogen	1333-74-	9519666.6T	3400668.67	44070202244	textile, metal processing mining, glass making and others
			(Mm²)	(Nam²)	1192333333 (Nm³)	Industrial application such to refining, treating metals and food processing. It is also used as alternate fuel in many industries.
	Liquid Chlorine / Sodium Hyperhlorie / Hydrochlorie Acid	7782-50-	27375	20885.93	48240 83	It is a disinfectant, it is used to freat drinking water and swimming pool water. It is also used to make hundreds of consumer products from paper to paints, and from textiles to insecticidas. About 20% of chionne produced is used to make PVC. It can be used Vinyts, Chioromethanes, CPW, Organics.

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B B.	Sodium Sulphate Captive Power Plant	7757-82- 0	141 MW	222.57 35 MW	222.57 176 MW	Sodium suifat e ia used fo dry organic liquids. As a filler in povidered home laundry detergents.
[- 	Aluminium Chlorida	7746-70-	2083.33	415.67	2500	It finds application in the chemical industry as a catalyst for Friedet-Crafts reactions, both acytotions and alkytations. If can be used in Agrochemical's, Pigments and Dyes, Pharma, Coating Industries

The project activity is covered in 1(d)& 4(d) and is of 'B' Category. Since, the proposage project is located in notified Industrial area, public consultation is not required as per paragraph 7(ii) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat vide their letter dated \$306/2821 fied recommended to the SEIGA. Gujarat, to grant the Environment Clearance for the above-mentioned project based on its mosting field on \$1/03/2021. The proposal was considered by SEIAA, Gujaral in its meeting held on 03/06/2024 at Gondhiniquer. After consideration, the SEIAA hereby seconds Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions:

A CONDITIONS

A TSPECIFIC CONDITIONS

- 1. All the issues reset in the earlier public hearing dated 21.08.2018 shall be comprehensively addressed / complied with in a time bound marmer.
- Total Sulphur content of fuel use in CPP shall not exceed 0.8% at any point of time.
- Transportation route ftg vehicles carrying Fly Ash and Coal shall have least minimum pass near human habitation.
- Unit shall comply Copt Handling Guidelines published by GPCB.
- 5. Project Proponent (PP) \$1/\$1 maintain Complete Zero Liquid Bischarge (ZLD) status all the time and there shall be no dramage connection from the prefiltest and wastewarter decharge outside premises by any means for CPP all the time.
- 6. Unit shall metall CEMS [Continuous Emission Monitoring System] in line to CPCS directions to all SPCS vide latter no. 8-29015/04/08PCI-1/5401 dated 05/02/2014 for efficient discharge and air emission as per pollularits discharge/enrission. from respective project and an arrangement shall also be done for reflecting the online monitoring results on the company's astver, which can be assessable by the GPCB/CPCB on real time basis. (For Small/Large/Medium (Red Calegory) & Whichever (Air emission & Efficient discharge) is applicable).
- 7. PP shall pursue health check-ups of the workers on regular basis and shall provide edequate personal protective equipments:
- Unit shall comply the emission standards mentioned in the Notification by MoEFECC wide no. S.O. 3305 (E) deled 07/12/2015 and amended (Imp to time.
- 9. Transportation route for yellicles carrying Fty Ash and Cost shall have least minimum pass near human habitation.
- Suffix and ash content of the fuel to be used shall be analyzed and its record shall be maintained.
- 11. A long term study of radio activity and heavy metals contents on coalifignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in contriguity and fly ash (including bottom sch) shall be put in clace.
- 12. A five gas stack of 125 m height shall be provided with online monitoring system to proposed Steam Boiler. Marcury emissions from stacks shall also be monitored on periodic basis.
- 13. High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCS norms. The control system shall be designed and integrated in plant OCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, uttization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified



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standards or boser shall shut down lotally

- 14. Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute / organization.
- 15. Lime stone injection technology shall be adopted to control SO2 and it shall be ensured that SO2 levels in the ambient air do not exceed the prescribed standards.
- 16 The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company
- 17 The PP shall develop green belt within premises and nearby villages (15#057.21 Sq. m i.e. 33 % of the total plot area) as committed before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.

18. Safety & Hearth

- a) PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.
- b) PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujaral Fire Prevention and Life Safety Measures Act, 2016.
- c) PP shall carry out mock drift within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.
- d) PP shall install adequate fire hydrant system within premises and separate storage of water for the same shall be ensured by PP.
- e) PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labour within premises.
- Flame proof electrical filtings shall be provided in the plant premises, wherever applicable.

Anzi WATER :

- 19 Total water requirement for the project shall not expeed 24.768 KLD, Unit shall reuse 13,488 KLD of treated industrial effluent within premises. Plence, tresh water requirement shall not exceed 11,280 KLD and it shall be met through GIDC water supply only. Prior permission from the concarned authority shall be obtained for withdrawal of water.
- 20 The industrial effluent generation from the project shall not exceed 8,313 KLD.
- 2. 8,313 KLD. Iolal industrial effluent shall be treated in ETP consists of primary, secondary & tertiary treatment units. Out of 63.13 KLD, treated effluent, 600 KLD shall be disposed into deep sea, 7713 KLD shall be treated in RQ Plants.
- \$2 5566 KLD, RO permeate shall be roused within premises and 606 KLD, RO permeate shall be reused for gardenerg/plantageon.
 - : 1301 KLO. RO reject shall be used in coal yard, dust/ ash suppression and road cleaning and 140 KLD. RO reject shall be treated in MEE followed by ATFD: 112 KLD. MEE condensate shall be reused within premises.
- Cornestic wastewater generation shall not exceed 129.40 KL/day for proposed project and it shall be treated in STP. It shall not be disposed of into soak pit. Treated sawage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.
- 25 During monagon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
- 25. Unit shall provide buffer water storage lank of adequate capacity for storage of beated waste water during rainy days.
- 27. The unit shall provide metering facility at the inlet of ETP, MEE, STP and RO and maintain records for the same
- 28 Proper togbooks of ETP, MEE, STP and RO; chemical consumption in effluent treatment, quantity & quantity of treated effluent, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.

ABAIR:

29. Unit shall not exceed fuel consumption for boilers, Flaker Plant and D G Sets as mentioned below:

NO.	No Vent attaches No TING Flue Gas Emission	Type & Quantity of Fuel	Height of the Stack/ Vent (m)	Expected Emission	Air Polluhen Control Measures
1.	Bowler 1 S 2	Coal 100 MT/hr]	125	P49 SC ₂ NO ₂	ESP and Low NOx Burners
2.	Boiler 3 & 4		125	PM SO ₂ NO ₇	ESP and Low MOX Burners
3.	Baler-5 (175 FPH)	Coal [29.16 MTmr]	125	PM SO ₂ NO ₃	ESP and Low NOx Burners

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4.	2)	(400 M/hr. each)	36	PM 5O ₇ NO ₂	NA.
5	D.G. Sets (750 KVA s 3) H\$0 [200 Mmr. each)		PM SO ₂ NO ₂	-
6.	O.G. Sets (1875 KVA x 2)	HSD [400 lil/hr. each]	31	PM SO ₂ NO ₃	
PK	POSED Flue Gas Emissi				
1.	Boiler - 6 (250 TPH)	Соа/ (42 МУфи)	125	PM SO ₂ NO ₂	ESP and Low NOx Burnare
2	D.G. Sets (1875 KVA v 1)	HSD J400 Whr each)	36	PM SO ₂ NO ₂	NA.
3.	Flaker Plant	Hydrogen [447.3 kg/hr.]	40	PM \$0 ₇ NO ₂	NA .

30. Unit shall provide adequate APCM with flue gos generation squites as memoried above:

31. Unit shall provide adequate APCIA with process gas generation sources as mentioned below:

_		EXI	<u>STING Process</u> Ga	\$ Emission	
1.	Sodium Hypo Slack I (Caustic Plant)		35	Cŀ.	Alkali Scrubber
2.	MCI stack 1 (Caustic Plant)		35	HCI	Water scrubber having
3	HCJ stack 2 (Causino Plant)		35		bubble cap tray absorption system.
4.	Poly Alemanum Chloride		35	HCI	Water scrubber system
	plant			ĊIĮ	
5.	Chlorinaled Paraflin		35	HCI HCI	Alkalı scrubbing system
Ġ.	Aluminum Chloride	—– <u>.</u>	· ₃₅ —		<u> </u>
7.	Stable Bleeching			Ci ₂	Alkali sombbing system
	Powier		35	HÇI	Alial scrubbing system
8.	Sodium Hypo Stack 2 : (Caustic Plant)		35	Cly Cr2	Alkale Scrubber
.6	HCI slack 3 (Causho Plant)	<u>-</u>	35	HĊI	Water scrubber having bubble cap tray absorption
10	HCI stock 4 (Caustic Ptant)		35		System
11	Poly Aluminum Chloride. Liquid		35	HCI	Water scrubber system
12.	Poly Alemenem Chloride Powder		35	Cly	3 stage Water acrobber system
13.	Chlorinated Paradin Plant	<u>-</u>	35	HCI	Alkali scrubbing system
4.	Alum Total Obligation	L		Cl₂	
٦.	Aluminum Chloride	- [35	HCI	Alkah scrubbing system
_	Ôs-te- pro-			Ch	
5.	Stable Bleaching Powder	- j	35	HCI	Alkali scrutining system
				CO2	
			Proposed Not any		

37 The fugilité emission in the work zone environment shall be montored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Salety & Health). Following indicative guidelines shall also be followed to reduce the fugilitie envisaon.

> Internal roads, shall be either concreted or asphalled or paved properly to reduce the fugility emission during

vefacular movement.

- Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
- A green bett shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
- 33. Regular moreloring of Votatile Organic Compounds (VOCs) shall be carned out in the work zone area and ambient air.
- Regular moviloring of ground level concentration of PM10, PM2.5, SO2, NOx, HCl, Cl2 and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If all any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

A 4 SOLID (HAZARDOUS WASTE)

35. All the hazardous waste management shall be taken care as mentioned below

Sr. no.	Type/Name of Hazardous waste	Specific Source of generation	Category and Schedule	WH (munnA/TM) box		Management of HW	
	<u>L</u> .	(Name of the Activity, Product etc.)	as per HW Rules.	Enisting	Proposed	Total	1
1 "	ETP Sludge	EIP	35 3	1524,50 MT	2557 MT	4081 \$ MT	Will be collected, stored, transported & Disposed at authorized TSDF site
2	Scient Resin	From Chlor Alkali Plani	35 2	0.42 MKT	, 0-33 ML	0.75 MT	Will be collected, stored, fransported & Disposed at designated Chtwiff site
3	Sperii Carbon	From Chlor Alkali Plant -	36.2	1) 23 MT	0-07 MT	0.40 MT	Will be collected, stored, stored, iransponed 3 Disposed at designated Chyvin see
4	Used On	From Jubacation or D. G. Set	51	128 KL	100 KL	228 KL	While be sollected, stored and sold to authorized recycler.
5	Olscarded Containers	From Manufacturing	33.1	1680 Nos.	318 Nos	1998 Nos	Will be onlighted, deconfamination, stored and
<u>6</u>	Discarded Bags/ Liners	From Manufecturing	33.1	41 8 MT	54.2 MT	96 MT	reused/ sold to authorized recyclor
7	Diule Sulphuric Acid (75%- i88%)	From Chlor-Alkali Plant	B-15	O MT	11,590 MT	11.500 MT	Collection, storage transportation and will be sold to Authorized actual users having Rule 9 permission

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6	Brine/ process Sludge	-	5066 MT	2934 MT	9000 A1T	Wife be collected, stored, introsported & disposed off to secured landfill site.
9	Fly Ash	7. 7.	111600 M7	27702 MT	139302 MT	Sold by ash to M/s. Anmol & Co., J X Latishmi Cement, Ambuja Cement

- 36. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Westes (Management and Transboundary Movement) Rules 2016.
- 37. Doi: shall explore the possibilities for environment (riendly methods like co-processing of hazardous waste for disposal of incinerable & land tilloble wastes before sending to CHWIF & TSDF sites respectively.)
- 38 The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
- 39. Hazardous waste sludge shall be packed and slored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal.
- 40 Adequate storage facility for the fly ash in terms of closed sitos shall be provided at site. No ash pond shall be constituted Handling of the fly ash shall be through a closed philumetic system. Ash shall be handled only in dry close.
- 41 The Ry ash shall be supplied to the manufacturers of My ash based products such as cement, concrete blocks bricks, panels, etc. The unit shall strictly comply with the Pty Ash Notification under EPA and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

A. SOTHER:

- 42. The project proponent shall allocate the separate kind of Rs. 2 18 Crore as committed before SEAC. The entire activities proposed under CER shall be part of the Environment Management Ptan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30 09 2020. This shall be imported and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the Ordrict Collector. The monitoring report shall be posted on the website of the project proponent.
- 43. All the recommendations, maligation measures, environmental protection measures and saleguards proposed in the property proposed by Anand Environmental Consultants Pvi. Ltd. Attended and submitted by gives proposed and commitments made during presentation before SEAC and proposed in the EtA report shall be added to in letter and spirit.
- 44 The provisions of the Solid Woole Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction Osmoldion Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.
- 45 In the event of failure of any pollution control system adopted by the unit, the unit shall be safety closed down and shall be restanted until the desired efficiency of the control equipment has been achieved.
- 46 The project authorities must strictly adhere to the stipulations made by the Gujeral Pollution Control Soard (GPC8). State Government and any statutory authority.
- 47. No further expension or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
- 48. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollubon). ACL, 1974, Air (Prevention & Control of Pollubon). Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 49. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy)". Rules, 2014" and its amendments from time to time in a letter and spint.

a.general conditions

8.4 CONSTRUCTION PHASE:

- 50. Water demand during construction shall be reduced by use of during agents, super plasticizers and other best construction practices.
- 51 Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.

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- 52. All required sandary and hygienic measures shall be provided before starting the construction activities and to be maintained shroughout the construction phase.
- First Aid Box shall be made readily available in adequate quantity at all the times.
- 54. The project proponent shall strictly compty with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujaral rules made there under and their subsequent amendments. Local bye-faws of concern authority shall be compiled in letter and spint.
- 55. Ambient noise levels shall conform to residential standards both during day and right. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.
- 56 Use of Diesel Generalor (DG) sets during construction phase shall be strictly equipped with according and conform to the EPA Rules for air and noise emission standards.
- 57. Safe disposal of waste water and municipal solid wastes generaled during the construction phase shall be ensured.
- 58. All topsoil excerated during construction activity shall be used in horticultural / landscape development within the project site
- 59 Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary procedures for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighboring communities.
- Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RAIC) and lead free paints in the project.
- 61 Fity ash shall be used in construction wherever applicable as per provisions of Fity Ash Notification under the E.P. Act. 1986 and its subsequent emendments from time to time.
- 62. "White breaker of appropriate height i.e. 1/3rd of the bredding height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with bardcades.
- 63 "No uncovered vehicles carrying construction material and waste shall be permitted."
- 6a "No locse soil or sand or construction & demosition waste or any other construction material shall cause dust shall be tell uncovered. Uniform pring and proper storage of sand to avoid fugitive emissions shall be ensured."
- Roads leading to or at construction site must be paved and blacktopped (i.e. metallic roads).
- 66. No excavation of soil shall be carried out without adequate dust magation measures in place
- 67. Ous: maigation measure shall be displayed prominently at the construction she for easy public viewing
- Gridding and culting of busing materials in open area shall be prohibled.
- 69. Construction material and waste should be slored only within earmarked area and road side storage of construction material and waste shall be prohibited.
- 70. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable)

.2 OPERATION PHASE:

WATER:

] The water meter shall be installed and records of daily and monthly water consumption shall be maintained.

All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall committeet strive to reduce, recycle and reuse the treated efficient.

2-2 AIR:

- 73 In case of use of spray dryer, the unit shall provide the adequate 8 efficient APCMs with spray dryer so that there should not be any adverse impact on human health 8 environment. Unit shall carry out third party mountaining of the proposed Spray dryer 8 it's APCM through the cradible institutes and study report for impacts on Soveronment and Human Mealth shall be submitted to GPCB every year along with half yearly compliance report.
- 74. Acoustic enclosure shall be provided to the DG sets (If applicable) to mulgate the noise pollution and shall conform to the FPA Rules for air and noise emission standards.
- 75. Stack/Vents (Whichever is applicable) of adequate neight shall be provided as per the prevailing norms for the gas emission/Process gas emission.
- 76 Flue gas emission & Process gas emission (if any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
- 77. All the reactors I vessels used in the manufacturing process shall be closed to reduce the fugdive emission.

9(2.3 HAZARDOLS:SOLID WASTE:

- 78. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transported Novement) Rules 2016, so may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
- 79 Hazardous wastes shall be dired, packed and stored in separate dosignated hazardous waste storage leadity with pucca-

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- bottom and leachate collection facility, before 4s disposal
- 60. The unit shall obtain necessary permission from the nearby TSDF site and CHMF. (Whichever is applicable)
- 81 Trucka/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vohicle Act, 1966, and rules made there under.
- 82. The design of the Trucks/tankers shall be such that there is no spillage during transportation.
- 83. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHW/F
- 84. Management of fly ash (if any) shall be as per the Fly ash Notification 2009 & its amendment time to true and it shall be ensured that there is 100% utilization of by ash to be generated from the unit.

BIZ.4 SAFLIY:

- 85 The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963
- 66. The project authorities shall shirtly comply with the provisions made in Manufacture. Storage and Import of Hezerdous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-ste Disaster Management Plans have to be prepared and implemented.
- 87. Main entry and exit shall be separate and dearly marked in the facility
- 88. Sulficient peopheral open passage shall be kept in the margin area for free movement of fire lender/ emergency vehicle around the premises.
- 89. Storage of flammable chemicals shall be sufficiently away from the production area.
- 90. Sufficient number of tire extinguishers shall be provided near the plant and stocage area
- 91. Alt necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
- 92. All the twoicfnazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities
- 93 The project management shall ensure to comply with all the unvironment protection measures, risk mitigation measures and safeguards memioned within Risk Assessment report.
- Only flame proof electrical filtings shall be provided in the plant premises.
- 95 Storage of hazardous chemica's shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single targe capacity tank / containers.
- 96. All the storage tanks shall be filled with appropriate corners to avoid any leakages. Bundidyke walls shall be provided for storage tanks for Hazardius Chemicals.
- 97. Handling and charging of the chemicals shall be cone in closed manner by pumping or by vacuum transfer so that manipular human exposure occurs.
- human exposure occurs.

 98 Tre up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergen
- 99. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
- 100 First Aid Box and required Antidoles for the chemicals used in the unit shalf be made readily available in adequations.
- 40.1 Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
- 102. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
- 103. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
- 104. The company shall implement all preventive and miligation measures suggested in the Risk Assessment Report
- 105 Necessary permissions from various statutory authorities like PESO. Factory Inspectorate and others shall be obtained prior to commissioning of the project.

B.2.6 NOIS 5:

106. The overall noise level in and around the plant area shall be kept with within the standards by providing noise control measures including engineering controls like accustic insulation hoods, stencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

B.26 CLEANER PRODUCTION AND WASTE MINIMISATION.

- 107. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the companies shall be furnished to the GPCB.
- 108. The company shall undertake various waste minimization measures such as
 - a Metering and control of quantiles of active ingradents to minimize waste
 - b. Reuse of by-products from the process as raw materials or as raw materials substitutes
 - c. Use of automated and close filing to minimize spriages.

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- d. Use of close feed system into batch reactors.
- Venting equipment through vapour recovery system.
- Use of high pressure hoses for cleaning to reduce westewater generation.
- g. Recycling of washes to subsequent batches.
- h Recycling of sleam condensate.
- Sweeping / mopping of floor instead of floor washing to avoid efficient generation.
- Régular preventive maintenance for avoiding teakage, spillage etc.

B 2.7 GREEN BELTIAND OTHER PLANTATION:

- The unit shall develop green bell highin premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road siries and surfative open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.
- 110. Only irrigation flow-volume, low-angle spankler system shall be used for the green belt development within the premises.

BUILDING STHER CONDITION

- Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MicEF&CC vide no. F. No. 22/34/2018/4A.ItI dated 09/08/2018 for Pharmaceutical and Chemical industries merboned at (Sr. no. XX).
- 112. The project proportion shall allocate the separate fund for Corporate Environment Responsibility (CSR) in eccordance to like MoEFCC's Office Memorandism No. F.No.22-65/2617-tA illi dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC sells part of half-yearly compliance report and to district collector. The momentum report shall be posted on the website of the project proponent.
- 113 Rem water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pro-hostment must be done to remove suspended matter.
- 114. The unit shall join and participate financially and technically for any common environmental tackly / intrastructure as and when the same is taken up either by the industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govi / GIDC.
- Application of solar energy shall be incurporated for #Armination of common areas, lighting for gardens and street lighting in addition the provision for solar water healing system shall also be provided.
- ETG. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
- FIT All the communicate if undertakings given to the SEAC curing the appraisal process for the purpose of environmental protection and management shall be stocily adhered to:
- The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.
- in the event of failure of any poliution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- 120. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB). State Government and any statutory authority.
- 121. During material transfer there shall be no sprilages and garland drain shall be constructed to avoid mixing of accidental sprilages with domestic wastewater or storm water.
- 122. Pucca flooring / impervious tayer shall be provided in the work areas, chemical storage areas and chemical handling areas, to minimize soil contamination.
- Tel: bushages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly
- 124 No further expansion of Wodifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
- 125. The above conditions will be enforced inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1985, Mazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 176 The project proponent shall comply all the conditions mentioned in "The Compenses (Corporate Social Responsibility Policy) Rules, 2014" and its emendments from time to time in a letter and epirit.
- 127 The project management shall ensure that unit compiles with all the environment protection measures, risk mitigation measures and saleguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
- 128 The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPC8 plang with the implementation schedule for all the conditions stipulated heralin. The funds so provided shall not be devened for any other purpose.

AA)

Office : Gujarat Pollution Control Board, "Paryavaran Bhavart" Sector-10 A, Gendhinager-382010 Poge 9 of 10

Phone No. - (079) 232-32152,232-41514 Fax No.:-(079) 232-22734 E-mail: masciangi@gmail.com, Website: - www.sciea.gujneat.gov.in

- The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely calculated in the region, one of which shall be in the Gujarah language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 130 k shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in solt copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
- 131. Concealing factual data or submission of false/labricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- 132. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Soard.
- 133 The SEIAA may revoke or suspend the dearance, if implementation of any of the above conditions is not found satisfactory.
- 134. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stepulate additional conditions, if the same is found necessary
- 135 The project authorities shall inform the GPCR, Regional Office of MoEF and SEMA about the date of financial clusure and final approval of the project by the concerned authorities and the date of start of the project.
- 136. This environmental degrance is valid for seven years from the date of issue.
- Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 138 Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

With regards,

Yours sincerely.

(5. J. PAND(T)

Member Secretary

/sswed to: Grasim Chemicals L(d.

Piot No.-1, GIDC Industrial Estate

Vill: Vilayaı, Tal: Vagra Dist Bharoch, Gujarat SEIAA SEIAA

Office: Gujarnt Pollution Control Board, "Paryawaran Shavart" Sector-10 A, Gandhinugar-382010 Page 10 of 10
Phone No.:- (079) 232-32152,232-41514 Fax No.:-(079) 232-22784
E-mail: nusseiangi@gmanl.com, Websire;- www.seian.gujarat.gov.in

ANNEXURE 2 9/5/22, 12:10 PM



भारत सरकार/Government of India

वाणिज्य और उद्योग मंत्रालय/Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो) /Petroleum & Explosives Safety Organisation (PESO) आठवी मंजिल, यश कमल बिल्डींग, सयाजी गंज

वडोदरा- 390020 8th Floor, Yash Kamal Building, Sayajigunj, Vadodara - 390020

ई-मेल:/E-mail :

dyccebaroda@explosives.gov.in

दिनांक/Dated : **02/09/2022**

फोन / फ़ैक्स नंबर:/Phone/Fax No : 0265 -

2225159

अनुज्ञप्ति सं./No : S/HO/GJ/03/1445(S52646)

सेवा में/To.

M/s. Grasim Industries Limited,

Plot No.1, GIDC Vilayat Industrial Estae,,

Vilayat Taluk Vagra,

Vilayat, Bharuch, Taluka: Vagra, **District: BHARUCH,** State: Gujarat PIN: 392140

विषय :/Sub : Plot No, 1, GIDC Industrial Estate, Vilayat Taluk Vagra, Bharuch, Taluka: Bharuch, District: BHARUCH, State: Gujarat, PIN: 392140 स्थित CHLORINE, गैस के संपीडित पात्र / पात्रों में भंडारण के लिए स्थिर एवं गतिशील दाब पात्र (अज्वलित) नियम, 2016 के अधीन स्वीकृत अनुज्ञप्ति संख्या S/HO/GJ/03/1445 के नवीनीकरण संबंध में /Storage of NCHLORINE gas in pressure vessels at Plot No, 1, GIDC Industrial Estate, Vilayat Taluk Vagra, Bharuch, Taluka: Bharuch, District: BHARUCH, State: Gujarat, PIN: 392140 - Licence No: S/HO/GJ/03/1445 grant in form LS-1A of SMPV(U) Rules, 2016-Renewal of **Licence Regarding**

महोदय/Sir(s),

कृपया आपके दिनांक : 02/09/2022 के पत्र संख्या: NIL का संदर्भ ग्रहण करें I/Please refer to your application No.NIL dated 02/09/2022.

अनज्ञप्ति संख्या : S/HO/GJ/03/1445 का नवीकरण दिनांक 30th सितंबर 2027 तक कर इसके साथ अग्रेषित की जा रही

Licence Number: S/HO/GJ/03/1445 is renewed and is valid upto 30th September 2027 is forwarded herwith.

दिनांक 30/09/2027 . से आगे अनुज्ञप्ति नवीनीकरण हेतु उपरोक्त नियम के नियम 55 के प्रावधानों का पालन किया जाएं । विलंब शुल्क से बचने हेतु शुल्क के साथ मूल अनुज्ञप्ति तथा अन्य दस्तावेज अधिकतम दिनांक : 30 सितंबर, 2027 तक The Jt. Chief Controller of Explosives, Vadodara Circle, Vadodara में जरूर पहुंच जाने चाहिए ।

The provisions of the Rule 55 of the above said rules shall be followed for further renewal of the licence beyond 30/9/2027. The renewal application along with fees, Original licence and other documents shall reach in the Office of The Jt. Chief Controller of Explosives, Vadodara Circle, Vadodara, latest by 30th September, 2027 to avoid late fee.

कृपया अनुज्ञप्ति प्राप्ति की पावती दें ।/Please acknowledge the receipt of the licence.

भवदीय/Yours faithfully,

((गणेश आर.) (GANESH R.)) उप विस्फोटक नियंत्रक Dy. Controller of Explosives कृते संयुक्त मुख्य विस्फोटक नियंत्रक For Jt. Chief Controller of Explosives वडोटरा/Vadodara

(For more information regarding status, fees and other details please visit our website http://peso.gov.in)

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भारत सरकार /Government of India

वाणिज्य और उद्योग मंत्रालय/Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन /Petroleum & Explosives Safety Organisation (PESO) आंठवी मंजिल, यश कमल बिल्डींग, सयाजी गंज वडोढरा- 390020

8th Floor, Yash Kamal Building, Sayajigunj, Vadodara - 390020

ईमेल/E-mail:

dyccebaroda@explosives.gov.in

दूरभाष/Phone/Fax No : 0265 - 2225159

दि/Dated : **27/07/2022**

सं/No: G/WC/GJ/06/1803(G34271)

सेवा में/To,

M/s. Grasim Industries Limited,

5 & 6, 3RD FLOOR, SHREE MANGALAM COMPLEX,,

KASAK CIRCLE City: BHARUCH, District: BHARUCH State: Gujarat Pin: 392002

विषय/Sub Plot No: 1, GIDC INDL. ESTATE, Village/Town: VILAYAT, City: Bharuch, Taluka: Vagra, District: BHARUCH, State: Gujarat, Pin: 392140 - में सिलेंडरों में CHLORINE गैस का भंडारण- गैस सिलेंडर नियम, 2016 के अंतर्गत नवीकरण के बारे में/Storage of CHLORINE gas in cylinders at Plot No: 1, GIDC INDL. ESTATE, Village/Town: VILAYAT, City: Bharuch, Taluka: Vagra, District: BHARUCH, State: Gujarat, Pin: 392140 - under Gas Cylinders Rules, 2016 - Renewal regarding.

Sir(s),

कृपया आपके दि. 13/07/2022 के आवेदन सं. **OIN1101712** का संदर्भ ग्रहण करें/Please refer to your application No.**OIN1101712** dated 13/07/2022 .

30th September 2032 तक विधिमान्य अनुज्ञप्ति संख्या **G/WC/GJ/06/1803** इसके साथ नवीकरण कर अग्रेषित की जा रही है।/ Licence Number: **G/WC/GJ/06/1803** is renewed and valid upto 30th September 2032 is forwarded herewith.

कृपया नोट करें कि गैस सिलेंडर नियम, 2016 के नियम 55(5) के अनुसार, अनुज्ञप्ति के पुनः नवीकरण हेतु आवेदन, इस कार्यालय को इस अनुज्ञप्ति की वैधता समाप्त होने के पूर्व (दिनांक 30 सितम्बर 2032 को या इससे पूर्व) जमा कर दें । दिनांक 30 सितम्बर 2032 के पश्चात परंतु दिनांक 30 सितम्बर 2033 से पूर्व प्राप्त नवीनीकरण आवेदन, गैस सिलेंडर नियम, 2016 के नियम 55(7) के अनुसार विलंब शुल्क के साथ ही विचाराधीन होगा । दिनांक 30 सितम्बर 2033 तक कोई नवीनीकरण आवेदन प्राप्त नहीं होने की स्थिति में यह अनुज्ञप्ति स्वतः निरस्त हो जाएगी । /Please note that application for renewal of the licence should be submitted so as to reach this office before the licence expires (i.e. on or before 30th September, 2032) as required under Rule 55(5) of Gas Cylinders Rules, 2016. Application for renewal of licence received after 30th September, 2032 but not later than 30th September, 2033 shall be considered only with late fee applicable vide Rule 55(7) (a)(b) of said Rules. The licence will automatically expire if no application is received upto 30th September, 2033.

कृपया इस पत्र की प्राप्ति की पावती दें । /Please acknowledge the receipt of the same.

भवदीय/Yours faithfully,

((गणेश आर.) (GANESH R.)) उप विस्फोटक नियंत्रक Dy. Controller of Explosives कृते संयुक्त मुख्य विस्फोटक नियंत्रक For Jt. Chief Controller of Explosives वडोदरा/Vadodara

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भारत सरकार/Government of Index वाणिज्य और उद्योग संभागभाशांशांशांश of Commerce & Industry वहाजियम तथा विस्काटक सुरक्षा सगरेन (पेस्र) Petroleum & Explosives Safety Organisation (PESO) आंठवी मंजिस, यहा कमन विस्तीम, समाजी कंज वहादरा- 380020

8th Floor, Yash Kamal Building, Sayajiyam), Vadodara • 390020

ई-तेल E-mai dyccebaroda@explcsives.gov.in

कोमा / फ्रेंगरा जन्म /Phono/Fax No. 0248 - 2225459

दिनांक•Daled : 26/02/2018

जब करिन संग्राभक : S/HO/GJN03/1445(\$62646)

PIN. 382140

सेवा/में/То,

M/s. Grasim Industries Limited, Plot No 1, GIDC Vilayat Industrial Estae.. Vilayat (aluk Vagra, Vilayat, Bharuch, Takka, Vagra, Dismot, BHARUCH, Staio: Gujarat

.2 8 FEB 2018

निक्य ाहेको । Plot No. 1. GEO Industrial Estate, Vilayar Taba. Vagra. Olstrock: BHARJCH, State: Gujarat, Pik: 698999 जिया CHLORINE, मेंस के संपीतित पात । पार्ज में संस्थाप के लिए निधार एव स्थितिक दाव पात (अज्यविक्ष) सियम, 2016 के अधीन स्वीकृत सबुजित रुख्या SIHO/GJR03/1445 के नवीनीकरण संबंध में /Storage of NCHLORINE gas in pressure vessels अ Plot No. 1. GIDC Industrial Estate, Vilayar Taluk Vagra, District: BHARUCH, State: Gujarat, PIN: 999899 - Licence No. 38HO/GJR03/1445 grant in form LS-1A of SMPV(U) Rules, 2016-Renewal of Licence Regarding

महोदय/Sin(s).

कृषया आपके दिलांक , 08/02/2018 के पर मंद्रया OIN181822 कर मंटर्स गरूण को ।:Please refer to your application No CMN181822 dated 08/02/2018

अनुज्ञाप्ति अंख्या - \$840,00,003/1445 का नवीकरण दिनांक 30% मितंबर 2022 तम कर इसके साथ अग्रेषित की जा रही हैं । Unance Number: \$740,05,00,01445 is renewed and is valid upto 30th September 2022 is forwarded herwith

दिनांक 30x09/2022 . से आज अनुजयित नदीनीकरण हेतु उपरोक्त नियम के जियम 55 के प्रविधानों का पायन किया जाएं । विलंब शुल्क से बचने हेतु शुल्क के साथ मूल अमुभयित तथा अन्य टस्तावेज अधिकतम दिनांक : 20 सितंबर, 2022 तक The Dy. Chief Controller of Employings, Vadoders में उसमें पहुंच जाने चाहिए 1

The provisions of the Rule 55 of the åbove sald rules shall be followed for Nather renewal of the licence beyond 30/9/2022. The renewal application along with fees, Original licence and other documents shall reach in the Office of The Dy. Chief Controllor of Explosives, Vadodora, latest by 30th September,2022 to avoid late fee

कृपसा अनुजयित प्राप्ति की पाष्टती हैं, UPINASA acknowledge the receipt of the idence

अवदेखशauis faithfully,

((रजर्मीक चिवलानी) (Rajavsh Piptani)) उप मुख्य विकासकेटक निवपक Cy, Charl Controller of Explosives काहिरा/Vadodara

(For more information regarding status, tees and other details please visit our website tittp://peso.gov.in)



FORM LS-1A-TAY - UPUTI-14: (See Rules 50, 61, 54 and 55)(मियम 50 , 51, 54 और 48 देखें)

Legence to Stone Compressed gas in pressure vessel or vessels sin and quantil में अभीदित नीह स्टब्स्टाकरण के दिए अनुसरित

और FUNEAU RE **(800**0)

अगारकीय स्थानकारक No. : \$800/04/03/14/45/\$62648)

Licence is hereby granted to Gracie Industries (amiter), Plot Mr. 1, GADC Vilayet Industries Papers, Vilayer Telus Vagra, Vilayer, Bharrech, Tabuta: Yagra, District: SHAPUCH , State Gijam PM; 3021-0 maid only to the scorage of companies gas in 6 Number(s) of pressure versels as indicated below in the Heatted pramises described below and shows in the plan No.3-NG/GUID/Mad(\$3525-0) dated 20/07/2016 watgets to the provisions of the fedien Explication Act, 1684 [4]

of 1986) and the rules made thereonites and to the further conditions of this literate.
If Graşka Industries Limited, Plot No.1, GIDC Villayer Industrial Estate, Villayer Tabuk Vagra, Villayer, Estate Charles Taluka, Vagra, District SMARUCH , State: பெற்கா Pin: 202740 44 அம் எடுக் குறுக்கு விருக்கு இரு இருக்க அதற்ற நடிக்கு 2005200 நடிகள் 2005200 சி வருக்க இருக்கும் அடுக்கும் வருக்கு இருக்கும் அருக்கும் அருக்கும்

aj और इसके अभीत क्रमाए सर विकर्त तथा इस उन्तुमतित की अन्य कर्मी पर 6 हम पात्र भगति में समीतित केस से समझ्यान के लिए जनुमन्ति केसे की कारी है। न्द्र अनुवन्ति 10 विजंबर 2022 कर प्रकृत रहेगे। The Licence Shaff remain in Joice 18 the 30th September 1022

Vessel No विक्रम ज्या	Name of Gasमोल का अवस		cubic mountain क्ष्मता (श.मी.)	व्यक्तिक रेत्रर	दिश्वताहिए दिश्वतको in kga(Lkpailkd gas)/विकारित में सभी सादः (जिनिक्बाह्य में सेने)
1400 A	CHI OPINE	Liquified	100,00	13 033	411000
1409 B	CHLORINE	Liquidied .	160.00	13 733	11/4000
1409 C	CHLORINE	Liquided		13.993	11/000
1409 0	CHLORINE	Licuilled		13033	Ĥ40 00
	CHLORINE	Leuñel	100 00	113,000	114000
1409 F	CINLORINE	Liquidad	100.00	010_2 <u>43</u>	
Tossi Water carragny			400.00		

30/-

March 11, 2013

For Charl Control of Explorives MO. Nector कुर मुद्धय विस्मादक नियक्त

DESCRIPTION AND LOCATION OF THE LICENSED MICHIGENSESSAGE प्रतिकार के विकास और अवस्थित

The light-end promises, the layout boundaries and effect particulars of which are shown in the attached expressed plan No. 88-CVC.PD3HA45 date: "5602/2018 eve Shupper or villager Talus Magra and consists of 6 Number(s) vessel or rough of 6 vessel etc. One vessel each for CHLORINE, CHLORINE, CHLORINE, CHLORINE, CHLORINE CHLORINE, SHLORINE को largest capacity will be kept काकृत for examplency for chologo of /अनुजयन परिसर, यदक्षिण संस्था और अरब विवरण जी सलबब अनुभिक्ति रेखायिक क SUNCHGRICUTIONS किलोक CENTS-2013 में दशीर गर है (Village) हमान Vilgar पर जिपल है और इसके से बेलक समिगनित है।

a) Hammutalo/Compensations: Capes Areamsien ' संभारक / विशेषी गर्सा CHLORNE

end a relieto el Pronto, i 1 Meggy To en Mayer Telle Magra Poeto Station, Dreson : SHARUCH, Sure, Gujara Juano सहया शिक्षात : 1 ताव का सनद अध्यक्ष Telle Megra दुर्वीक खता तिस्य BHARUCH गण्य Gujara से स्थित हैं।

SPACE FOR ENDORSEMENT OF REHEWALS/लामेकरण के प्रकांकन के किए स्थात

i	ा Date of Renew क्षेत्रतीयरण की तर्माख	024 ल Papay/श्रेजुड़ाँन की समापित की क्षतीख	Signature and spains of the Scenaring wallowing segment withouth के हम्सार र श्रीत कार्यासक की सहस
This ligance shall be renewable without any concession in fee the browse of conference of conference of the promisers of the conference of the	29/02/2019	⊋ (µ0 % r2 s 22	Rapilen Piplan: (Piplania Antonio An

This scence is listing to cancelled if the legacian particles are not found outfly only to the description and conditions about od hereto and communition of any of the miles and conducted with under which this licence is granted and the holder of this bothes 4 eso punishable with imprisonment for the form which may extend to two priors of with fine which may extend to three thousand rupees or with both tail), निर्माल 🖝 समय अनुसान प्रीस्मा इससे उपायद विकरण और अर्थ से अनुसार नहीं क्या जाता है और जनमें से किसे का अमेरेक होता है तो उस देशा में यह उन्तरन्ति का किसे हैं और अनुरुद्धि कर धारन किस जिसमों और भर्त के अधिन यह अनुजयित करत्र की गई है. स्वराज्ञास से, किस्मेंबे अञ्चार दो उप तक की या मकती. या जुसीन के जो तीन कवार स्थय तक का का शक्ता, पा टाना से रण्डनीय **की** शिया।



भारत हरकार /Government of India वाणिज्य और उद्योग मंत्रास्य/Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन /Petroleum & Explosives Safety Organisation (PESO) आठवी मंजिल, यश कमल बिल्डींग,संयाजी गंज बडोदरा - 390020

8th Floor, Yash Kamal Building, Sayajigunj, Vadodara - 390020

इसेल /E-mail dyccebaroda@explosives.gov.in

стити /Phone/Fax No : 0265 - 2225159

12/Dated: 07/10/2019

TIND: GIHO/GJ/05/733 & GIHO/GJ/06/724(G31658)

सेवा में /To.

M/s. Grasim Industries Limited, Plot NO 1 GIDC Vilayat Industrial Estate, Taluka Vagra Vilayat.

Pin: 392140

U 7 GC , 2019 District: BHARUCH State: Gujarat

विषय/Sub : Plot No. 1& 2 Survey No 357 Paiky, GIOC Industrial Estate Taluka Vagra, VILAYAT, Bharuch, Taluka: Vagra, District: BHARUCH, State: Gujarat, Pin : 999999में शिलण्डरर्श में CHLORINE गैस का भरण-एवं भण्डा5रण गोडाउन- गैस सिलेण्ड,सं निवम, 2016 के मंतर्गत कामें 'ह' एवं चक में जारी अनुस्राप्ति सं. G/HO/GJ/05/733 & G/HO/GJ/06/724(G31658) नवीकरण के बारे में / Filing of CHLORINE and Storage of CHLORINE at Plot No, 1& 2 Survey No 357 Palky, GIDC Industrial Estate Taluka Vagra, VILAYAT, Bharuch, Taluka: Vagra, District. BHARUCH, State: Gujarat, Pin : 999999 Licence No. G/HO/GJ/05/733 & G/HO/GJ/06/724(G31658) granted in Form E & F of Gas Cylinders Rules. 2016 - Renewal regarding

महोदय/Sit (8).

कायवा आपके दि 03/09/2019 के पत्र सं OIN343258 का संदर्भ करून की/ Please refer to your application No OIN343258 dated 03/09/2019

अनुसरि संख्या G/HO/GJ/05/733 & G/HO/GJ/06/724 30th Septemebr, 2028 तक नवीनीकृत कर भेजी जा रही है / Licence Number G/HO/GJ/05/733 & G/HO/GJ/06/724 is renewed and valid upto 30th Septemebr, 2028 is forwarded herewith.

कपुथा और करें कि मैस मिलेण्डर नियम 2016 के नियम 55(5) के अनुसार, अनुसी के पून लाउँकरण हेत् आवेदन The Dy. Chief Controller of Explosives, Vadodara इस कार्यातय को इस अनुसारी की वैधान रामास होने के पूर्व (दिनांक 30 सिलम्बर2028 को या झैसरी पूर्व) जमा कर दें । दिनांक 30 सितम्बर 2028 के पश्चात परंतु दिलांक 30 शितम्बर 2029 से पूर्व पास नवीनीकरण आवेदन, गैस सिलेण्डर लिखम, 2016 के लियम 55(7) के अनुसार विलंब शुरूक के साथ है। विचाराचीन होगा । दिलांक 30 सितम्बर 2029 तक कोई लवीनीकरण आवेदन प्राप्त नहीं होने की स्थिति में यह अनुजरी स्थता विस्ता हो आएगी । /Please note that application for renewal of the licence should be submitted so as to reach the The Dy. Chief Controller of Explosives, Vadodara before the licence expires (i.e. on or before 30th Septemebr, 2028) as required under Rule 55(5) of Gas Cylinders Rules, 2016. Application for renewal of licence received after 30th September, 2028 but not later than 30th September, 2029 shall be considered only with late fee applicable vide Rule 55(7) (a)(b) of said Rules. The licence will automatically expire if no application is received upto 30th Septemebr, 2029

क्यथा इस पत्र की प्राप्ति। की पायती दें/ Please acknowledge the receipt of the same.

Note: Your Balance Amount with the Organisation is Rs.7000, which will be used for processing of the same Licence in future.

अवटीय (Yours faithfully,

((रजय कुमार) (Sanjay Kumar)) विस्फोटक नियंदक

Controller of Explosives कृते उप मुख्य विस्फोटक नियंत्रक For Dy. Chief Controller of Explosives वडोदरा/Vadodara

(अधिक आजवारी जैसे अधेदन की स्थिति, शुल्कां तथा अल्यह विवरण के लिए कृपना हजारी वेबसाइट http://peso.gov.in देखें 1] (For more information regarding status fees and other details please visit our website http://peso.gov.in)



कार्म ई /FORM E नियम 50,51 और 54 देखें ((See Rules 50, 51 and 54)

विलंडरों में संपीड़ित गैर भरने के लिए अनुनिति / Licence to fill compressed gas in cylinders

अनुजिति शंकवारा/ Licence No. : G/HO/GJ/05/733(G31658)

वार्षिक शुल्या रू. Fee Rs.5000/- per year

M/s. Grasim Industries Limited, Plot NO 1 GIDC Vilayat Industrial Estate, Taluka Vagra, City: Vilayat, District: BHARUCH, State: Gujarat, Pin: 392140 ्को लीचे वर्णित और रेखाक संख्या G/HO/GJ/05/733(G31658) dated 13/03/2013 में दर्शित किए गए अनुस्य परिश्तर में सामीय विस्फोटक अधिनियम, 1884 (1884 का 4) और उसके अधीन बनाए गए लियमों के उपयंधी तथा इस अनुसति की अन्य गानी के अधीन रहते हुए केवल संपीडित गैस से भरे सिलेण्डरी को रखने के लिए ही विधिज्ञान्य अनुसति दी जाती है। / Licence is hereby granted to M/s. Grasim Industries Limited, Plot NO 1 GIDC Vilayat Industrial Estate, Taluka Vagra, City: Vilayat, District: BHARUCH, State: Gujarat, Pin: 392140 valid only for the filling of cylinders with compressed gas in the Icensed premises described below and shown in the plan No. G/HO/GJ/05/733(G31658) dated 13/03/2013 subject to the provisions of the Explosives Act, 1864(4

of 1884) and the rules made thereunder and to the further conditions of this licence. यह अनुसन्ति 30 मितम्बर 2028 तम प्रवृत रहेगी । / The Licence shall remain in force till the 30th September 2028.

> For Chief Controller of Explosives Nagpur

कृते मुख्य विस्फोटक तियेवक जागपूर

March 13, 2013

1)Amendment dated - 18/09/2018

अनुग्रह परिसर का विवरण और अवस्थिति / DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

निव्यतिक्षित विक्रण के अनुसार विलेण्डरों में मैस भरने के लिए अनुसम परिसर, जिसकी अमिन्यास सीमाओं और अन्य विशिष्टियों को संलग्न अनुमोदित रेपांक रं. G/HO/GJ/05/733 dated March 13, 2013 में दिखाया गया है। VILAYAT में अवस्थित है और जिसमें अन्य सुविधाओं से जोड़े गए CHLORINE - 28 Nos. (2x9+10) फिलिंग पॉइन्ट्स हैं। / The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No G/HO/GJ/05/733 dated March 13, 2013 are situated at VILAYAT and consists of CHLORINE - 28 Nos.(2x9+10) filling points with connected other fecilities for filling of the gas(es) in cylinders as described here under:

	गैस का प्रकार Type of Gas	माना /Quantity
a)	विषेते। Texic	CHLORINE
ь)	गैर विषेत्रे और गैर ज्वलनशील /Non-Toxic and Non Flammable	NIL
c)	नैर विवेशे और उपलग्धील /Non-Toxic and Flammable	NIL
d)	धुतित एसिटिलीन गैस /Dissolved Acetylene Gas	-NIL
e)	एनपोजी के जलावा गैर विषेत्रे और उपलनशील दक्ति गैस /Non-Toxic & Flammable liquefiable gas other than LPG	NIL
f)	एलपीजी/ Liquefied Pertoleum Gas	NIL

और प्लाट संख्या PiotNo :1& 2 Survey No 357 Paiky गली का नाम : GIDC Industrial Estate Taluka Vagra गाँव : VILAYAT पुलिस पाना : Vagra जिला :BHARUCH राज्य: Gujarat. /and is situated at PiotNo :1& 2 Survey No 357 Paiky Name of Street :GIDC Industrial Estate Taluka Vagra Village/Town :VILAYAT Police Station : Vagra District : BHARUCH, State: Gujarat.

वर्षीकरण के पृश्लेक के लिए स्थान ≀ SPACE FOR ENDORSEMENT OF RENEWALS

	तर्गीकरण की तारिखDate of Renewal	समाप्ति की तारीख/Date of Expiry	अनुजासे प्राचिकारी के हरतामक्षर/Signature and stamp of the licensing authority
हस अजुलिस को, विस्फोटक अधिनियम, 1884 या उसके अधीन रनाए गए मैस सिलेण्डर नियम, 2016 के उपवधी या इस अनुलिस की शर्तों का उल्लंघन म दोने की दशा में, फीस में फोई इट दिए किया दस वर्ष लक स्वीकृत किया जाएगा । /This icence shall be renewable without any concession in fee or ten years in the absence of contravention of the provision of the Explosives Act, 1884, or Gas Cylinders Rules, 2016, ramed thereunder or of the conditions of the licence	07/10/2019	30/09/2028	Sanjay Kumar CE For Dy. Chief Controller of Explosives Vadodara Dy. Chief Controller of Explosives Vadodara Dy. Chief Controller of Explosives, Vado

यदि अंजुरूस परिसर इससे उपाद्ध विवरण और शतों के अनुस्य नहीं याया जाता है और जिन तियमों और शतों के अपीन यह अनुमसि दी गई है. उनमें से किसो का उल्लंधन सेता है तो यह अनुमसि रद की जा सकती है और अनुमसि का धारक कारायास से, जिसकी अवधि दो वर्ष तक की हो सकेगी, या जुमोंने से, जो तीन हजार रुपये तक का से संकेगा, या दोनों से, दण्डनीय भी सेगा । / This licence is liable to be cancelled if the licenced premises are not found conforming to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to three thousand rupens or with both.

अनुजात की शर्त संख्या 6 में तिरित कुछ भी होते हुए, सूर्योक्त और सूर्योदय के भीतर, निम्न शर्ती के अधीन, सिलेंडर भरण की अनुमति दी जाती है। Notwithstanding anything contained in condition No. 8 of the Licence filling of cylinders within hours of sunset and sunsise is permitted subject to the following conditions.



Show 50,51 ATC 54 caf /(See Rules 50, 51 and 54)

Licence to store compressed gas in cylinders

office governor on Rs 12000/ per year

Wis. Grasim Industries Limited, Plot NO 1 GIDC Vitayat Industrial Estate, Taluka Vagra, City: Vitayat, District: BHARUCH, State: Gujarat, Piet: 392145 all affici a GNO/GUGGT24G31658| 20100 1303/2013 में ट्रेलिंग किए गए अनुसार परिवार में आसीव विस्कारक अधिनियम, 1884 गर का और उसके आधिक संबंध गए हिंदामों के अध्येत लोग इस अनुसीत की अन्य पत्ती के

Inflict call go New editor for a set thread at real is fau to force or specific and it is recovered by the control of the cont

बढ़ अनुस्रति २० विस्तरमा २००४ तम प्रकृत होती । (The License shall remain inforce till the 10th September 2028.

For Chief Controller of Explosions Neggui

कृते सुधम विकाशक विकास

March 13, 2013

HILLY LICONOM NO. GHIO/GJ/00/724(G21654)

JIGHT VEHIC AT BYEN 30 SHEWER DESCRIPTION AND LOCATION OF THE LICENSED PREMISES.

Davidian facts in sugar through it set the east in the east in the east in the segme office financial site and fathfield at shown segment form of Greek and March 13, 2013. If Tenter eer 2. If aid Tou. 2 after Cases on a secretary dis \$1 / The increased promises, the taylor because and other particulars of which are wherein in the attached approved plan No. GNOS.106/724 colors March 13, 2013, are shuted at VILAYAT, and consents of a storage shot for possession of the gas contained in cylinders as described here under

	नीवर कर प्रकार /Type of Gas	ATTEL /Quantity
A2_	REAL Toxic	CHLORINE - 1191 Nos.
	To light a site the presenter Mon-Toxic and Non-Flammobia	-NIL-
=	The Table of a committee Non-Toxic and Flammable	-NL-
0	एजिस एसिटिकेस केस Attractived Assitylene Gas	-NIL-
e)	contact in arrival fix RMR afte assemble gRo the mon- trace & Flammable liquefiable gas other than LPG	-NIL-
n.	ISSELEV Liquetion Pertoleum Gas	-AIL-

After these states Plattice 1& 2 Survey No 357 Palky shift or any rife VILAYAT is they give that Vagra little BHARUCH shift Gujarat Cape is situated at Plattice 1& 2 Survey No 357 Palky Vilago/Town VILAYAT Police States Vagra District BHARUCH State Gujarat

INDIANT & SHARE & TRY FREE / SPACE FOR ENDORSEMENT OF RENEWALS

	indicent of influction of Renewal	audit di stituttion d'Expry	argafilit stRaid: A secretal/Signature and stemp of the learning authority
gar augusta of Standon artistatus, 1954 or 350% arthur early my flar Subject Share, 3016 de accest er gar augusta de mais er souture er gild de gar arthur ar ada gar 150 flare car art per adapar flare artura urban scandon artura de nomensatal without arry conticassos in too for ton years er the personne of contravention of the processor of the Euthorives Act Mills or Gas Cylindons Hubbs, 2018, Varied thorounder or of the conditions of the learner.	07/10/2019	30/09/2028	Sanjay Kumar CE For Dy. Chief Controller of Explosives Vacadara GU YOU formitted Police, delect Dy. Chief Controller of Explosives, Variouss

यदि अनुराम परिसा इससे उत्ताब दियाण और सरों के अनुराम नहीं पान जान है और फिन जिनमों और सरों के अपीन यह अनुरक्ति है गई है. उससे से मिनी का उल्लंबन होना है तो यह अनुरक्ति रह के जा राजती है और अनुश्री का पत्रक बरावाल से दिलारी अर्थि हो वर्ष तक की हो सकेवी. या जुनते से जो तीन हजार रूपने तक वर हो रुकेना पर होती हो दणहरीय में होगा । / This leaves is liable to be carecated if the isomeon provises are not bund continuing to the description and conditions attached hereto and contravention of any of the nules and conditions under which this licence is granted and the holder of this licence is also pure trained with imprisonment for the term which may extend to thee theusand nucles or with both.



Ministry of Commerce & Ionasian

No : ANGINE PROPERTY 11

Phone-Fac No. 002 - 37678666,27679666 Claved - Nameroaddo

Plecas, 1, 6100 YHs; in Industrial estate Tenna: Veez DHUKA: BEARUCH State: Quiprat Pas. 390140

Periodical Evantuation and testing of CHLORNE, Beammes, opinions in Photologyphology 1, GRDC technical Exercis, Taluma: Vagra, (technical special Culture, Photologypholog

輔权

Photos refer to the inspection of your works by an office of the office of the on-

There is no colection to your carrying the periodic ecomometers and testing of CHLORDRE. Beautiful systems in your edgive mentioned container leaking station subject to the characters of the following conditions.

- 1. The degassing of the contents shall be done at the place approved by this office. The cylinders shall be fully degassed till they show izero reading for the ebsence of the flammable gas when tested with Explosives maler before subjecting the cylinders for testing.
- Not more than five cytinders shall be degassed at a time.
- The degassing and lesting of cylinders shall be carried out only during daylight hours.
- 4.The examination and testing of cylinders shall be carned out only under continuous supervision of qualified and experinaced personnel.
- 5.The Cylinders which are approved for filling in writing by CCE office , shall only be undertaken for periodic examination/Testing.
- 6.All provisions of the relevant Indian standard code of practice for cylinders inclusive visual inspection. shall ebe observed
- 7.CNG-ONB cylinders shall be subjected to Ultrasonic flaw detection test as per Annex D to IS:15490:2004.
- The cylinders passed in the periodical examination and testing shall be marked with the code mark of the testing station and other relevant information as required under rule 6 of the Gas cylinders. Rules, 2016. The due date for next test or the the date of expiry of service life of the cylinder, as the case. may be shall be clerly marked on the stainless steel ring inserted between the valve and the neck of the
- The quality management system of the testing station shall be covered under ISO:9001 certification. from BIS or any other internationally reputed certifying agency with the accrediation with NABCB(Indian Acrediation Body)with in six months.
- 10. The requirements of Provisions of Rule 35 of the said rules shall be followed and records of lest and examination of Cylinders shall be maintained for the service life of the Cylinders. The data record maintainanace system shall be fully completelsed .
- 11. The cylinders found unserviceable (Service life expired and failed in tests) shall be condemned as required under rule 36 of the said rules and records there of shall be furnished to this office on the 1st of January, April, July and October every year.
- 12.No change in the organisational set up and machinery of testing station shall be effected without obtaining approval of this office.
- The other relevant provisions of the said rules are compaed with.

The approval may be reviewed, ammended or withdrawn at any time if considered necessary in the intrest of safety or if any of the conditions mentioned above is violated or not complied with

This permission is valid for the period upto 30/09/2023 date which may be extended further on submission of performance report, Renewal fee and ISO Certificate on or before the expiry of this

The approval Accorded under rule 35 of the gas Cylinders Rule, 2016 does not absolve you from obtaining necessary permission/clearance under other statutes/local Regulations, if any applicable for setting up and operation of a cylinder testing Station, which please be noted.

SPACE FOR ENDORSEMENT OF PENEWIALS

	Date of Patienna	Dame of Expany	Signature and storm of the hose and gathering
This Russian shall be renewable writted any concession in (earlier ten- years, in the impance of companies with it the provision of the Buptimere Act, 1994, or Cas Cyanders Rules 2018 frames many under or or the panditure of the Sconce		\$00 % 2025	Barrell Edingh Maries OCE For AL Chief Controller of Explosives Messbat

anch sing! Massag
Oy Contretter of Explosives For Jr. Chief Controller of Explosion

For Jt. Chief Controller of Explosives Humbel

प्ररूप XV (प्रथम अनुसूची का अनुन्छेद 6 देखिए) FORM XV (see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आपात और भंडारकरण के लिए अनुरूपित LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

argaful II. (Licence No.): P/HQ/GJ/15/5344(P296022)

फीस रूपए (Fee Rs.) 23500/- per year

MET DE MA

Min. Granim Industries Limited, Plot No. 1, G.I.D.C. Vilayat Industrial Estate, P.O. Vilayat, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392140 को केवत इसमें पथा विनिर्देश्ट वर्ग और मात्राओं में पेट्रोलियम 420.00 KL आयात करने के लिए और उसका, नीचे वर्णित और अनुमौदित नवशा संख्या PHQ/GJ/15/5344 (P206022) तारीय 02/07/2014 को कि इससे उपाबद हैं, में दिखाए गए स्थान पर भण्डास्करण के लिए पेट्रोलियम अधिनयम, 1934 के उपवंधी या उसके अधीन बनाए गए नियमों तथा इस अनुमित को अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुमति अनुदत्त की जाती हैं।

Licence is hereby granted to M/s. Grasim industries Limited, Plot No. 1, G.I.D.C. Vilayat industrial Estate, P.O. Vilayat, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392140 valid only for the importation and marage of 429.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved rivin No P/HQ/GJ/15/5344(P296022) dated 02/07/2014 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and the rule conditions of this Licence.

यह अनुज्ञप्ति 31st day of December **2023** तक प्रवृत रहेगी। The Licence shall remain in force till the 31st day of December **2023**

> अनुज्ञप्त मात्रा (किलोतीटरों में) /Quantity पेटोलियम का विवरण (Description of Petroleum licenced in KL NIL वर्ग क प्रपूंज पेट्रोतियम /Petroleum Class A in bulk NIL वर्ग क प्रयंज पेटोलियम से भिन्न /Petroleum Class A, otherwise than in bulk 420.00 KL वर्ग ख प्रयुज पेट्रोतियम /Petroleum Class B in bulk NIII. वर्ग स प्रपुत्र पेट्रोलियम से भिन्न /Patroleum Class B, otherwise than in bulk NIL वर्ग ग प्रपुज पेट्रोतियम /Petroleum Class C in bulk NIL. वर्ग ग प्रयुज येट्रोतियम से भिन्न /Petroleum Class C.otherwise than in bulk 420.00 KL कुल क्षमता /Total Capacity

July 2, 2014

1). Amendment dated - 30/09/2019

For Chief Controller of Explosives HQ, Nagpur

अनुज्ञन्त परिसरों का विवरण और अवस्थान DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्ट्रपां संलग्न अनुमोदित नक्शी में दिखाई गई है Plot No: 1 , G.I.D.C. Vilayat Industrial Estate, Vilayat, Taluka: Vagra, District: BHARIUCH, State: Gujarat, PIN: 394120 स्थान पर अवस्थित है तथा उसमें निम्निशिखित Three aboveground Petroleum Class B storage tanks together with connected facilities. सम्मिलित हैं |

The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No. 1 , G.I.D.C. The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No. 1 , G.I.D.C. The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No. 1 , G.I.D.C. Vilayat Industrial Estate, Vilayat, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 394126 and consists of Three aboveground Petroleum Class B vilayat Industrial Estate, Vilayat, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 394126 and consists of Three aboveground Petroleum Class B storage tanks together with connected facilities.

अनुश्चाप्ति संख्या-(Licence No.) P/HQ/GJ/15/5344 (P296022)

नवीनीकरण के पृष्ठांकन के लिए स्थान SPACE FOR ENDORSEMENT OF RENEWALS

१९३४ के उपबन्धों या उनके अधीन पेट्रोशियम अधिनियम. बनाए गए नियमों या इस अनुसंदित की शर्तों का उल्लंघन न होने की तथा में यह अनुवादि फिस में बिना किसी छूट के दस वर्ष तक जीवृत की जा सकेगी। This beence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum

Act, 1934 or of the rules framed thereunder or of

any of the conditions of this Icence.

नवीकरण की तारीख Date of Renewal

समाप्ति की तारीख Date of Expiry of license अनुशापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.

1)

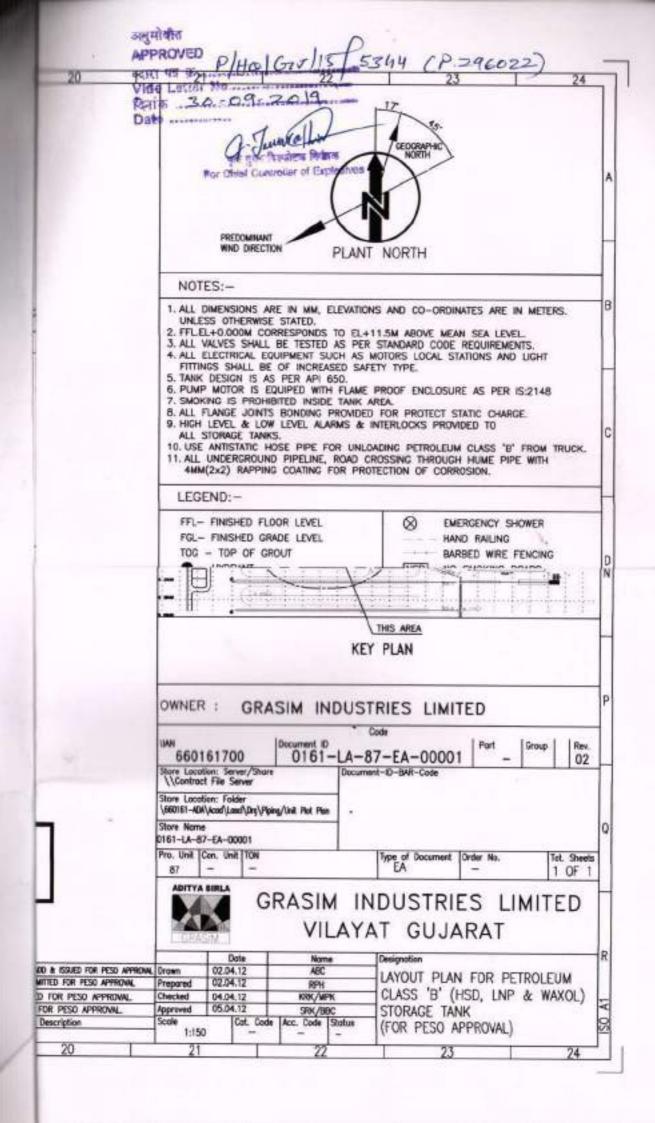
30/10/2018

31/12/2023

Sd/-Anil Kumar Yadav Controller of Explosives For Dy. Chief Controller of Explosives Vadodara

यदि अनुसन्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरुप नहीं पाए जाते है और जिन नियमों और शर्तों के अधीन यह अनुसन्ति मंजूर की गई है उनमें से किसी का उल्लंबन होने की दशा में यह अनुताप्ति रद्द की जा सकती है और अनुताप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुमनि से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या दोनों से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा। This licence is liable to be cancelled if the licensed premises are no found conforming to the description given on the approved plan attached

hereto and contravention of any of the rules and conditions under which here is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to import, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment whic. hay extend to three months, or with fine which may extend to five thousand rupees or with both.





भारत सरकार /Government of India रानिजय और उदोग मजान्य/Ministry of Commerce & Industry पेट्रोसियम तथा विस्फोटक सुरक्षा संगठन /Petroleum & Explosives Safety Organisation (PESO) आंठवी मंजिल, यथ कमल बिल्डींग,सवाजी गंज वडोदरा - 390020

8th Floor, Yash Kamal Building, Sayajigunj, Vadodara - 390020

इमेल /E-mail : dyccebaroda@explosives.gov.in

दुरभाष /Phone/Fax No : 0265 - 2225159

R/Dated 07/10/2019

W/No: G/HO/GJ/05/738 & G/HO/GJ/06/728(G31657)

सेवा में /To.

M/s. Grasim Industries Limited. Plot No 1 GIDC Vilayat Industrial Estate... Taluka Vagra Vilayat. District: BHARUCH

State: Gujarat Pin: 392140

0 9 CCT 2019

विषयाSub: Plot No, 1, GIDC Industrial Estate Taluka Vagra, Vilayat, , District: BHARUCH, State: Gujarat, Pin : 999999में सिलण्डररॉ में HYDROGEN ਸੇਂਦ ਕਾ ਬਦਯਾ-ਰਕ ਸਾਫ਼ਤਰਦਾ ਸੀਗਤਕ ਸੇਂਦ ਸ਼ਿਜੇਯਫ਼ੜੀ ਕਿਸਮ, 2016 ਨੇ ਅੰਜਸੰਨ ਯਸੰ 'ਫ਼' ਦਵਾ ਸੋ ਗਈ ਸਕ੍ਰਸੀਸੇ ਸੱ. G/HO/GJ/05/738 & G/HO/0J/06/728(G31657) लागिकरण के बारे में / Filing of NYDROGEN and Storage of HYDROGEN at Plot No. 1, GIDC Industrial Estatu Taluka Vagra, Vilayat, , District: BHARUCH, State: Gujarat, Pin : 999999 Licence No. G/HO/GJ/05/738 & G/HO/GJ/05/728 (G31657) granted in Form E & F of Gas Cylinders Rules, 2016 - Renewal regarding

महोदय/Sir (s).

> कृषमा आपके दि. 05/09/2019 के पर से. nil का संदर्भ ग्रहण करें/ Please refer to your application No.nil dated 05/09/2019 अध्यक्षि संख्या G/HO/GJ/05/738 & G/HO/GJ/06/728 30th Septemebr. 2029 तक नवीनीकृत कर भेजी जा रही है / Licence Number G/HO/GJ/05/738 & G/HO/GJ/06/728 is renewed and valid upto 30th Septemebr, 2029 is forwarded herewith.

> कृपया तोट करें कि मैस सिलेण्डर लियम, 2016 के लियम 55(5) के अनुसार, अनुसार के पुन नवीकरण हेत् आवेदन The Dy. Chief Controller of Explosives, Vadodara इस प्राचीलय को इस अनुवासि की वैधना समास होने के पूर्व (दिलांक 30 सितस्बर2029 को वा इससे पूर्व) जमा कर दें । दिलांक 30 शितम्बर 2029 के पश्चात परंतु दिनांक 30 शितम्बर 2030 से पूर्व प्राप्त नवीनीकरण आवेदन, गैस शिलेण्डर निवम, 2016 के निवम 55(7) के अनुसार चिलंब शुरूक के साथ ही विकाराचील होगा । दिलांक 30 सितम्बर 2030 तक कोई नवीनीकरण आवेदन पास नहीं होने की स्थिति में यह अनुनास स्वतः। चिस्त हो जाएगी । Please note that application for renewal of the Icence should be submitted so as to reach the The Dy. Chief Controller of Explosives, Vadodara before the licence expires (i.e. on or before 30th September, 2029) as required under Rule 55(5) of Gas Cylinders Rules, 2016. Application for renewal of licence received after 30th September, 2029 but not later than 30th September, 2030, shall be considered only with late fee applicable vide Rule 55(7) (a)(b) of said Rules. The licence will automatically expire if no application is received upto 30th Septemebr, 2030

कृपया इस पड की वासि की पावती 2/ Please acknowledge the receipt of the same

मयदीय /Yours faithful

((राजय कुमार) (Sanjay Kumar)) तिस्फोटक निवंदक Controller of Explosives ृत्ते उप मुख्य विस्फोटक जियजक For Dy. Chief Controller of Explosives वडोदरा/Vadodara

[अधिक जानकारी जैसे आवेदन की स्थिति, शुरूकां तथा अरूपक विवरण के लिए कृपया हमारी वैबसाइट http://peso.gov.in देखें [] (For more information regarding status, fees and other details please visit our website http://peso.gov.in)



फार्स है /FCRM E जियम 50,51 और 54 देखें 4,8ee Rules 50, 51 and 54)

विजेदरों में संपेदिन सैस झरने के लिए अनुपन्ति / Licence to fill compressed gas in cylinders

36] ar Re 478-4781 / Licence No.: G/HO/GJ/05/738(G31657)

enfilled appear #/ Fee Rs \$000/- per your

We Grasim Industries Limited, Piot No 1 GIDC Vilayet Industrial Estate, Taluka Vagra, City: Vilayet, District: BHARUCH, State; Gujaret, Pin; 382140, 34, 353 affilia after the district districts and filter and affiliation and filter and an industrial Estate, Taluka Vagra, City: Vilayet, District: BHARUCH, State: Gujaret, Pin; 382140, 34, 353 and another and an industrial Limited, Piot No 1 GIDC Vilayet Industrial Estate, Taluka Vagra, City: Vilayet, District: BHARUCH, State: Gujaret, Pin; 382140 valid only for the filting of cylinders with compressed gas in the icensed premises described below and shown in the plan No. GiHO/GJ/05/738/G31657) dated 14/05/2013 subject to the provisions of the Explosives Act. 1834(A or 1884) and the rules made thereunder and to the further conditions of this licence.

यह अनुभति 30 कितम्बर 2029 तम प्रवृत रहेगी । / The Licence shall remain in force till the 30th September 2029.

May 14, 2013

For Chief Controller of Explosives Nagpur कृते कुछद विस्थितक जिल्ला

1)Amendment dated - 18/10/2018

अनुसार परिसर का विवरण और अवस्थिति / DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

िकारिकीमा विदश्य के अनुमार मिलेन्डरी में सैस अहते के लिए अनुसल परिशर, जिसकी अभिन्यास सीमाओं और अन्य विशिष्टियों को संस्थान अनुमीदिल देखांक सं GNO/GJ/05/738 dated May 14, 2013 में दिखान सामा है। Vilayat में अवस्थित है और जिसमें अन्य सुविधाओं ने और स्था HYDROGEN - 8 Nos.(8x1) फिलिस पहिन्दुस है। / The Iconsed premises, the layout boundaries and other particulars of which are shown in the attached approved plan No. G/HO/GJ/05/738 dated May 14, 2013, are situated at Vilayat and consists of HYDROGEN - 8 Nos.(8x1) filing points with consected other facilities for filing of the gos(es) in cylinders as described here under:

	तीस का प्रकार Type of Gas	PEST /Quartity
	Takiki Taxic	-NL-
	मेर विषेत्रे और मेर जवस्थातील, Non-Toxic and Non Fiammable	-NE-
	नैर विषये और व्यवसारका Non-Toxic and Flammable	HYDROGEN
d)	मुजित परिटिजीत नैश /Dissolved Acetylene Gas	-NL-
e)	एक्सीओं के अरक्षा मेर निष्ठेंने और उपलब्धीन दक्षित मेरा Non-Toxic & Flammable Iquefiable gas other than LPG	-NL-
0	verifulli Liqueted Pertoleum Gas	-NIL

ाहि पहाट संख्या Pictive न नहीं का लाम : GIDC Industrial Estate Taluka Vagra नांव : Vilayat पुनिक काम : किया :BHARUCH राज्य: Gujarat. /and is situated at Pictive न Name of Street :GIDC Industrial Estate Taluka Vagra Village/Town :Vilayat Police Station : District : BHARUCH, State: Gujarat.

नवीकाण के पूर्वाकत के लिए स्थान / SPACE FOR ENDORSEMENT OF RENEWALS

	ल्दीकरण की (सरीव्यDate of Renewal	सम्बंधि की तारीकाDate of Expiry	अनुस्ति प्राधिकारी के हरतात्रहरुंSignature and stamp of the locensing authority
For High Rich at Bauton Hilliams, 1884 at 50% Hilliams are the Richest State, 2016 % State at 50% Hilliams are the Hilliams and the State at 50% Hilliams are the Hilliams at 50% Hilliams at	07/10/2018	30/09/2029	Sanjay Kumar OE For Dy, Chief Controller of Explosives Vadodara Quantum Continue Dours, Building De Carel Controller of Explosives, Valida

बदि अधुन्न परिसर इससे उपान्न किसी का उन्लंपन होता है और जिल नियमों और शर्तों के अपीन वह अनुन्नि ही नई है. उनमें से किसी का उन्लंपन होता है तो यह अधुन्नि स्थान के को से अधुन्नि स्थान के को हो सकेगी, या जुन्नि से जो तीन हमार रुपये तक का हो सकेगा, या दोनों से, इण्डनीय भी होगा। / This licence is lable to be conceided if the licenced premises are not found combining to the description and conditions attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to two or with both.

अपुर्धीने की शते शंख्या 8 में लिदित कुछ मी होते हुए, सुर्थास्त और सूर्योदय के मीतम, निम्न शती के अधीत, सिमेडर भएण की अनुमति दी जाती है।/ Notwithstanding anything contained in condition No. 8 of the Licence filing of cylinders within hours of sunset and sunrise is permitted subject to the following conditions:

- 1 सभी औपरिकार एक सदाम व्यक्ति के वर्षवेक्षण भी किए अभी पाहिए VAII operation should be carried out under supervision of a competant person.
- 2. Halfe week senset usper do structus Adequate lighting are provided.
- सूर्यास्त और शुर्वीद्वय के दौरार क्रिकेडर्स का प्रेमण अही किया आएमण्डिपात्रकात्र are not departured during sunset and sunnse;



कार्स क FORM F जिस्सा 60,51 और 54 ट्रेड /(See Rules 50, 51 and 54) Licence to store compressed gas in cylinders

suprist shally Licence No.: G/HO/GJ/06/728(G31667)

M/s. Grasim Industries Limited, Plot No 1 GIDC Vilayat Industrial Estate, Taluka Vagra, City: Vilayat, District: Bhangoh, Scale: Guaraj, Pin: 392140 को तरित वरित और Lulis सम्प्रण GHO/GJ06/728/G31657| dated 14/05/2013 में ट्रिलिंग किए तए अनुसर परिवार में, सारतीय विकासक अधिवित्त 1884 (1884 का 4) और उनके अपीत प्रतार गए जिंचमों के उपवर्ष तथा कुम अनुसारि की अरब पहले के अपीत एको हुए, केवल संपेडित मेंग से भारे विकासकी के जिंच है। दिख्यान्य अनुसारि

Licence is horizby granted to M/s. Grasim industries Limited, Plot No 1 GIDC Vilayat Industrial Estate, Taluka Vagra, City. Vilayat, District: BHARUCH, State: Gujarat, Pirr. 392140 valid only for the possession of cylinders filled with compressed gas in the licensed premises described below and shown in the plan No QiHCG/Qi06728(Q31657) dated 14/06/2013 subject to the provisions of the Explosives Act. 1834(4 of 1884) and the Rules made thereunder and to the further conditions of this foreign.

ME SIGNER 30 TRULARY 2029 WW MIGHT 47/11 / The Licence shall remain to force fill the 30" September 2029.

For Chief Controller of Explosives Nagpur uph year (Carelcas Chavo

SHARES

The tipes it /Fee Hs 4000/ per year

May 14, 2013

अनुसार परिवार का विकास और अवस्थिति। DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

Guntalizer किया के अनुसार सिनेप्दर्श से की तीन एकों के लिए अनुसार परिसार जिसकी अस्ति को संगत अनुसारित देखींक स GNOVGJ066726 dated May 14, 2013 में दिखान गया है. में अवस्थित है और जिसमें एक मण्डाएग सेंड हैं। / The Econsed promises, the byout boundaries and other particulars of which are shown in the attached approved plan No. GN+GIGJ06729 dated May 14, 2013 are allusted at Vilayet and consists of a storage shod for possession of the gas contained in cylindars as discribed here under

	गैस का प्रकार /Type of Gas	मात्रा (Quantity
47	NASA TOXO	NIL
DI.	मेर विमेले और मेर जरजातील /Non-Toxicand Non-Flammable	NL
4)	मेर विपेशे और ज्यानगरील /Non-Toxic and Flammable	HYDROGEN - 360 Nos.
d)	भूजित पश्चितिकील मैस /Disserved Acetylune Gas	NL
	endiah के अलावा की जिपेले और क्वान्स्टॉन ट्रीवा कैंग /Non-Toxic & Flammable liqueflable gas other than LPG	NL
n	एलगैजी/ Liquetied Pertoleum Gas	NE,

उत्तर प्रशास कारण (कारण) के नाजी का लाज तांच । Vilayat का लगा पुलिस कारण । द्विता । BHARUCH.राज्या । Gujarat / and is situated at PosNo -1 Villago/Town Vilayat Police Station : District BHARUCH. State Gujarat

तर्थभाग के पृष्ठांकर के जिए शास / SPACE FOR ENDORSEMENT OF RENEWALS

	ल्डीकरण की तारीध/Date of Renewal	सभावि स्ट त्यीक/Date of Expany	अनुमति प्राप्तिकारी थे प्रमाणकार/Signature and stamp of the Boensing authority
ह्मा अधुन्ति को विस्कृतिक मधिनियम, १८८४ मा अन्तर्भ अधिन स्मार गए मैस विभिन्नस			
Their, 2016 to search an gar injurith the suff and partition of the search of their adopt to their search of the search shall be receivable without any conceivable without any conceivable without any conceivable without any conceivable without any conceivable without any other provision of the impressives Act, 1884 or Gass Synders Foller, 2016, framed forcounter or of the conditions of the feature.	07/10/2019	30/09/2029	Sanjay Kumar GE For Dy. Chief Controller of Explosives Yadodara GU Swit Grades Bridge (17) Chief Controller of Explosives, No.

पदि अनुमार परितर इससे अवस्य विवास और सभी के अनुस्य नहीं पाया जाता है और जिन नियमी और इसी के अधीन यह अनुमारि ही रहे हैं. उनमें में किसी का उन्नामन होता है जो यह अनुमारि हो की अनुभाने के जो तीन हजार इससे तक का हो स्थानी, मा दोनों में, दुप्पतीय में होता | / This located is liable to be carcelled if the interced promises are not found conforming to the description and conditions attached before and contravoration of any of the rules and conditions which this licence is granted and the factor of this bounce is also purishable with impresented for the form which may extend to two thousand rupoes or with both.



GOVERNMENT OF INDIA ON DYICHIEF CONTROLLER OF EXPLOSIVES PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO) (Formerly Department of Explosives) VADODARA SUB CIRCLE OFFICE

Tef : 2225159. Fax

. (265)-Email . gyccebaroda@explosives.gov.in 8th Floor, Yash Kamai Building,

Eayajiguni Vadodará -390020

No. G/WC/QJ/n6/1803 (G34271)

Date: 39 Aug 2013

Ta.

MAS. GINASIM INDUSTRIES LTD. \$ \$ 6, JRD FLOOR, SHREE MANGALAM COMPLEX. KASAK CIRCLE BHARUCH - 392002. District PHARUCH Siec Gueral

Sub: Slorage of 20 Nos - CHLORINE in cylinders at Plot No.: 1 GIDC INDL. ESTATE, Wilage: VILAYAT-District. BHARUCH State - Gujarat - Licence No. GAMUG/1803 (G34271) granted in Form Flori Gas Cylinder Rules 2004 - Inspection & Encorsement of Remote regarding.

Sir.

Please refer to the JI.Chief Controller of Explosives, Mumbai 's Memo No. GAVC/G./06/1803 (G34271) dated. 6/8/2013 and inspection of the above premises by the undersigned (an officer of this office on 17/8/2013).

The subject ficence is instrumed herewith duly endorsed. The receipt of the Joence may please be acknowledged,

Please note that your application for further renewal should reach this office on or before 30" Septemble, 2022. along with all the documents as required under Rule 55(5) of Gas Cylindor Rules, 2004. Application for renewal of licence received after 30° September, 2022 but not later than 30° September, 2023 be considered anny with penalty fee vide rule. 55(7) (a)(b) of said Rules. The ficence will automatically expire if no application is received upto 30th September, 2022.

premises should be maintained as per approved drawing.

(Strivehandra D. Mishra)

Dy. Controller of Explosives.

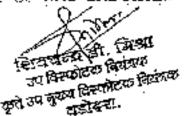
for Dy. Chief Controller of Explosives

Vadodara Sub Circle Office , Vadodara

<u>Copy forwarded for information to:-</u>
1) The JR.Chief Controller of Explosives, West Circle , Membal with reference to his endorsament as above.

Dy. Chief Controller of Explosives, Vadadara

NEPECTED AND ENDORSES







Licence to store compressed gas in cylinders

Licence No : G/MC/GJ/06/1803 (G34271)

fee Rs : 500/- paryear

Licence is hereby granted to M/S. GRASIM INDUSTRIES LTD,5 & 6, 3RD FLOOR, SHREE MANGALAM COMPLEX KASAK CIRCLE BHARDCH-392002 valid only for the possession of cylinders filled with compressed gas in the licensed premises described below and shown in the plan No. G/WC/GJ/06/1803 dated 5 August, 2013 subject to the provisions of the Explosives Act, 1884(4 of 1884) and the Rules made thereunder and to the further conditions of this licence.

The Scence shall ramein in force up to 30th day of September, 2022.

The 5 August, 2013

H.Chief Company Compan

DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

The ticensed premises, the tayout boundaries and other particulars of which are shown in the attached approved plan No. GrNC/GJ/06/1803 dated 5 August, 2013 are situated at VILAYAT and consists of a storage shed for possession of the gas contained in cylinders as described here under:

	Type of Gas	Quantity
3)	Toxic	20 Nos-CHLORINE,
b)	Non-Toxic and Non Flammable	
c)	Non-Toxic and Flammable	
al)	Dissolved Acetylene Gas	
e)_	Non-Toxic & Flammable squefable gas other than LPG	
Ŋ	Liquefied Pertoleum Gas	

and is situated at Plot No. 1 Name of Street : GIDC (NDL, ESTATE, Village/Town : VILAYAT Police Station : VAGRA District : BHARUCH .

SPACE FOR ENDORSEMENT OF RENEWALS

	Date of Renewal	Date of Expiry	Signature and stamp of the licensing authority
This licence shall be renewable without any concession in fee for ten years in the absence of contravention of the provision of the Explosives Act, 1884, or Gas Cylinders Rules, 2004, framed thereunder or of the conditions of the figurics.			

This licence is liable to be cancelled if the licenced premises are not found conforming to the description and conditions attached horsto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable with imprisonment for the term which may extend to two years or with fine which may extend to three thousand rupees or with both.

CONTRACTORIS

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Provided that the distance specified above may be entired by the Chief Controller (I) where seems walls are provided or often aposts propositions teless, or (II) where there are marched above which is the optains of the Chief Councilies would justify deal reduction. Provided managed by the controller would justify the reduction. Provided managed by the controller is a stronger chief the set of the council of

Streeting post of at allicated to a building, provided that it is conserved therefore by a substantial partition and the only scenario of source as it is from emblish ats, such a storage shed shall not be district ander our explorator or some other estractors at an entry than the seet of to building or other buildings.

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16. The Reason shall provide at the Bostone provides a minimum of two public from type/ordinary chemical type for managements of 10 kg, each MS marked or approved which. all by anyt ready at a consequent formion for imposition use in the orest of one fite in addition to other fire fighting for other mitigating facilities required for flammable or lead-

grace.

17. Free necess to the Mounted positions shall be aftern an all respectable that to hip of the officers listed in East 11 and overy facility shall be affirmed to much officer for sympathicity.

that the motor and the compilions of this license are they observed.

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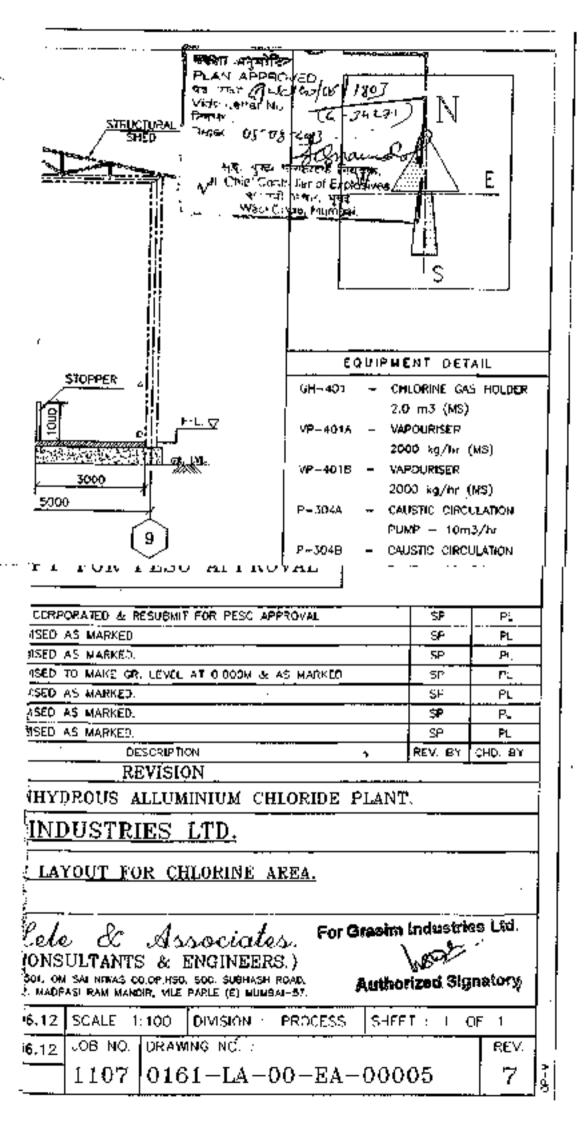
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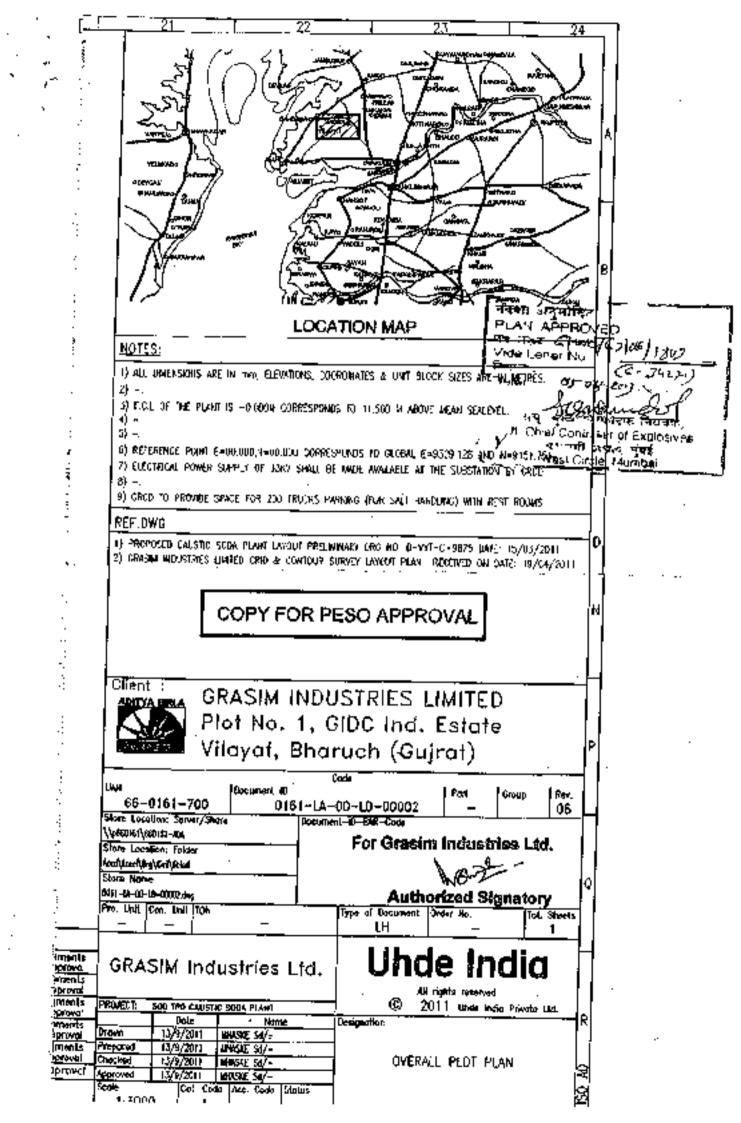
Additional conditions for a licence in Form 'F' of the Gas Cylinder Rules, 2004 for storage of liquid chlorine in tonners and cylinders.

- A valve hood assembly preferably of tild rod type for controlling leakage of chlorine through valve of a Tormer or cylinder should be made available in the premises and the supervisor / worksman should be trained in handling of the same.
- The arrangement for neutralization of at least 900 kg, of liquid chlorine should be readily available in the premises. A suitable tank to hold 1160 kg, of caustic soda and 3680 litres of water should be provided in the premises. A suitable pipeline with perforated distributor at one of the ends should be also made available for use during neutralization. The tenner / cylinder should never be immersed in the caustic soda solution.
- At least one self contained breathing apparatus and two cannister type gas masks shall be kept in / or near the premises in a readily accessible location.
- Ammonia torches for locating chlorine leaks shall be made available in / or near the premises.
- A weather cock shall be provided in a suitable location for determining wind direction so that in case of leakage of chlorine, the workers can move against wind direction.
- 6. Émergency kit consisting of various appliances and toots including valve hood assembly for cylinders and tonners, clamp for cylinder valve leaks and chain and yoke assembly for tonner valve leak shall be available with the licensee.
- In case of closure / lock up of plant, no cylinders containing chlorine shall be retained in the premises.

JL Chief Contpel West Circle.

Black Circle, New House,







MICH HERCH Government of India

शमित्रय और उद्योग मंद्रास्य Ministry of Commerce & Industry चैट्रीविज्ञन तथा विश्लीदक व्यव्हा सरकर (वैशी) euroleum & Explosives Safety Organisation (PESCI) आठडी अधिक, गण कमल विक्रित, अगाओ गण

mitor-390020 8th Floor, Yeah Kamar Building, Saynjiguni, Vadodara - 390020

II-mail: dycceberode@explosives.gov.in

Phone/Fax No : 6265 - 2225159

17847 No : PWB/GJ/15/5600 (P481445)

Roofw Classed - 05/10/2021

N.s. Grosim Industries Limited. Pigt No. 1, GIDC Vilayat Industrial Estes, playet Talus Vagra, Vilayet, Bharsch Tatuks: Vagra, District: BHARUCH, State: Gujerat PIN: 392140

0 5 OCT 2021

Trem Suit Pict No. 1, Pict No. 1, Pict No. 1, G.I.D.C Estate, Village Vitayat, Tatell Vagre, Dist. Shanuch 392012 (Gujarat), Incle., Villayet, Charuch, Taluka: Vagre, District: BHARUCH, State: Gujarat, PIN: 392012 में पेट्रॉनियम वर्ग A का अधिप्रकार अनुमेरित जोगे करने के बारे में ।

Patroleum Claie A Instellation is Plot No.1, Plot No.1, Plot No.1, GLD.C Estate, Village Villayer, Tahell Vegra, Disc. Sharuch 382012 (Gujerat), India, Villayer, Sharuch, Taluka: Vegra, Discrict: BHARUCH, State: Gujerat, PRI: 300012 Grant of License regarding.

AFTER (SI

work and no gode of flow 05-10/2021 or anatom of 1

Please refer to your letter No. nll dated 06/10/2021

दिवदान्तरात अधिकाधन में निकाशिक्त पेट्रेसियम पदार्थी के तर्न तथा मान के मंद्रारण के लिए पेट्रेसियम मियम 2002 के अधीन करण - XV में क्वीकृत दिवान 31/12/2025 तक वैध अनुवन्ति तंकार PIWE/CU15/9800 (P461445) fortier 08/10/2021 #oft on 18/1 8 1

License No. PAVBIGU15/9900 (P481448) detect \$5/19/2021 granted in Form XV under the Petroleum Rules, 2002 and valid till \$1/12/2025 for the storage of the (alphwing kinds and quantities of Petroleum at the subject installation is forwarded herawith

वेट्टानियम का विकास Description of Petroleum	विक्रोमीटर्स में अधूनात समात Guarriy insecution
ரி ச் நர்ச நேரியை , Petroleum Class A in tulk	1570.50 KL
को क प्रयोज पेट्रिकियम से जिल्ला ,Forcioum Class A. otherwise then it bulk	NIL
ार्ग का प्रमुख मेट्रॉसियम ,Petroleum Class B in bulk	NIL.
वर्ग क प्रश्नेज पेट्रेनियम से मिल्ल (Petroleum Class B. otherwise tran in bulk	MIL.
को म प्रपृत पेट्रोविषम (Patroleum Class C in bulk	ML
को म जांद्र पेट्रेसिक्स से क्षित्र /Februaum Class Cotherwise than in bush	HIL
MIR BERT / Total Capacity	1670 60 KL

हुमका मेहीरियम निवास 2002 के अधील बालार गर जिलाम 148 में ही तई प्रवित्य का नवाई से पासन करें और अनुसन्ति के सरीकारण हुए समस्य दासावीकों को अनुसन्ति की बीधार सरकारों की स्वाप्त कर साम .ii. Chief Controllar of Explosives. Vadodara भी प्रीशः स्ट्रे

a follow the procedure strictly as leid down in rule 148 of the Petroleum Rules. 2002 and submit complete documents for the Renewal of the licence to Jr. Chief Controller of Explosives, Vadodara, so as to reach his office on or before the date on which Licence expires.

या अनुस्टेशन अनुसरी अस्य प्रतिसारियों से अस्तराक अनुस्ति।स्टेशन्स ब्रान्ड करने से या दशा लग्न अन्य दिवियों से एट लड़ी देरी है ।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable

((Visre gast) (Sanjay Kumar)) Browner Brown

arette Woors

Controller of Explosives জুন মন্ত্ৰন মুক্তৰ উপন্যতন সিংগ্ৰহ For Jt. Chief Controller of Explosives দৰ্শকে/Vacodara

The Denict Magathata & Collector: BHARUCHIGUstral) with reference to his NDC No MAG/WDC/WSR073908796310001 Dated 31/06/0021

(प्रथम अनुसूची का अनुच्छेद ६ देखिए) FORM XV (see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोसियम के आयात और अंडारकरण व LICENCE TO IMPORT AND STORE PETROLEUM IN

जन्त्रप्ति सं (Licence No.) : P/WB/GJ/15/5600(P451445)

(Fee Rs.) 50000/- per year

M/s. Grasim Industries Limited, Plot No.1, GIDC Vilayat Industrial Estae., Vilayat Taluk Vagra, Vilayat, Bharucht Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392140 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 1570.00 KL आपात करने के लिए और उसका, नीधे वर्णित और अनुमंदित जनशा संख्या P/WB/GJ/15/5600(P451445) तारीख 05/10/2021 जो कि इससे उपाबद हैं. में दिखाए गए स्थान पर अण्डारकरण के सिए पेट्रोलियम अधिनियम, 1934 के उपबंधी या उसके अधीन बनाए गए नियमों तथा इस अनुज़रित की अतिरिक्त शतों के अधीन रहते हुए, यह अनुज़रित अनुदृत्त की जाती हैं।

Licence is hereby granted to M/s. Grasim Industries Limited, Piot No.1, GIDC Vilayat Industrial Estae., Vilayat Taluk Vagra, Vilayat, Bharuch, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392140 valid only for the importation and storage of 1570.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/WB/GJ/15/5600(P451445) dated 05/10/2021 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुजय्ति 31st day of December 2025 तक प्रवृत रहेगी । The Licence shall remain in force till the 31st day of December 2025

पेट्रोलियम का विवरण /Description of Petroleum

अनुजप्त साम्रा (किसोसीटरी में) /Quantity licenced in KL

वर्ग क प्रपृत पेट्रोलियम /Petroleum Class A in bulk 1570.00 KL वर्ग क प्रपंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk NIL तर्ग ख प्रपंज पेट्रोलियम /Petroleum Class B in bulk NIL वर्ग छ प्रपृंज पेट्रोलियम से मिन्न /Petroleum Class B, otherwise than in bulk NIL वर्ग ग प्रपृंज पेट्रोलियम /Petroleum Class C in bulk NIL वर्ग ग प्रपूज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk NII

क्स समता /Total Capacity

1570.00 KL

October 5, 2021

For Jt. Crief Controller of Explosives

WB Vadodara

अंयुवत मुख्य विस्फोटक नियंत्रक, वडोत्स Joint Chief Controller of Explosives, Vadouara

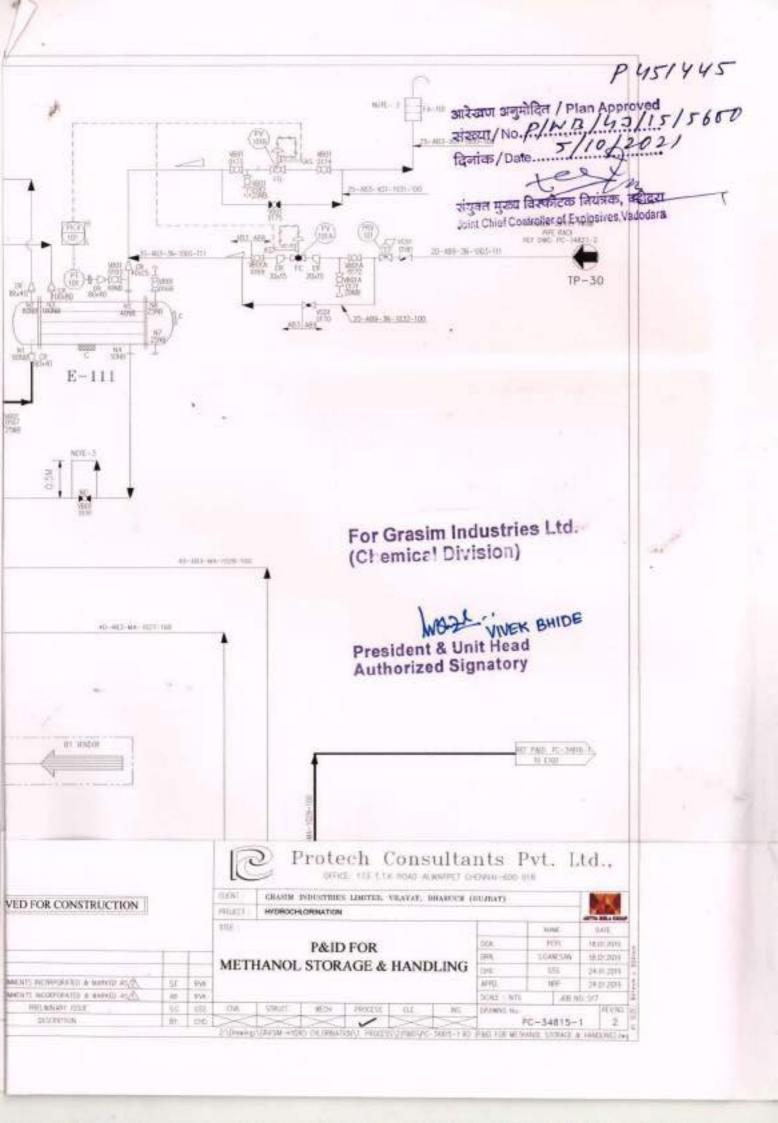
अनुज्ञप्त परिसरों का विवरण और अवस्थान DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

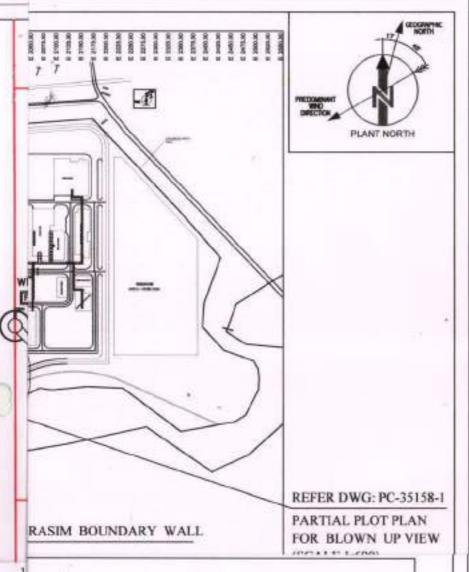
जनुजन्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टयां लंबन्न अनुमोदित नक्शी में दिखाई गई है Plot No: Plot No.1, Plot No.1, G.I.D.C Estate, Village Villayet, Tahsil Vagra, Dist. Bharuch 392012 (Gujarat), India, Vilayat, Bharuch, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392012 स्थान पर अवस्थित है तथा उसमें निम्नलिखित 2 Above Ground tank(s) for CLASS A of 785 KL each, सम्मिलित हैं।

The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No. 1, Plot No.1, G.I.D.C Estate, Village Villayat, Tahsii Vagra, Dist. Bharuch 392012 (Gujarat), India, Villayat, Bharuch, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392012 and consists of 2 Above Ground tankje) for CLASS A of 785 KL each, together with connected facilities.

Note:-This is system generated document does

not require signature.





P 451445 आरेखण अनुमोदित / Plan Approved संख्या / No. P. / W / B / G J / 1 5 / 5 / 6 ए दिनांक/Date.... 5/10/202/ संयुक्त मुख्य विस्फ Joint Chief Controller of Explosives, Vadocara

000m= RL EL + 12.500

1.000m = RL EL + 11.500

PER PESO COMMENT	RP/PP	DM
National Control of the Control of t	RP/PP	DM
E-MAIL DATED 26.09.19) INCORPORATED AND REVISION MARKED AS 🔝	MKK	SP
(MDE Lr. APPROVAL No. NA (P451445) Dt.27.08.19) INCORPORATED.	MKK	SP
IMMENTS (MDE E-MAIL DATED 10.06.19) INCORPORATED.	MKK	3P
DESCRIPTION	BY.	CHD

SIM INDUSTRIES LIMITED.

DIVISION, VILAYAT, PLOT 1, GIDC VILAYAT INDUSTRIAL ESTATE, AT, TALUK: VAGRA, BHARUCH-392130, GUJARAT-INDIA.

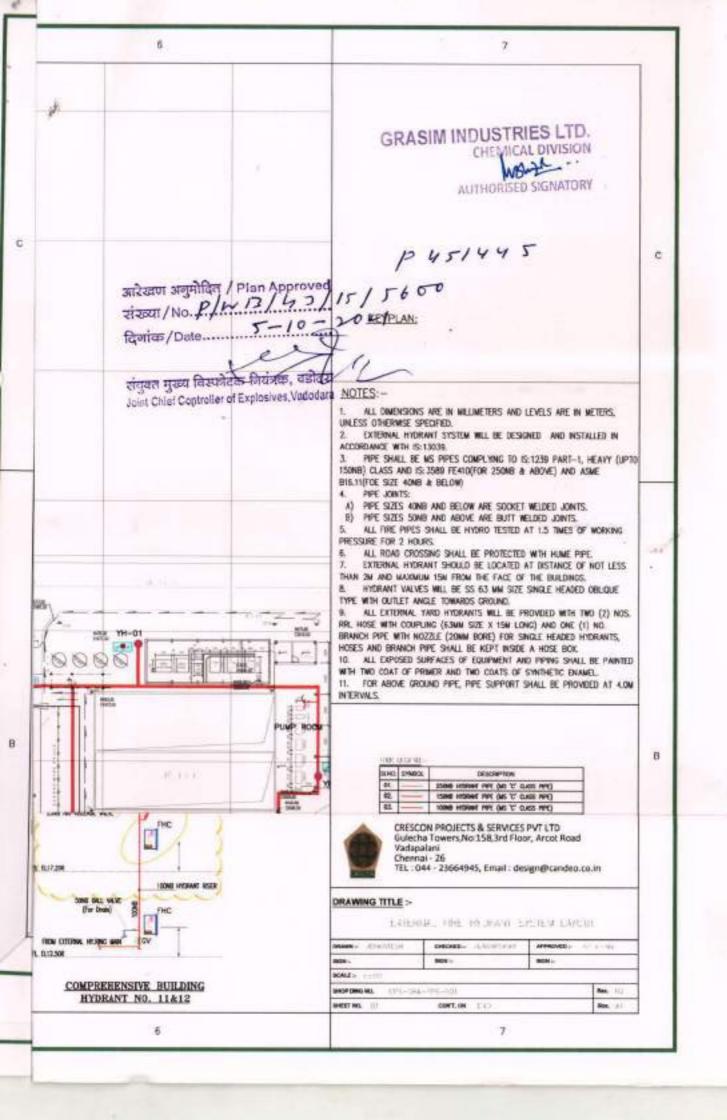
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TANK -	(2 x 82	6.6 KL)	
I CLASS	S-A)		
PROCESS	ELE.	INS.	

NAME DATE PCPL DGN. 04.05.2019 MKK DRN. 04.05.2019 SP CHD. 04.05.2019 NRP APPD. 04.05.2019

SCALE: 1:150 JOB NO.: 517 DRAWING No.

REV.NO. PC-35157-1

RO CHLORINATION\2. MECH\PESO\PC-35157-1 R3 METHANOL STORAGE-PESO LAYOUT.dwg



					DES	IGN DATA	
NOZZ. R.F. PAD			DESIGN CODE			API 620 ED. 2013	
PROJ.	ODXIDXTHK.	REMARKS	TAG NO.			TK-101 A/B	
	180x90x10THK.	WITH DIP PIPE	MEDIUM			METHYL ALCOHOL (METH	HANOL) 240
1	217x117x10THK	AS SHOWN	SP.GRAVITY			0.787	PTS
		AS SHOWN	-	OP.	Ž.	१५०० आरेखण अनु	मोदित / Plan Approved
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	180x90x10THK.			OP.		FULL OF CHIEF / Da	ta
	-	WITH DIP PIPE	TEMP. 'C	-		30 / 50	2
150	217x117x10THK			DES.		ांग्रक्त मञ्जी	विस्फोडक नियंत्रक, क्षीव्रा
	TOTAL STREET,	WITH DIP PIPE	CORR. ALL.mm.	é i			rupille of Explosives, Vadodala
	180x90x10THK	with Dr. Fire	RADIOGRAPHY			75-75 No. 10-10-10-10-10-10-10-10-10-10-10-10-10-1	T' JOINTS '
	180x90x10THK	WITH B/F				BOTTOM : FULL	
			JT. EFFICIENCY			SHELL: 0.85 BOTT	IDM : 1.0
		AS SHOWN	STRESS RELEIVE	ING		NL	
			VOLUME M3			ACTUAL: 826.6 NORM	MAL : 763
	180x90x10THK.		Wt. EMPTY Kg	11:		~ 41015	
200	913x613x10THK		WL OF INT. Kg	g.		180	
300	913x613x10THK	DELETED	OP. WEIGHT Kg	K		~ 689615	
		4	TEST WEIGHT K	g.		~ 865160	
			INSPECTION			BY CLIENT/AUTH, REP.	
			INSULATION			NL	
			PAINTING QTY. (Nos.)			REFER NOTE NO:-15 2 (TWO)	
			Marie Greeny			1 Z (ino)	
			COTTONIAL LOAD	DATE		LOOPTON DE	
			EXTERNAL LOAD	DATA		LOCATION + DA	ILIE T COLUMBAT MINIS
	_			Carolina .			HEJ, GLIARAT, INDIA
7	-		WIND LOAD DATA	λ:	at (names) anna	SEISMIC DATA:	9 442
F			WIND LOAD DATA REFERENCE	A: : IS:81	75 (PARTS) : 1987	SEISMIC DATA: REFERENCE	: IS:1893
E	ED		WIND LOAD DATA	: IS:8 ED : 50	m/sec	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE	: IS:1893 : ZONE #
E	ED		WIND LOAD DATA REFERENCE	: IS:8 ED : 50		SEISMIC DATA: REFERENCE	: IS:1893
E	ED		WIND LOAD DATA REFERENCE	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT	: IS:1893 : ZONE #
E	ΞD		WIND LOAD DATA REFERENCE BASIC WIND SPE	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS	: IS:1893 : ZONE III : AS PER IS:1893
E	ED		WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
E	ΞD		WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
E	E D		WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
	ED		WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
DR.	AWING NUMBI	ER -100	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE	: IS:8 ED : 50	m/sec n ABOVE GROUND) M	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
DR. EE-DE- EE-DE-	AWING NUMB TK-101A/B-M- TK-101A/B-M	ER -100 -101	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE RAFTER	: IS:8 ED : 50	m/sec n ABOVE GROUND)	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
DR. EE-DE- EE-DE-	AWING NUMB TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES	: IS:8 ED : 50	m/sec n ABOVE GROUND) M	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR	: IS:1893 : ZONE III : AS PER IS:1893
DR E-DE- E-DE- E-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE RAFTER	: IS:8 ED : 50	m/sec n ABOVE GROUND) M PIPE FLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR SA 106 Gr. B SA 105	: IS:1893 : ZONE III : AS PER IS:1893
DR. E-DE- E-DE- E-DE- E-DE-	AWING NUMB TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE	: IS:8 : IS:8 : IO: (10:n	m/sec n ABOVE GROUND) M PIPE FLANGE PLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR SA 106 Gr. B SA 105 IS:2062 Gr. E250 BR SA 105 SAME AS SHELL	: IS:1893 : ZONE III : AS PER IS:1893
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI -TK-101A/B-M- -TK-101A/B-M- -TK-101A/B-M- -TK-101A/B-M- -TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER	: IS:8 ED : 50 (10n	PIPE FLANGE PLANGE FLANGE FLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR SA 105 IS:2062 Gr. E250 BR SA 105 SAWE AS SHELL ROAD ALWARPET MA	: IS:1893 : ZONE II : AS PER IS:1893
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	WIND LOAD DATA REFERENCE BASIC WIND SPE SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE	: IS:8 ED : 50 (10n	PIPE FLANGE PIPE FLANGE FLANGE FLANGE FRICE: 173, T.T.K	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR IS:2062 Gr. E250 BR SA 105 IS:2062 Gr. E250 BR SA 105 SAME AS SHELL ROAD ALWARPET MA	: IS:1893 : ZONE II : AS PER IS:1893
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER	: IS:8 ED : 50 (10a	PIPE FLANGE PIPE FLANGE FLANGE FILE FLANGE FILE FLANGE FILE FLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062	: IS:1893 : ZONE II : AS PER IS:1893
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN	: IS:8 ED : 50 (10a	PIPE FLANGE PIPE FLANGE FLANGE FILE FLANGE FILE FLANGE FILE FLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062	: IS:1893 : ZONE II : AS PER IS:1893
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED	15.8 EED : 50 (10n	PIPE FLANGE PIPE FLANGE FLANGE FILE FILE FLANGE FILE FLANGE FILE FLANGE FLANGE FLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062	: IS:1893 : ZONE II : AS PER IS:1893 DRAS-600 018 L INDIA PVT. LTD. AND DETAILS FOR TANK ((TK-101 A/B))
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED	: IS:8 ED : 50 (10a HBS ABS ABS	PIPE FLANGE PIPE FLANGE PIPE FLANGE FLANGE FLANGE FFICE: 173, T.T.K KAYP TITLE:— GENE METH/ TAG.NO. : (TK-	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR SA 105 SA 105 SAWE AS SHELL ROAD ALWARPET MA EE MECHANICAL BHARUCH:3920 ERAL ASSEMBLY ANOL STORAGE 101 A/B) INSP.	: IS:1893 : ZONE II : AS PER IS:1893
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED DATE 30 SCALE	ED : 50 (10n) HBS ABS ABS ABS 0.08.2019	PIPE FLANGE PIPE FLANGE FLANGE FILE FILE FLANGE FILE FLANGE FILE FLANGE FLANGE FLANGE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR SA 105 IS:2062 Gr. E250 BR SA 105 SAME AS SHELL ROAD ALWARPET MA EE MECHANICAI BHARUCH-1982 ERAL ASSEMBLY ANOL STORAGE TO THE SEISMIN S	: IS:1893 : ZONE II : AS PER IS:1893 DRAS-600 018 L INDIA PVT. LTD. 002 AND DETAILS FOR TANK ((TK-101 A/B)) .BY: BY CLIENT/TPI
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED DATE 30 SCALE	ED : 50 (10m	PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE FITTLE:- GENE METH/ TAG.NO. : (TK- PROJECT : HYDE	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062	: IS:1893 : ZONE II : AS PER IS:1893 DRAS-600 018 L INDIA PVT. LTD. 002 AND DETAILS FOR TANK ((TK-101 A/B)) .BY: BY CLIENT/TPI
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED DATE 30 SCALE QTY. REF. DATA SH	L ISS ED : 50 (10n (10n HBS ABS ABS 0.08.2019 NTS 2 Nos. EET. No.	PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE FITTLE:- GENE METH/ TAG.NO.: (TK- PROJECT: HYDE REF.PO NO: 7220 KAYPEE JOB No.:	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR SA 105 IS:2062 Gr. E250 BR SA 105 SAME AS SHELL ROAD ALWARPET MA EE MECHANICAI BHARUCH-J922 ERAL ASSEMBLY ANOL STORAGE TO 101 A/B) INSP. 10000294 DT:02/08/2	: IS:1893 : ZONE II : AS PER IS:1893 DRAS-600 018 L INDIA PVT. LTD. AND DETAILS FOR TANK ((TK-101 A/B)) BY: BY CLIENT/TPI
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED DATE 30 SCALE QTY.	L ISS ED : 50 (10n (10n HBS ABS ABS 0.08.2019 NTS 2 Nos. EET. No.	PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE FITTLE:- GENE METH/ TAG.NO. : (TK- PROJECT : HYDE REF.PO NO: 7220 KAYPEE JOB No.: VENDOR DRAWING	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR IS:2062	: IS:1893 : ZONE II : AS PER IS:1893 DRAS-600 018 L INDIA PVT. LTD. AND DETAILS FOR TANK ((TK-101 A/B)) BY: BY CLIENT/TPI 2019 SHEET No. REV. No.
DR. EE-DE- EE-DE- EE-DE- EE-DE- EE-DE-	AWING NUMBI TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M- TK-101A/B-M-	ER -100 -101 -102 -103 -104 -105	SHELL CONE ROOF BOTTOM PLATE RAFTER NOZZLES MAN HOLE COVER PAD PLATE MANUFACTURER DRAWN CHECKED APPROVED DATE 30 SCALE QTY. REF. DATA SH	L ISS ED : 50 (10n (10n HBS ABS ABS 0.08.2019 NTS 2 Nos. EET. No.	PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE PIPE FLANGE FITTLE:- GENE METH/ TAG.NO. : (TK- PROJECT : HYDE REF.PO NO: 7220 KAYPEE JOB No.: VENDOR DRAWING	SEISMIC DATA: REFERENCE SEISMIC ZONE OF SITE SEISMIC COEFFICIENT ATERIALS IS:2062 Gr. E250 BR SA 105 IS:2062 Gr. E250 BR SA 105 SAME AS SHELL ROAD ALWARPET MA EE MECHANICAI BHARUCH-J922 ERAL ASSEMBLY ANOL STORAGE TO 101 A/B) INSP. 10000294 DT:02/08/2	: IS:1893 : ZONE II : AS PER IS:1893 DORAS-600 018 L INDIA PVT. LTD. AND DETAILS FOR TANK ((TK-101 A/B)) BY: BY CLIENT/TPI 2019 SHEET No. REV. No.



Near G.I.D.C. Office, Char Rasta, Vapi-396 195, Gujarat, India.

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150 40001:2018 Certified Company

TEST REPORT (STACK MONITORING)

ULR - TC775322000006550F					
Test Report No.	URA/22/04/D/S-007	Report Issue Date:	03/05/2022		
Service Request form No.	URA/SRF/04/007	Service Request Date	13/04/2022		
Sample ID No.	URA/ID/S-22/04/007	Field Data Sheet No.:	URA/FDS/S-22/04/007		
Name & Add. of Customer	M/s. Grasim Industries Limite	d			
	Grasim Cellulosic Division,				
	Plot No. 1, GIDC,				
	Vilayat Industrial Estate,				
	District – Bharuch, Gujarat, Pi	n Code – 392012 (India)			
Date of Sampling	13/04/2022	Date of Testing	14/04/2022		
Stack Sampling Attached to	Power Plant 1				
Air Pollution Control Device	ESP (Electrostatic Precipitator	ESP (Electrostatic Precipitator)			
Fuel Used	Coal				

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15
Cali. Date:	26/06/2021	Next Cali. Due On:	25/06/2022

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	39
4.	Flue Gas Temperature	°C	120
5.	Exit Gas Velocity	m/s	1.2
6.	Exit Gas Flow	m³/h	143278.4

Test Parameter Results

DISCIE	PLINE – CHEMICAL TESTING		NAME OF GRO	OUP – ATMOSPI	HERIC POLLUTION
Sr.	Test Parameter	Unit of	Result	Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	28	<50	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	39	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	36	<50	IS: 11255 (Part 07)

Remarks:	
Opinion & Interpretation (if required):	

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist) Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 26 UERL/AIR/F-04/04

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TEST REPORT (STACK MONITORING)

ULR - TC775322000006551F				
Test Report No.	URA/22/04/D/S-008	Report Issue Date:	03/05/2022	
Service Request form No.	URA/SRF/04/008	Service Request Date	13/04/2022	
Sample ID No.	URA/ID/S-22/04/008	Field Data Sheet No.:	URA/FDS/S-22/04/008	
Name & Add. of Customer	M/s. Grasim Industries Limited	d		
	Grasim Cellulosic Division,			
	Plot No. 1, GIDC,			
	Vilayat Industrial Estate,			
	District – Bharuch, Gujarat, Pir	n Code – 392012 (India)		
Date of Sampling	13/04/2022	Date of Testing	14/04/2022	
Stack Sampling Attached to	Power Plant 2			
Air Pollution Control Device	ESP (Electrostatic Precipitator)			
Fuel Used	Coal		·	

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15
Cali. Date:	26/06/2021	Next Cali. Due On:	25/06/2022

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	41
4.	Flue Gas Temperature	°C	121
5.	Exit Gas Velocity	m/s	1.3
6.	Exit Gas Flow	m³/h	155218.3

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Test Parameter	Test Parameter Unit of Result Permissible Test Met			
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	22	<50	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	35	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	38	<50	IS: 11255 (Part 07)

Remarks:	
Opinion & Interpretation (if required):	

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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GPCB Recognized Environmental Auditor (Schedule-II)

150 90012015 Certified Company

150 40001:2018 Certified Company

TEST REPORT (STACK MONITORING)

ULR - TC775322000008242F						
Test Report No.	URA/22/05/D/S-007	Report Issue Date:	08/06/2022			
Service Request form No.	URA/SRF/05/007	Service Request Date	30/05/2022			
Sample ID No.	URA/ID/S-22/05/007	Field Data Sheet No.:	URA/FDS/S-22/05/007			
Name & Add. of Customer	M/s. Grasim Industries Limit	ed				
	Grasim Cellulosic Division,					
	Plot No. 1, GIDC,					
	Vilayat Industrial Estate,					
	District – Bharuch, Gujarat, P	in Code – 392012 (India)				
Date of Sampling	30/05/2022	30/05/2022 Date of Testing 31/05/2022				
Stack Sampling Attached to	Power Plant 1					
Air Pollution Control Device	ESP (Electrostatic Precipitator)					
Fuel Used	Coal		·			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Inst. Name:	Stack Monitoring Kit, VSS1 Serial Number: 467 DTJ 15				
Cali. Date:	26/06/2021	Next Cali. Due On:	25/06/2022		

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	40
4.	Flue Gas Temperature	°C	124
5.	Exit Gas Velocity	m/s	1.6
6.	Exit Gas Flow	m³/h	191037.9

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Sr. Test Parameter Unit of Result Permissible Test Me				Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	26	<50	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	41	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	33	<50	IS: 11255 (Part 07)

Remarks:	
Opinion & Interpretation (if required):	

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT (STACK MONITORING)

	(STACK II					
ULR - TC775322000008243F						
Test Report No.	URA/22/05/D/S-008	Report Issue Date:	08/06/2022			
Service Request form No.	URA/SRF/05/008	Service Request Date	30/05/2022			
Sample ID No.	URA/ID/S-22/05/008	Field Data Sheet No.:	URA/FDS/S-22/05/008			
Name & Add. of Customer	M/s. Grasim Industries Lir	nited				
	Grasim Cellulosic Division,	Grasim Cellulosic Division,				
	Plot No. 1, GIDC,					
	Vilayat Industrial Estate,					
	District – Bharuch, Gujarat	, Pin Code – 392012 (India)				
Date of Sampling	30/05/2022	Date of Testing	31/05/2022			
Stack Sampling Attached to	Power Plant 2					
Air Pollution Control Device	ESP (Electrostatic Precipitator)					
Fuel Used	Coal					

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15		
Cali. Date:	26/06/2021	Next Cali. Due On:	25/06/2022		

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	39
4.	Flue Gas Temperature	°C	125
5.	Exit Gas Velocity	m/s	1.8
6.	Exit Gas Flow	m³/h	214917.6

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Test Parameter	Result	Permissible	Test Method	
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	20	<50	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	37	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	36	<50	IS: 11255 (Part 07)

Remarks:
Opinion & Interpretation (if required):

***** End of Report ******

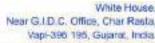
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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Phone : +91 260 2433966 / 2425610 Einail : response@uerLin Wabsite : www.uerLin



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TEST REPORT (STACK MONITORING)

Test Report No.	URA/22/06/D/S-007	Report Issue Date:	05/07/2022		
Service Request form No.	URA/SRF/06/007	Service Request Date	28/06/2022		
Sample ID No.	URA/ID/S-22/06/007	Field Data Sheet No.:	URA/FDS/S-22/06/007		
Name & Add. of Customer	M/s. Grasim Industries Limited	I			
	Grasim Cellulosic Division,				
	Plot No. 1, GIDC,				
	Vilayat Industrial Estate,				
	District – Bharuch, Gujarat, Pin Code – 392012 (India)				
Date of Sampling	28/06/2022 Date of Testing 29/06/2022				
Stack Sampling Attached to	Power Plant 1				
Air Pollution Control Device	ESP (Electrostatic Precipitator)				
Fuel Used	Coal	·			

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15	
Cali. Date:	23/06/2022	Next Cali. Due On:	22/06/2023	

> General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	40
4.	Flue Gas Temperature	°C	122
5.	Exit Gas Velocity	m/s	1.4
6.	Exit Gas Flow	m³/h	167158.2

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. Test Parameter Unit of Result Permissible Test Met				Test Method	
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	20	<50	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	33	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	35	<50	IS: 11255 (Part 07)

Remarks:
Opinion & Interpretation (if required):

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 34 UERL/AIR/F-04/04

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Email: response@uerLin Website: www.uerLin

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TEST REPORT (STACK MONITORING)

Test Report No.	URA/22/06/D/S-008	Report Issue Date:	05/07/2022	
Service Request form No.	URA/SRF/06/008	Service Request Date	28/06/2022	
Sample ID No.	URA/ID/S-22/06/008	Field Data Sheet No.:	URA/FDS/S-22/06/008	
Name & Add. of Customer	M/s. Grasim Industries Limited	i		
	Grasim Cellulosic Division,	Grasim Cellulosic Division,		
	Plot No. 1, GIDC,			
	Vilayat Industrial Estate,			
	District – Bharuch, Gujarat, Pir	n Code – 392012 (India)		
Date of Sampling	28/06/2022	Date of Testing	29/06/2022	
Stack Sampling Attached to	Power Plant 2			
Air Pollution Control Device	ESP (Electrostatic Precipitator)			
Fuel Used	Coal	·		

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15	
Cali. Date:	23/06/2022	Next Cali. Due On:	22/06/2023	

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	40
4.	Flue Gas Temperature	°C	120
5.	Exit Gas Velocity	m/s	1.1
6.	Exit Gas Flow	m³/h	131338.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Sr. Test Parameter Unit of			Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	24	<50	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	30	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	33	<50	IS: 11255 (Part 07)

Opinion & Interpretation (if required):

***** End of Report ******

Checked By:

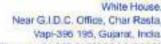
Remarks:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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GPCB Recognized Environmental Auditor (Schedule-II)

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150 40001:2018 Certified Company

TEST REPORT (STACK MONITORING)

	(SIACK II				
Test Report No.	URA/22/07/D/S-007	Report Issue Date:	03/08/2022		
Service Request form No.	URA/SRF/07/007	Service Request Date	07/07/2022		
Sample ID No.	URA/ID/S-22/07/007	Field Data Sheet No.:	URA/FDS/S-22/07/007		
Name & Add. of Customer	M/s. Grasim Industries Lir	nited			
	Grasim Cellulosic Division,	Grasim Cellulosic Division,			
	Plot No. 1, GIDC,				
	Vilayat Industrial Estate,				
	District – Bharuch, Gujarat	, Pin Code – 392012 (India)			
Date of Sampling	07/07/2022	Date of Testing	08/07/2022		
Stack Sampling Attached to	Power Plant 1	Power Plant 1			
Air Pollution Control Device	ESP (Electrostatic Precipita	tor)			
Fuel Used	Coal				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15	
Cali. Date:	23/06/2022	Next Cali. Due On:	22/07/2023	

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m²	33.1663
3.	Ambient Temperature	°C	34
4.	Flue Gas Temperature	°C	124
5.	Exit Gas Velocity	m/s	1.3
6.	Exit Gas Flow	m³/h	155218.3

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Sr. Test Parameter Unit of			Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	18	<150	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	36	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	31	<50	IS: 11255 (Part 07)

Opinion & Interpretation (if required):

Remarks:

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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ISO 40001:2018 Certified Company

TEST REPORT (STACK MONITORING)

	(SIACK IV				
Test Report No.	URA/22/07/D/S-008	Report Issue Date:	03/08/2022		
Service Request form No.	URA/SRF/07/008	Service Request Date	07/07/2022		
Sample ID No.	URA/ID/S-22/07/008	Field Data Sheet No.:	URA/FDS/S-22/07/008		
Name & Add. of Customer	M/s. Grasim Industries Lim	nited			
	Grasim Cellulosic Division,	Grasim Cellulosic Division,			
	Plot No. 1, GIDC,				
	Vilayat Industrial Estate,	Vilayat Industrial Estate,			
	District – Bharuch, Gujarat,	Pin Code – 392012 (India)			
Date of Sampling	07/07/2022	Date of Testing	08/07/2022		
Stack Sampling Attached to	Power Plant 2	Power Plant 2			
Air Pollution Control Device	ESP (Electrostatic Precipitat	tor)			
Fuel Used	Coal				

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Inst. Name:	Stack Monitoring Kit, VSS1 Serial Number: 467 DTJ 15				
Cali. Date:	23/06/2022	Next Cali. Due On:	22/07/2023		

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m²	33.1663
3.	Ambient Temperature	°C	35
4.	Flue Gas Temperature	°C	122
5.	Exit Gas Velocity	m/s	1.2
6.	Exit Gas Flow	m³/h	143278.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Sr. Test Parameter Unit of			Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	27	<150	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	34	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	38	<50	IS: 11255 (Part 07)

Opinion & Interpretation (if required):

Remarks:

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 27 UERL/AIR/F-04/04

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TEST REPORT (STACK MONITORING)

ULR - TC775322000010215F					
Test Report No.	URA/22/08/D/S-007	Report Issue Date:	01/09/2022		
Service Request form No.	URA/SRF/08/007	Service Request Date	06/08/2022		
Sample ID No.	URA/ID/S-22/08/007	Field Data Sheet No.:	URA/FDS/S-22/08/007		
Name & Add. of Customer	M/s. Grasim Industries Lim	nited			
	Grasim Cellulosic Division,				
	Plot No. 1, GIDC,				
	Vilayat Industrial Estate,				
	District – Bharuch, Gujarat,	Pin Code – 392012 (India)			
Date of Sampling	06/08/2022	Date of Testing	08/08/2022		
Stack Sampling Attached to	Power Plant 1				
Air Pollution Control Device	ESP (Electrostatic Precipitator)				
Fuel Used	Coal				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Inst. Name:	Stack Monitoring Kit, VSS1 Serial Number: 467 DTJ 15				
Cali. Date:	23/06/2022	Next Cali. Due On:	22/08/2023		

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	34
4.	Flue Gas Temperature	°C	121
5.	Exit Gas Velocity	m/s	1.2
6.	Exit Gas Flow	m³/h	143278.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Sr. Test Parameter Unit of			Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	21	<150	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	30	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	34	<50	IS: 11255 (Part 07)

Remarks:
Opinion & Interpretation (if required):

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 26 UERL/AIR/F-04/04

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TEST REPORT (STACK MONITORING)

ULR - TC775322000010216F					
Test Report No.	URA/22/08/D/S-008	Report Issue Date:	01/09/2022		
Service Request form No.	URA/SRF/08/008	Service Request Date	06/08/2022		
Sample ID No.	URA/ID/S-22/08/008	Field Data Sheet No.:	URA/FDS/S-22/08/008		
Name & Add. of Customer	M/s. Grasim Industries Lin	nited			
	Grasim Cellulosic Division,				
	Plot No. 1, GIDC,				
	Vilayat Industrial Estate,				
	District – Bharuch, Gujarat,	Pin Code – 392012 (India)			
Date of Sampling	06/08/2022	Date of Testing	08/08/2022		
Stack Sampling Attached to	Power Plant 2				
Air Pollution Control Device	ESP (Electrostatic Precipitator)				
Fuel Used	Coal	Coal			

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Inst. Name:	Stack Monitoring Kit, VSS1 Serial Number: 467 DTJ 15				
Cali. Date:	23/06/2022	Next Cali. Due On:	22/08/2023		

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	34
4.	Flue Gas Temperature	°C	125
5.	Exit Gas Velocity	m/s	1.4
6.	Exit Gas Flow	m³/h	167158.2

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr.	Test Parameter	Unit of	nit of Result Permissible Test Metho			
No.		measurement		Limit		
1.	Particulate Matter	mg/Nm³	30	<150	IS: 11255 (Part 01)	
2.	Sulphur Dioxide	ppm	36	<100	IS: 11255 (Part 02)	
3.	Oxide of Nitrogen	ppm	34	<50	IS: 11255 (Part 07)	

Remarks:	
Opinion & Interpretation (if required):	

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**

Jaivik S. Tandel (Manager - Operations)

Page | 27 UERL/AIR/F-04/04

Note: This report is subject to Terms and Conditions mentioned overleaf.

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Environment and Research Labs Pvi. Lite

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TEST REPORT (STACK MONITORING)

ULR - TC775322000010917F	<u> </u>				
Test Report No.	URA/22/09/D/S-007	Report Issue Date:	03/10/2022		
Service Request form No.	URA/SRF/09/007	Service Request Date	03/09/2022		
Sample ID No.	URA/ID/S-22/09/007	Field Data Sheet No.:	URA/FDS/S-22/09/007		
Name & Add. of Customer	M/s. Grasim Industries Lir	nited			
	Grasim Cellulosic Division,	Grasim Cellulosic Division,			
	Plot No. 1, GIDC,	Plot No. 1, GIDC,			
	Vilayat Industrial Estate,	/ilayat Industrial Estate,			
	District – Bharuch, Gujarat	District – Bharuch, Gujarat, Pin Code – 392012 (India)			
Date of Sampling	03/09/2022	Date of Testing	05/09/2022		
Stack Sampling Attached to	Power Plant 1	Power Plant 1			
Air Pollution Control Device	ESP (Electrostatic Precipita	ESP (Electrostatic Precipitator)			
Fuel Used	Coal	Coal			

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15	
Cali. Date:	23/06/2022	Next Cali. Due On:	22/09/2023	

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	34
4.	Flue Gas Temperature	°C	124
5.	Exit Gas Velocity	m/s	1.4
6.	Exit Gas Flow	m³/h	167158.2

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Test Parameter	Unit of	Result	Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	16	<150	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	37	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	40	<50	IS: 11255 (Part 07)

Remarks:	
Opinion & Interpretation (if required):	

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**

Jaivik S. Tandel (Manager - Operations)

Page | 34 UERL/AIR/F-04/04

Note: This report is subject to Terms and Conditions mentioned overleaf.

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Email: response@uertin Website: www.uert.in

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TEST REPORT (STACK MONITORING)

	(517101111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
ULR - TC775322000010918F				
Test Report No.	URA/22/09/D/S-008	Report Issue Date:	03/10/2022	
Service Request form No.	URA/SRF/09/008	Service Request Date	03/09/2022	
Sample ID No.	URA/ID/S-22/09/008	Field Data Sheet No.:	URA/FDS/S-22/09/008	
Name & Add. of Customer	M/s. Grasim Industries Li	mited		
	Grasim Cellulosic Division,			
	Plot No. 1, GIDC,			
	Vilayat Industrial Estate,			
	District – Bharuch, Gujara	t, Pin Code – 392012 (India)		
Date of Sampling	03/09/2022	Date of Testing	05/09/2022	
Stack Sampling Attached to	Power Plant 2	•	·	
Air Pollution Control Device	ESP (Electrostatic Precipita	ator)		
Fuel Used	Coal			

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Inst. Name:	Stack Monitoring Kit, VSS1	Serial Number:	467 DTJ 15	
Cali. Date:	23/06/2022	Next Cali. Due On:	22/09/2023	

General Stack Observation

Sr.	Description	Unit	Observation
No.			
1.	Stack Height	m	125
2.	Stack Area	m ²	33.1663
3.	Ambient Temperature	°C	34
4.	Flue Gas Temperature	°C	128
5.	Exit Gas Velocity	m/s	1.1
6.	Exit Gas Flow	m³/h	131338.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr.	Test Parameter	Unit of	Result	Permissible	Test Method
No.		measurement		Limit	
1.	Particulate Matter	mg/Nm³	18	<150	IS: 11255 (Part 01)
2.	Sulphur Dioxide	ppm	32	<100	IS: 11255 (Part 02)
3.	Oxide of Nitrogen	ppm	38	<50	IS: 11255 (Part 07)

Remarks:	
Opinion & Interpretation (if required):	

***** End of Report ******

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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BEIL INFRASTRUCTURE LIMITED

(Formely Known As Blazuch Errors Introducture Limited):

29 JANUARY, 2022

To,
GRASIM INDUSTRIES LTD. - CHEMICAL DIV. (PLOT NO.1 - 41279)
Plot No.1, GIDC,
Vilayat, Taluka Vagra,
DIST. BHARUCH,

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

You are a member of our Common Incinerator Facility and your membership No. is **CI/BD/092**. We hereby certify that your booked quantity has increased from **10 MT/Year** to **160 MT/Year**.

Thanking you,

Yours faithfully,

For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHORISED STÖMATORY

CM No.: 046309GJ1897PLC032694

Regd. Orfice : Pict No. 9701-16 GIDC Estate, Poet Box No. 82, Antidenheur 383 002, Dist. : Shamoh (Gujarat) Phones (02648) 2531 35, 275225 • Fax : (82646) 222849 • E-mail : daiwadiibd@beil.co.in Webellet www.beilco.in GRASIM INDUSTRIES LTD. - CHEMICAL DIV. (PLOT NO.1 - 41279) //INSIDE BHARUCH DISTRICT//LSI

INCINERATION MEMBERSHIP INCREASE QUANTITY AGREEMENT

CI/BD/092

CONTACT PERSON NAME: MS. SONALI CHAVAN

CONTACT PERSON MOB NO: +91-6359003906



INDIA NON JUDICIAL **** Government of Gujarat Certificate of Stamp Duty

Codiliosas No.

IN-GJ**680253**24611896U

Соляржения, од Фаје

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Account Reference

IMPACC (ACM)(C000011/18HARUCH/IGUBH

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SUB IMGUSUI 300201105523312807076U

Purchased by

MINESHPAWAR

Description of Decisions

Article 5(h) Agmerted (act observes privated 9a)

Describilion

AGREEMENT

Covarpergram Price (Bis)

(7em)

First Party

GRASIM INDILTO CHEMICAL DIVISION

Second Party

BEILINFAASTRUCTURE LTO

Samp Odly Part By

DISORVERS LINE OF CHICAGO

Biamp Duly Amount (Rs.)

300

(Times Hundred only):



For **Grasim Ind**Us&fine 17.1 {**C**1 pmion1 Finished



President & Unit Head Authorized Signatory

0025600955 -

FOS. REII. Infrastructure Ltd.

Authorizationatorias

Between

Ms. BEIL INFRASTRUCTURE LithITED (Formerly Known as Bhanuch Environ Infrastructure Lith) having its registered office at plot no 970 tids. GIDC, Analogy war, Cuparat-293000, a company registered carden the Companies Aut, 1966 and contently represented by its Vice President Operations. Shirt Mano, Parall Age about 48 seats resulting at Analogy war, terrelitable rejerted to as 186.17, which expression shall where content so requires or admits or, be deemed to include its euccessors or assignees) of on one part.

And

MIS GRASIN ENDUSTRIES LTD. • CHEMICAL DIV. (PLOT NO.1 • 43279)
PUBLIC Limited I Proprietor lain/Parine/ship finit/Private Limited companying stered under the ACT 1956, having its registered office/factory at Plot No.1, GIBC, Villayer, Talluka Vagra, Orst-Bharuch, and currently represented by its Proprietor/Partner/Authorized Signatory/ Director Ship VIVEK VILLAY BHIDE Age about 57 year, residing A1201, ARNAV AKANKSHA NACARE, NR WELEFUN COLONY, DAHEJ BYPASS ROAD, UNRAJ, NARMADA NACARE, (harmalfer referred to as MEMBER which expression shall where contest so requires or admits of the deemed to notable its successors or assignee; of the other page.

AND WHEREAS, the Idremost and the sole objective of BEIL is to provent Environmental Poliution Regercy and to observe the executional one-control metric and Poliution Control

AND WHEREAS the MEMBER desires to send its Hazardous Indineration Waste (hereinafter referred to as "INDINERATION WASTE") to the BEIL as per the norms of Gujaral Pollution Control Board (hereinafter referred to as "CPOB") and the BEIL having requisite facilities in the behalf, agrees to receive the Indineration Weste sent by the MEMBER on the terms and conditions stated hereunder which have been including agreed to be and determined by the MEMBER.

AND WHEREAS the parties hereto have decided to graculty a DEED OF AGREEMENT

NOW THIS AGREEMENT WITNESSES and it is harsby intitudity agreed by and between the parties hereto as follows.

1 DEFINITIONS AND INTERPRETATIONS

- 1 TME shall be sleded in "Hours" and shall mean indian Standard Time
- 1.5 TPAY images a general of Twelve (12) consecutive hours beginning at ()6.00 hours and ending at 20.00 hours.
- 1.3 WEEK' means a period of seven (7) consecutive days beginning from a day.
- 1.4 "MONTH" means a period pagenting at 0500 nours on the first gay of calendar months and ording at 0800 hours on the first day of succeeding calendar months.
- 1.5 "YEAR" means a period of three hundred and stocyclive (365) consecutive days or three hundred and sixty-air (366) consecutive days when such period including a twenty minth (29th) day of February, beginning at 0600 hours from a day.
- 1.6 FINANCIAL YEAP' means a penad of three hundred and sixty-files (365) consequiles days or three frontied and sixty-six (386) consequiles tays when such period inductes a swenty math (29th) day of February, beginning at 0800 hours from a day.
- 1.7 The steadings of or littles to the classes in this AGRE-MEN* shad not be deemed to be part thereof or he taken arm consideration in the interpretation or construction thereof or of the AGREEMENT.
- 1.0 Worlds imparting the engitter only also include the pitter and incertions, whole the context so requires.
- 1.9 The presenting generalitie entered in it by BEIL for collection and physical of Hazardous waste of its MEMBERS.

1.10 BEIL means BEIL Infrastructuré Limited

For Grasim Industries (5) (C) emice Their to

POR, BEIL Inferstructure Lid.

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President & Unit 1,200 Authorized Signatory

2. PERIOD OF AGREEMENT

- 2.1 This agreement shell come in force, effective from the date of signing of this experient, and shell remain effective fill any amendment nothings is made in this agreement.
- 12 The MEMBER has paid amount of Rs 3.00,000% (Rupees Three Lake Only) + Tatal GST @ 16% (CGST @ 9% and SGST @ 1% (Rs.54,000%) and previously he had paid Rs 50,000% (Total Rs 3.50,000%) towards the Membership Fees which is non-resonable.
- 2.5 Soft the paries heleto agree that the present Agreement shall histomascally como to an end in any of the following eventual lies.
- On expiry of Authorization ig sinice to the MEMSER and the same having not been renewed at the same having been not granted by GPCB.
- (ii) On expery of the présent Agréement where no tresh agreement is signed and executed between parties hereto as mentioned above.
- 2.4 Both the parties hereto further agree that in uses of the present Agreement coming to an end dwing to any of the aforesent eventually. It will be the sole responsibility of the MEMBER to hambe and treat its incidentation waste in Agreeding with the relevant provisions of law and that SELL will not be responsible in any manner whatspever in respect of the incidence waste of the MEMBERS.

3 OBLIGATION OF THE MEMBERS

- 3.1 White emerging into the present Agraement with BEIL, MEMBER shall submit the coopgries of inconcration Waste and its desire to dispose of the same and that the paid caregories of incineration (Waste shall be as per those specified in the Schedule to Hazardous Waste (Management and Handling) Rules 2016 or as per any new amendment or rules under the above Act and permitted by 3PQB. The MEMBER shall also give this and correct information related to the description amount; native and togethy of the said incineration Waste as and when called upon by 3ETL or State or GPUb as any Committee notified and the provisions of taw.
- 3.2 The MEMBER shall get included in the Authorization from GPC3 for permitting the MEMBER to tend to Indineration water to 3PL. For responsibility of the VEMBER to get the same renewed from time to time failing which BEIL reserves its right to repudete the present Agreement.
- 3.5 The MEMBER shall diske at the proper and adequate arrangements for keeping accurate records of production and shall keep accurate rock disproduction of each of its products and incheration. Waste generated thereof and send the compiled records to BEIL on the firth (5) day of the succeeding MONTH, whereupon the BEIL shall send the seminate CPCB.
- 2.4 MEMBER shall be required to maintain the record of Hazardous waste to be disclosed off an BEIL shall. The sald records an inalitatinal shall be open for dispersion by BEIL or any officer of GPCB. Central Pollution Control Board (CPCB) or any authority of Central and or State (Ministry of Environment and Forests) or any officer appointed by Jingin.
- 3.5 The McMSER shall make adequate and necessary arrangements as approved by and to the schofaction of the SEtt. GPCB or other prescribed Authority under Law for collection and atologic light Incherwich Mastein its premises and shall give sockes to the Dumpers Trucked Treaters of BEIL to #9 storage facility.
- 1.6 The NEMBER shall give an Undertaking to SEIU that during the movement of the Indire attain Waste. Hime shall be no leakage to splitage and that the MEMBER shall take all steps in ensure that such indirectation Warde is properly packed and handled and is brought to the sites of GEU without any adverse effects to environment and the marks which may requisition such attended average effects for environment and entire explicit such attended to the branchostable. In the evaluation attended the MEMBER MEMBER has no follow the lawfules/guidelines published by authornes time to time, of transportation of Hazardous chemicals.
- 3.7 Before the Incineration Wasters delivered at BEIL site, the MENHER shall ensure that the local time neighbor (Master) is packed and benegorise in a manner outside for transportation and that the MEMBER should see that the said waste withgrands physical and climate conditions.

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FOR, BEIL Infrastructure Lid.

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President & Unit head Authorized Signatory

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- 3.8 If and when an accident occurs at the BEIL site or during the transportation of incineration waste the IMENABER availing table, shall improve the property of BEIL and GPOE of Committee pagetter accident.
- 3.9 The MEMBER small be bound to accord the rejector, Inconstraint weere and if it buts to do so this MEMBER ship will be reminished.
- 3.10 The MEMBER is obliged to infilmate to sent. Vehicles and to drapation a minimum full load of indineration waste within the hours.
- 3.11 The MENBER is ON goal to pay in advance WRES, in chaque (local account) or demand draft.
- 3.12 The MEMBER shall comply with the provisions of Environment (Protection) Act 1886 and the Rules made there under as also with the conditions of present agreement and that any breach committed there under shall render the MEMBER and engister for disposing of incineration waste in 3Et.
- 3.40 The MEMBER shall not become MEMBER of such other similar facility without prior willier current of BEIL. In case, the MEMBER is found by I and anyther MEMBER stop of such other facility. RFII has the right in terminate the MEMBER stop without offering any reason whatspever.

4 QUANTITY & QUALITY

- 4.1 The Indirection Waste to be sent by the MEMBER to the BBIL shall be as per mal caregories specified in the schedule to Hodordous waste (Management and Horiding). Rules 2016 or as per any new amendment or rules under the above Act and commuted by GPCE Various types of wastes permitted by Grijerel Politician Coratel Board vide. Authorization given to BBIL will be received for dispusal at site.
- 4.2 The following kered wastes will not be accepted by BEIL.
 - Waste which is reactive with air, water, limit and maintylamine.
 - ii) Waste contaging Radio Active materials
 - ini. Waste contains Narcolic materials
 - iii) Maste which causes eye initiation.
 - ie). Wabio which has fumigation
 - iv) Waste which has cyanide
 - v). Waste which contains volable substances of significant toxicity.
- 4.3 BEIL may return the Incineration Waste in total, if the MEMBER's above memoried inclineration Waste is (curid rights be in accordance with the conditions membered in clause in of the ACREAMENT and the decision of BEIL in returning the antiferration Waste of the MEMBER for non-completion of the provisions of the present state of the Agreement will be I half and it will not be called in question and the MEMBER shall have to pay the value semantial which shall be shall be shall be for the incidenation waste.
- 4 × BCIL with have full authority to occure who from they will assent MEMBER's waste in Coprocessing or not and whether Special Rate will be applicable or not applicable to themil provided.

5. TRANSPORTATION

- \$! Intrispon of incongration waste shall be in accordance with the provisions of Mules issued by the Central Government under Mater Volume Act, 1988 and gifter guiddings issued from fine to hims shallor subject to the provisions of law for the time being inforce.
- 5.2 The MEMBER has to make his own arrangement for transportation of incineration waster from NEMBER's site to BEIL.

BILLING AND PAYMENT OF DISPOSAL CHARGES

6.1 The escribe of the Incineration Maste will be drawn from the supply and will be got acalyzed from Isonratory approved by Mile REL applying the judging gample of the

FOR BEIL Wirangbetere Lid.

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- same will be seri to GPCE, Bharuch. The analysis charges for the same will be home. by the respective MEMBER; only
- 6.2 The NEMBER shall pay to BEIL the charges for disposing of its Incineration Wasse as may be notified by BEIL by checipe or Demand Draft in achange
- 8.3 BEIL shall charge the MEMBER or the basis of weightners to be done at BEIL disposer. site. If the Weigh bindge at disposal site is not working, it will be weighed at cutside. weigh Bridge approved by BELL.
- 6.4 The MEMBER shall be bound by the analysis results/reports of BEIL for disposal charges and shall not call the same in question for any leason whatsoever
- 6.5 The MEMBER shall place activance payment to EBIL for disposal of Indineration Waste.

7. DEFAULT

- 7.1 If the MEMBER (ags and/or defaults in the discharge of any of his obligations under the present Agreement, the RFIL shall have discretion to (i) white to proper the traineration. waste of the MEMBER for disposal without assigning any reason. (ii) notify to the SPCB. the name of the MEMBER informing labour such default and their is incineration waste would not be taken for dispose by BOL on account left such lockeutt, (iii) inform the MEMBER that its Incheration Waste would be deemed to cause polition and that the MEMBER be liable as polluler under the Pollution Laws, and/or first notify to GPCB to take such action as may be deemed recessary in respect of such MEMBER, impacting cicating of its industrial undertaking/ unit
- 7.7 BEIL reserves de light to accept or relese MEMBERSHIP in event of MEMBER. committing any breach violation of the conditions of the present Agreement or any provisions of LewiAcliffules for the lime being in force. BEIL reserves as right to Suspendicensel the MEMBERSHIP for such period as a deema it without giving any reasons or phar halko-
- 7.3 Where an offense under the Environment Protection Act has been committed by the MEMBER or is attributable to any neglection the pain of the MEMBER which shall include its Director, Manager, Secretary, Officer, Partner, etc. and if such MEMBER is: guilty of the offense or is rable to be protecuted against and ourished against and ponished accordingly to soft prosecution or legal proceeding(s) shall be signify: BEst. for the offense committed by as MFMRFR
- n 4 Bbit, reserves its right to issue a show cause holize to the MbMdbH if it is or the obtainon that the MEMBER has contravered the provisions of law/conditions of the present Agreement requiring the MEMBER to remeity the contravention or as the cause may he, within a specific period of time. The eard notice served shall specify the inevalves. to be taken by the MEMBER in remodying the said contravention.
- 7.5 SELL shall original the Gugarat Politikon Control Board/GIDC of the suspension of any MEMBER
- 7.6.The suppersional enrandour shall be revoked only at sole discretion of BEIL after it is satisfied that its conditions have been nec-

B. TRANSFER OF RIGHTS

6 BEIL may at any time transfer or assign its rights and obligations under the AGREEMENT to any other company or business concern by giving natice in writing to the MEMBER. Upon such (ransfer or assignment, only the wonsteres or assigned shall be Mable for the obagations herein contained.

9 INDEMNITIES

9 The MEMBER shall be deemed to be in exclusive possession and control of the said. Incongregion Waste and shall be fully hable and responsible for its arrangements. approvences and properties to the tries these esignifications and properties to the tries these esignificances. hereby covenants and agrees to fifty ported; indemnity and hald the PRT. its employees, agents & successors and assignees harmless against any and all claims. demands, actions, suits, proceedings and judgitems and any and all lestillies, coals. expenses, damages or lasses, laneing cull of or resulting from a meidental to be in connection therewan union may be made out against the BEIL whether by he

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MEMBER its employees, agente or successors and assignées or by third parties on account of damages or injury to property or loss of life resulting from or analog and all the installation, presence imaintenance or operation or the interest emergence is, appointences and properties of the MEMBER.

5.2 it is also agreed by add between the BEIL and the NEWBER truly the BEIL is put and shall not the liable in any member whatevever due to any negligenite and the any especial or otherwise of the MEWBER in disposing its incineration weeks at the Igerory see of the MEMBER or at any other place.

10. FORCE MAJEURE

- 10.1 In case of any force majoure, BEIL shall not be sadelessent any subsity —conjugent or 00:00ws8 but in that case. Ushall be the sole liability of the MEMBER.
- 1D 2 Balls the senties hereto agree that due to phonge in any lawy religious so solution or due to zero directime of any Court or Authority. If BEIL is, to indust any participal favoritation and burden consequent upon any alteration and for modification in the site or because of any other religion. It then, in that case the Modified straff be table to committee for the same proportionals to its disposal of Indinersion whale quantity in BEIL, site.
- 10.3 Both the parties hereto agree that in any event of there being order in form of any arganization, stay or otherwise from any Court, SPCB or any other Authority stopping the functioning of the Site or otherwise whereby BELL becomes unable to accept the increasing Weste of the MEMBER. EBIL shall not be responsible or made responsible and/or be vable in any manner in that regard and that in such an everyway, it shall be responsiblely of the MEMBER to get the needful done in respect of disposal of its thomestation Waste.

11. PREVIOUS CORRESPONDENCE

11.1 All discussions and meetings hold and correspondence exclusingly between BE Lig villule MEMBER in respect of the AGREEMENT and any decisions arrived at the elimination past, and before the coming into force of the present AGREEMENT are therein automated by the present AGREEMENT and no relevence of such discussions or meetings or said correspondence shall be entantiment by either REII, or the MEMBER for other present AGREEMENT or otherwise.

12. LAWS GOVERNING THE AGREEMENT

12.1 The present Agreement short be subject to Indian Laws rules and segulations and notifications stollars and installar such less.

13 AMENDMENTS

13.1 BEIL may at any point of time make suitable changes in the present Agreement after serving a notice to the MeNIBER.

14. TERMINATION OF AGREEMENT

- 14.1 BBIL hoo the unrestrated right to terminate this ACRECIMENT and coduct its all pending claims from the deposit paid by the MEMBER.
- 14.2 This AGRECMENT can be terroristed by either party after giving a whiteir make of at least 90 days to the interparty if the cancellation is requested by the MEMBER, the provision relating to minimum charges shall be applicable, also during the notice gained.

15. PACKING

- Incineration Waste should be sone in proper packing and excess improper packing as not allowed.
 - 1) MS DRUMS are found compare and dented
 - 2) HDPE and MS Droms are found epen OR Wilhow proper capping.
 - FIDPE and MS Drums are found broker
 - 4) HDPE and MS Droms are found with bubbles on cuter surface
 - Jumbo bags are over staked in vehicle.

OR, SEEK Infrastructure List

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- 6) Hazardous waste are leakage from the HDPE Drums or MS DRUMS.
- Waste materials spillage in the vehicle.

16. JURISDICTION

- 16.1 The present Agreement M/s. BEIL and the MEMBER mutually agree that the Civil Court at Ankleshwar/Bharuch only shall have jurisdiction for all the disputes/differences arising out of this agreement.
- 16.2 The address of the parties hereto unless changed by written not!@cation to be given at least 15 days in advance by registered letter prior to proposed date of change, shall be as follows:

ADDRESSES OF PARTIES:

WS. BEIL INFRASTRUCTURE LIMITED (Formerly Known as Bharuch Enviro Infrastructure Ltd): PLOT NO 9701 to 9716, GIDC, ANKLESHWAR GUJARAT 398002.

THE MEMBER:

IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.

For and on behalf of the BEIL INFRASTRUCTURE LIMITED_____

LIMITED SOR, BEIC Infrastructure Ltd.

Authorised Signatories

Name: Shri Manoj Patel

Designation: Vice President Operations

Address: Plot No 9701-9716, Ankleshwar, Pin: 393 002

Witness

Name: Rajeev Mathur

Address: Plot No.9701-9716, GIDC, Ankleshwar.

Name: Siddharth Shah

Address: Plot No.9701-9716, GIDC, Ankleshwar. For Grasim Industries Life For & on behalf of the Civision, MEMBER (UI emico Civision,

President & Unit Head

Name : VIVE: Bylb∈

Designation: UNIT HEAD A PRESIDENT Address: GRASIM INDUSTRIES LTD, CDW, PICT NO.1, GTDC, TAGUSTRIAL ESTAT

TANDARA, BHARUCH Witness

Name: VIKAS VALAND

Address: GILAGIM INDUSTRIES LTD, CHE DIVISION, PLOT NO 1, GIDC TUD. EST TA! VAGRA, BHARUCH

2. jest

Name: HETA PURANT

Address: GRANIM INDUSTRIES LTD COHEMICAL DEVISIOND, PLOT MO. O GOIG INDUSTRIAL ESTATE, TA. NAKRA, BHARDOT.





REF: BEIL/ANK/2022

02ND MARCH, 2022

To,
GRASIM INDUSTRIES LTD. - CHEMICAL DIV. (PLOT NO.1 - 41279)
Plot No.1, GIDC,
Vilayat, Taluka Vagra,
Dist-Bharuch.

Sub: Membership Certificate for Common Solid Waste Disposal Facility

Dear Sir,

We hereby certify that you have become member of the common Solid/Hazardous Waste Disposal Facility developed by For, BEIL INFRASTRUCTURE LIMITED (Formerly Known as Bharuch Enviro Infrastructure Ltd)., at GIDC, DAHEJ. You have booked solid waste quantity 31000 MT/ Year (Original Booked Quantity 24300 MT + Increased Quantity 6700 MT). Your Membership No. is OTH/133.

1) Total TSDF Capacity of BEIL Dahej: 1900000 MT

2) Total Consented Capacity: 1900000 MT 3) Total Occupied Capacity: 0737129.63 MT

4) Spare Capacity: 1162870.37 MT

Thanking you,

Yours faithfully,
For, BEIL Infrastructure Limited
(Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHORISED SIGNATORY

Times of India dt. 08.06.2011



Grasim Cellulosic

A Unit of Grasim Industries Ltd
Plot No. 1, GIDC Vilayar Dist: Bharuch, (Gujarar)
Environment Clearance by State Level Environment
Impact Assessment Authority, Gujarar

Vide letter No SEIAA/GUJEC'1(d).4(d)85f(96:2011, dated 30:05:2011, which was received on 07:06:2011, the State Level Environment Impact Assessment Authority Gujarat has accorded Environmental Clearances for the expansion of Oblin alkali plant with Caustic Soda plant 219000 TPA and Allied Products Liquid Chiorine Hydrochloric Acid 397:100 TPA Hydrogen 61320000 Nm3/Year Chiorosulphonic Acid 73000 TPA. Sulphunc Acid 36500 TPA. Carbon Disulphide 31025 TPA. Liquid Poly Alliaminism Chioride 146000 TPA Staple Steading Powder 36500 TPA, Chiorinated Parallin 36500 TPA Alliaminism Chioride 14600 TPA with additional 50 MW power plant.

Copies of the clearance letter are available with GPCB and may also be seen at website of SEIAA/SEAC/GPCB

Grasim Industries Ltd Registered Office: PO: Birlagram, Nagda - 456 331, Dist. Ugain (M.P.)

aujarati Lok Satta

Dt. 07.06.2011



Grasim Cellulusic

પ્યોર નં. ૧, કા.આઈ.ડી.સી., વિશ્વસ્ત, શા.ભરૂચ (ગુજરાત) સંજય સ્તરીય પર્યાવસ્ત્ર પ્રભાવ અલ્લંકરણ પ્રાથિકર**લ** કાસ પર્યાવસ્**લીય પરવાનગી, ગુજરાત**

માત્ર કપાક . SEIAA/GILJEC/(d) 4(d) & 5(l) 96/2011 નારીખ 30.૦૫(૨૦૧૧ માર્પલ નારીખ - ૦૦૦ (૨૦૧૧ સાથ્ય સ્વરીય પ્રધાનલ પ્રાપ્ય આક્ષેત્રકાના પ્રદેશકાના મુજરાત સરકાર વિસ્માવનમાં ક્લાર વ્યક્કાલી ખ્યાન્ટ અને શાંકિક સંક્ષેત્ર કર્યું ક્લાલ્ટરના પ્રતિ તથા કાઈફોલન કલ કરે ૧૦૦૦ (માત્ર) પ્રતિ વધ, ક્લોસી માત્રકાના કામ્યું કલ્વલ્ટરના પ્રતિ તથા કાઈફોલન કલ કરે ૧૦૦૦ (માત્ર) પ્રતિ વધ, ક્લોસી કલોસાઈક ૧૪ ક્લાલ્ટરના કાર્યલ પ્રતિ તથા, ત્રાર્થિક (લીકલીક) પોલી એલ્લુમિન્યમ કલોસાઈક ૧૪ ક્લાલન ઉદયાલ કર્યાણ કર્યાણ કલોસાય પ્રાપ્ય કલોસાઈક ૧૪ ૧૦૦ કન પ્રતિ તથા, કલોફીમન્યમ કલોસાઈક ૧૪ કર્યાણ કલાસ્ત્ર પ્રતિ વધ, કલોફિનેટેડ વેસ્ત્રિયન સંદુષ્ટ કર્યાણ કલોસાઈક ૧૪ ૧૦૦ કન પ્રતિ વધ, એલ્લુમિન્યમ કલોસાઈક ૧૪ ૧૦૦ કન પ્રતિ વધ, અલ્લુમિન્યમ કલોસાઈક ૧૪ ૧૦૦ કન

પરવાકમાં પત્રની વહલ GPCB વેલ સાઈટ SEAA/SEAC/GPCB પર પ્રાપ્યાભમારી

> ગ્રાસીય ઈન્ડસ્ટ્રીઝ લિમિટેડ ૨૧૦.ઓફિસ: પી.ઓ.બિરલાગામ, નાગદઃ – ૪૫૬ ૭૩૧, ૧૦.ઉ૪૬ન (મધ્યપ્રદેશ)

PUBLIC NOTICE ENVIRONMENTAL CLEARANCE

It is hereby informed that the State Level Environment Impact Assessment Authority, ParyavaranBhavan, Sector 10 - A, Gandhinagar - 382 010, Gujarat vide its letter Ref. No. SEIAA/GUJ/EC/5(f)/90/2014dated 01/08/2014 has accorded Environment Clearance to M/s. Grasim Cellulosic (A unit of Grasim Industries Ltd.) for installation of Chloromethanes and Fatty Alcohol production unit at Plot No. 1, GIDC Industrial Estate, Vilayat, Dist: Bharuch, Gujarat as per applicable provisions of the S.O. 1533, EIA Notification, 2006. Copies of the clearance letters are available with Gujarat Pollution Control Board and may also be seen on the website of SEIAA/SEAC/GPCB.

Sd/-

M/s. Grasim Industries Ltd.

Plot No.1, GIDC Industrial Estate, Vilayat, Dist: Bharuch, Guajarat

જાહેર નિવેદન પર્યાવરણ મંજૂરી

આ સાથે જણાવવામાં આવે છે કે 'સ્ટેટ લેવલ એન્વિરોમેન્ટ ઇમ્પેકટ ઓથોરીટી' પર્યાવરણ ભવન સેક્ટર૧૦-અ ગાંધીનગર- ૩૮૨ ૦૧૦, ગુજરાત દ્વારા તેઓના પત્ર ક્રમાંક SEIAA/ GUJ/EC/5(f)/૯૦/૨૦૧૪ તારીખ ૦૧/૦૮/૨૦૧૪ ના રોજ મેસર્સ પ્રાસીમ સેલ્યૂલોઝિક (યુનિટ ઓફ ગ્રાસીમ ઇન્ડસ્ટ્રીઝ લિમિટેડ) ના પ્લોટ નં. ૧, જી.આઇ.ડી.સી., ઇન્ડસ્ટ્રીઅલ એસ્ટેટ, વિલાયત, જી.ભરુચ, ગુજરાતમાં ક્લોરોમીથેનસ અને ફેટી આલ્કોહોલના ઉત્પાદન માટેની યોજનાને S.O. ૧૫૩૩, EIA નોટિફિકેશન ૨૦૦૬, જ્રાહેરનામા મુજબ એન્વિરોમેન્ટલ ક્લીઅરન્સ માટે અનુમતિ આપવામાં આવે છે. ઉપરોકટ અનુમતિની નકલ ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડની કચેરીમાં ઉપલબ્ધ છે. અને સદર અનુમતિને SEIAA/SEAC/GPCB ની વેબસાઈટ પર પણ મુકવામાં આવેલ છે.

સહી/-મેસર્સ ગ્રાસીમ ઇન્ડસ્ટ્રીઝ લિમિટેડ પ્લોટ નં.૧, જી.આઇ.ડી.સી., ઇન્ડસ્ટ્રીઅલ એસ્ટેટ, વિલાયત, જી.ભરુચ, ગુજરાત

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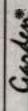
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Alleges BJP. Cong in 'Tacit' Alliance

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GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION
(A GOVT. OF GUJARAT UNDERTAKING)
Office of the Dy. Executive Engineer (DRG)
1st FLOOR, NARMADA COMM. COMPLEX,
STATION ROAD, PANCHBATTI,
BHARUCH -392001PH:242432/244184 FAX:(02642)241902
Mail ID: gidcbharuch@rediffmail.com

NO: GIDC/BRH/DEE (DRG)/ 654

To,

M/s Grasim industries Limited, Plot No .1,GIDC, Viloyat, Ta.-Vagra, Dist- Bharuch-392140 Date: 64/58/2018

Sub: Assurance letter to discharge of 23,00 MLD industrial effluent by M/s Grasim Industries

Limited Plot no. 1, Vilayat.

Ref. - 1. Your Letter Dated. 29/11/2017

2. Approved Note by SE (CG) dated 25/07/2018

Dear Sir,

Vide letter under referenced letter no 1, you have demanded an assurance letter to discharge of 23.00 MLD industrial efficient.

You have paid Drainage contribution charges for 19.40 MLD effluent Quantity in Vilayat drainage Pumping Station and your Drainage connection is released for 12.48 MLD.

In this regard, this office assures that 23.00 MLD industrial effluent can discharge by M/s Grasim Industries Limited Plot no. 1 Vilayat, subject to the following conditions:

- Current Available Discharge Quantity in Vilayat Drainage Pumping Station.
- Availability of spare quantity in design capacity of sewer line.
- The allottee pays the contribution and other applicable charge for the said quantity industrial effluent.
- The allottee has to make their own provision to discharge industrial effluent in to GIDC's sewer line or in to collection well if the Pipe line Size is more than Existing Network Pipeline.
- Existing effluent discharge Quantity would be assured after taken the approvals from the competent authority.
- The effluent discharge connection shall only be released after the submission of GPCB consent as per the approved the quantity.

This is for your Information Please.

Dy. Executive Engineer (DRG), GIDC Sharuch.



GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION (A Govt. of Gujarat Undertaking)

Udhyog Bhavan, Black No.3, 4 & 5, Sector-11.
Gandhinogar-382 017, Tele: 079-23250571

No. GIDC/ENG/CE/34

Date: 09-10-2017

To, Shri Ashish Garg, Unit Head, Grasim Industries Ltd, Vilayat Industrial Estate.

Sub: Up-gradation of GIDC Infrastructure to support Proposed Expansion of Viscous

Staples Fibre at Vilayat

Ref: Your letter dtd 03-10-2017 and subsequent meeting with the Hon'ble VC & MD.

GIDC on 4th Oct. 2017.

Dear Sir,

We are glad to know that M/s Grasim is planning to invest Rs. 4000 crore in VSF and Caustic Chlorine capacity expansion at the existing Vilayat Plant. We welcome your decision and GIDC shall support M/s Grasim in expansion of the plant by upgrading the water supply as well as effluent discharge infrastructures.

GIDC has already the necessary permission from the government to draw water to from Namada River as well as Narmada Main Canal to meet the demand. GIDC has already completed the 25 MGD Narmada river based Water Supply Scheme while the 50 MGD Water Supply Scheme based on the Narmada Main Canal is an the verge of completion which is expected to be completed by December 2017. Once 50 MGD Water Supply Scheme is completed the issue of Saline Water Ingress in the Narmada River shall be mitigated as the major water shall be conveyed through the gravity pipe line laid from the Narmada Main Canal to Dahej and GIDC shall be able to supply 55-66 MLD of Water to M/s Grasim.

While far conveyance of the treated effluent, GIDC is planning to lay a new effluent disposal line of adequate capacity and shall make necessary arrangements to take care of the effluent from the Grasim by December 2019.

Thanking You,

Yours faithfully.

(B.C. Warli)

Chief Engineer,

GIDC, Gandhinagar.

GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION



(A Govt. of Gujarat Undertaking)

Office of the Superintending Engineer (CG)

1st Floor, Narmada Commercial Complex,

M. G. Konti, Panensata, Bagracia Sty2001

Phone: (02642)202432/244383

FAX:(02642)241902

Ret:- No. No GIDC/SE/CG/BRH/1236

Dated: 29/12/2016

To, M/s Grazim industries Lanited Procino, i, visiyat industrial Estate

Subt- 1) Increase in quantity of efficient discharge from 12.48 MLD to 19.40 MLD.

Increase in quantity of water supply from 15.50 MLD to 25 MLD.

Dear Sir.

In this regard if it to inform you that GIDC has already released \$2.46 MLD effluent quenting quantity as per prevailing policy of the Corporation. Now as approved by GPCB, you have paid the draining contribution charges to GIDC for additional quantity i.e. 19.40 MLD. (-) 12.48 MLD i.e. for 6.92 MLD. In view of this, you are requested to apply online for new drainage connection for altimate quantity of 19.40 MLD.

Similarly for water supply GIDC has already released 15.50 MLD water supply as per prevaling policy of the Corporation. Now as approved by GPCB, increase in quantity of water supply from 15.50 MLD to 25.00 MLD is approved in principality. In view of this, you are requested to apply online for water supply connection for principality of 25.00 MLD.

Thanking you Yours intifully

3

Supergranding Engineer (CG). SIDC. Sharuch

Copy submitted wir, to-The Criter Engineer, GIDC, teanothinagar for king intormation please,

Copy to:The Executive Engineer, GPDC, Bharach
The Dy: strengthe Engineer | Org., W/s), GIDC, Bharach

No. GIDC/PROJ/MKT/GRASIM/575

December 6, 2006

M/s. Grasim Industries Limited B-4. Aditya Birla Centre, S.K. Ahire Marg, Worli, Mumbai 400 030, (Fax No.022-66525832)

Kind attention Shri S.K. Saboo, Group Executive President

Dear Sir.

Sub.: Offer-cum-Allotment of Plot in Vilayat Ind. Estate Ref.: Our letter no. GIDC/RM/ANK/ALT/210 dt.9.11.2006

Please refer to your letters dt.28.11.2006, 4.12.2006 and 6.12.2006 as also the personal discussions Grasim team had with you on 2.12.2006 and 4.12.2006.

We are pleased to send herewith a statement capturing the gist of decisions taken on various request made by you,

You have informed us that you received our letter dt.9.11.2006 on 13.11.2006. Accordingly, you are required to make payment of the offer amount and comply with other terms & conditions of the offer before 12.12.2006. Kindly note that the bulk area discount scheme has been discountinued with effect from 1.10.2006. We shall have to withdraw the bulk area discount given to you in case the payment is not received within the stipulated time.

Thanking you,

Yours faithfully,

(P.K. Pujari)

Vice Chairman & Managing Director

Encl.: As above



Vilayat Estate allottee - M/s, Grasim Industries Limited

Sr. No.	Issue	GIDC's reponse
1.	Land Cost - - Initial understanding 30% discount - Actual working out 28.4% Request - To consider giving 30% discount	Bulk Area Discount scheme since discontinued from 1.10.2006. GIDC cannot consider the request for flat rate of discount.
2.	Water - Quantity - - Allowed 12.21 MLD against 30 MLD. - First Phase minimum requirement 15.60 MLD (on an increasing spread of 5 years)	Quantity of water allotted 15.60 MLD. Grasim's water requirement staggerred as follows; Ist Year - 4 MLD 2nd year - 4 MLD 3rd Year - 4 MLD
	Request - To revise quantity to 15.60 MLD within same allotment price. Minimum Charges - Minimum Charges for 70% of the demand quantity payable after 3 years from the date of allotment. Request - To revise 3 years to 5 years. Variable Charges -	4th year - 4 MLD 5th year - 6 MLD 6th Year - 12 MLD From 7th Year - 15.6 MLD Commitment charges will be levied on the basis of above demand after the period of utilization as per GIDC's policy. GIDC's commitment for supply of water would be only for quantities as indicated above. Water will be provided on completion of 25 mgd. w/s scheme for Dahej by June, 2007.
	Request - Should be charged on actual consumption basis.	

3.	Effluent -	EDP utilization staggerred. 80% of the water requirement indicated at Column-2 above.
	Quantity -	Today edition
1	- Allotted quantity 9.76 MLD	
	 For first phase minimum requirement is 12.48 MLD. 	
	Request - To revise quantity to 12.48 MLD within the same allotment price.	
	Charges -	
	Request -	
	To be charged based on actual disposal quantity on similar lines of water.	
4.	Power Line-	GIDC is shifting the power line as per the revised planning of the Estate.
	Request-	
	Power Lin passing through the plot to be shifted at no extra cost to us.	
5.	Commencement of Production -	Not acceptable.
	Request - To extend the time period for approval of building plan to the date on which last of the approval for construction of the project is obtained and consequently extend the time for "Commencement of Production" to five years from the date of such approval.	
6.	The Project - Request - To allow any other project from Aditya Birla	GIDC will consider such requests as per rules for sub-letting & sub-dividing.
	Group.	

7.	Staff and Workers Colony - Request - Class is a sentimeous process prant and Power Plant, hence to meet emergency requirement we have to have colony for workers and staff. To give approval	Regular fesidential colony within the plot cannot be permitted. However, transit/emergency housing may be considered on ments.
8.	Date of Allotment - Request - Date of allotment to be considered from the date of handing over vacated plot from the farmers or removal of Power Line. whichever is later.	Considering the large area allotted to you, the period for utilization of the plot i.e. coming into production is four years from the date of allotment as per GIDC's policy. GIDC will hand over possession of land after removal of eneroschments and power line would be shifted at the earliest possible.
9.	Future Water & Effluent Requirement - Request - Assurance for making available additional water & offluent for second phase.	Any additional capacity beyond the quantity mentioned above will be at a cost and subject to availability.



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: APR22/109/35 (ULR- TC709922000008134F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Indus "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code-392140.		,- Chemical Division. al Estate,Bharuch,PO-Villayat Taluka-Vagra,Gujarat.
2.	Sample ID: 2147888246 - 109AP22EF01	3.	Client Representative: Mr.Vikas Valand
4,	Sample Date: 16.04.2022	5.	Sample Collected By: Mr. Shubham Verma
6.	Analysis commenced on: 20.04.2022	7.	Analysis Completed on: 25.04.2022
8.	Reporting Date: 28.04.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11	Group: Pollution and Environment
12.	Sampling Location: STP Inlet	13	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15	Sample Received Date: 20.04,2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Suspended Solids	mg/L :	88	N.A.	APHA: 23rd Edition 2540 D
2.	BOD	mg/L	16	N.A.	IS 3025 PP-44
3.	Residual Chlorine	mg/L :	< 0.1	N.A.	APHA: 23rd Edition 4500 Ct B

Remark:

Authorised By

Name: Bhavisha Pandya

Designation: Sr.Chemist

NOTE:

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Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT---

CHICAGO IV	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: APR22/109/36 (ULR- TC709922000008135F)

Taluka-Vagra.Gujarat.
Vikas Valand
Shubham Verma
5.04.2022
2.0 1.2022
ronment
OSITI GIA
0.04.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)		Results	Specification/SPCB Norms/BIS Standards	Method Used
1,	Suspended Solids	mg/L	:	27	30	APHA: 23 rd Edition 2540 D
2.	BOD	mg/L	:	11	1000	IS 3025 PP-44
3,	Residual Chlorine	mg/L	1	1.24		APHA: 23rd Edition 4500 CFB

NOTE:

Authorised By -Name : Bhavisha Pandya

Designation : Sr.Chemist

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Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not

consumed during analysis. 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT--

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-PMT-050	Issue No.: 02	Revision No.: 04
Effective Date:. 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: MAY22/120/35 (ULR-TC709922000010541F)

SAMPLE DETAILS

		III Lake Mary	
L	"Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Escale, Pin code-392140.		ESENCIPMENTALLY OF THE PARTY OF
2.	Sample ID: 2147888246 - 120MY22EF01	3.	Client Representative: Mr.Vikas Valand
	Sample Date: 19.05.2022	5.	Sample Collected By: Mr. Vimal Chauhan
4.		7.	Analysis Completed on: 31.05.2022
6.	Analysis commenced on: 25.05.2022		Discipline: Chemical
8.	Reporting Date: 02:06:2022	9.	
10.	Packing Condition & Quantity: Sealed √	11	Group: Pollution and Environment
-		13	Product; Waste Water
12.	Sampling Location: STP Inlet	15	77 05 707
14.	Sampling Method: IS:3025 (Part 1)-1987	1500	eill TC

TEST RESULTS

S.No.	Parameters	Unit (SI)	Repults	Specification/SPCB Norms/BIS Standards	Method Used
			93	N.A.	APHA: 23rd Edition 2540 D
1.	Suspended Solids	mg/L is		N.A.	IS 3025 PP-44
2	BOD	mg/L	51	(9.40)	The second secon
3.	Residual Chlorine	mg/L :	<0.1	N.A.	APHA: 23rd Edition 4500 CI E

Remark:

Authorised By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

NOTE

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consumed during analysis. The results reported above relate to the sample identified under Sample Details. ----END OF REPORT-----

	TEST REPORT FORMAT - EFFLUENT	
The second secon	Toque Nin : 02	Revision No.: 04
DOC, NO.: LAB-FMT-050	Topus Date: 01-01-2015	Revision Date: 01.03.2021
Effective Date:: 01.03.2021	ISSUE LARGE, OT DE VALLE	Page 1



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: NAY22/120/36 (ULR- TC709922000010542F)

SAM	IPLE DE	TAILS
stic Plant-Vilayat" Plot No 1,GIDC Vilayat I	industrial	Estate, Bharuch, PU-Villayat, Toluko-Vages-Sujaras
nle ID: 2147888246 - 120MYZZEFUZ	3.	Client Representative: Mr.Vikas Valand
	5.	Sample Collected By: Mr. Vimal Chauhan
	7.	Analysis Completed on: 31.05.2022
	9.	Discipline: Chemical
on Constron & Quantity Sealed V	11.	Group: Pollution and Environment
	-	Product: Waste Water
		Sample Received Date: 25.05.2022
olino Method: 19:3025 (Part 1)-1987	15.	Sample rosterved Days: 25.05/1002
	Control of the Control Inches	ple ID: 2147888246 − 120MY22EF02 3. ple Date: 19.05.2022 5. ysis commenced on: 25.05.2022 7. prting Date: 02.06.2022 9. ging Condition & Quantity: Sealed √ 11. ppling Location: STP Outlet 13.

		TEST RE	SULIS	
Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
	ma/L :	36	30	APHA: 23rd Edition 2540
Suspended Solids	mg/L +	14	70	IS 3025 PP-44

2540 D 1. 15 3025 PP-44 14 mg/L 2. BOD APHA: 23rd Edition 4500 Cl B 0.5 (minimum) 1.77 Residual Chlorina mq/L3.

Remark:

NOTE:

S.No.

Authorised By -Name : Bhavisha Pandya

Designation : Sr.Chemist

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The scales reported convenients to the completident field under Sample Details. END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT Revision No.: 04 Issue No.: 02 DOC: NOL: LAB-PMT-050 Revision Date: 01./03.2021 Issue Date: 01-01-2015 Effective Date: 01.03.2021 Page 1 of 1



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: MAY22/120/37 (ULR- TC709922000010543F)

		AMPLE DE	
1-	Hame & Address of Client: M/s Grasim Industries "Caustic Plant-Villarat" Plot No 1,GIDC Villayat Ind	kistrial Estate,	Sharuch, PO-Villayat Taloka Vagita Sojarat
2	Sample ID: 2147888246 - 120MY22EF03	3.	Clerit representatives con-
2.		5.	Sample Collected By: Mr. Virnal Chauhan
4.	Sample Date; 19:05.2022	7	Analysis Completed on: 31.05.2022
6.	Analysis commenced on: 25.05.2022		
8.	Reporting Date: 02.06.2022	9.	Discipline: Chemical
_	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
10.		13.	Product: Waste Water
12.	Sampling Location: ETP Inlet	15.	Sample Received Date: 25.05.2022
14.	Sampling Method: 15:3025 (Part 1)-1987	TOT DEE	
		THEORY DIES	

i.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
	-	-	7.49	N.A.	APHA 23" Edition 4500-H". B
1.	pH	*C :	78	N.A.	APHA 23° Edition 2550- B
2.	Temperature	Pt-CO :	50	N.A.	APHA 23 ^d Edition 2120 B
3,	Colour	ma/L :	5652	N.A.	APHA 231 Edition 2540 C
4.	Total Dissolved Solids	The second secon	28	N.A.	APHA 231 Edition 2540 D
5.	Suspended Solids	mg/L	526	N.A.	APHA 23° Edition 5220 B
6.	000	mg/L	150	N.A.	15 3025 (Part 44) : 1993
7.	BOD (3 days at 27 FC)	mg/L	<1	N.A.	APHA 234 Edition 5520 B
6.	Oil & Greate	mg/L	<0.05	N.A.	APHA 23° Edition 5530 D
9.	Phenolic Compounds	mg/L	40.05	N.A.	IS 3025 (PP 34): 1988
10,	Amm. Nitrogen	mg/L	<1	N.A.	IS 3025 (Part - 29): 1986
11.	Sulphide	mg/L	<0.02	N.A.	APHA 23rd Edition 2500 Cr - B
12.	Hexa Orronlium	mg/L	1770775	N.A.	APHA 23" Edition 3500 Cr - B.
13.	Total Chromium	mg/L	<0.02	N.A.	APHA 23° Edition 3111 B
14.	Zinc	mg/L		N.A.	APHA 23° Edition 4500 F-D
15.	Fluoride	mg/L	0.78	N.A.	APHA 23 ⁻¹ Edition 3500 As - B
16.	Arsenic	mg/L	<0.01	N.A.	APHA 23° Edition 3111 B
17.	Copper	mg/L	< 0.03	N.A.	APHA 23° Edition 3111 B
18.	Lead	mg/L	< 0.02	N.A.	APHA 23° Edmon 3112-B
19.	Mercury	mg/L	< 0.02	N.A.	APHA 23° Edition 3111 B
20.	Nickel	mg/L	: <0.02	N.A.	IS 3025 (Part-34): 1988
21.	Mitrate Mitrogen	mg/L	0.49	N.A.	APHA 22 d Edition 3111 B
22.	Cacmium	.mg/L	< 0.01	N.A.	APHA 23rd Edition 3111 B
23.	Mangenese	mg/L	< 0.02	N.A.	APHA 25° Edition 3111 B
24.	Iron	mg/L	< 0.05	N.A.	APHA 23 Edition 3500 SC - C
25.	Selenium	mg/L	<0.01	N.A.	year and the second second the second

Authorised By -

Pendys Designation: Sr.Chemist Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. Name : Shavisha Fondya NOTE

he analysis of sample will be done, if requested within 15 days from the dide of Reporting of sample if the samples are not

consumed throug analysis.

The results reported above relate to the sample identified under Sample Debals. -----END OF REPORT-

	TEST REPORT FORMAT - EFFLUENT	
		Revision No.: 04
DOC, NO.: LAB-FMT-050	Issue No.: 02 Issue Date: 01-01-2015	Revision Date: 81.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.; MAY22/120/38 (ULR- TC709922000010544F)

	SI SI	MPLE DE	TAILS
1.	Name & Address of Client, Mys. Grasim Locustries	meterial letterie.	HUNDER ACT A MARKET LANCOR AND
_	Sample ID: 2147888245 - 120MY22EF04	3.	
2.	Sample ID: 2197888249 = 120412223 01	5.	Sample Collected By: Mr. Virnal Chauhan
4.	Sample Date: 19.05.2022	7	Analysis Completed on: 31.05.2022
6.	Analysis commenced on: 25.05.2022	1.	Discipline: Chemical
8.	Reporting Date: 02.06.2022	9,	Discipline: Chemical
-07	Packing Condition & Quartity: Sealed V	11.	Group: Pollution and Environment
10-	FOR DISCONDING CONTRACT	13.	Product: Waste Water
12.	Sampling Location: ETP Outlet	15.	Sample Received Date: 25.05,2022
16	Sampling Method: 15:3025 (Part 1):1987	and the state of t	

14. Sampling Method TEST RESULTS Specification/SPCB Method Used Results Unit (ST) Norma BIS Standards Parameters: S.No. APHA 23" Edition 4500-H" 8 6.5-8.5 7.29 APHA 23" Edition 2550- B pH N.A. 28 ec. Temperature APHA 23° Edition 2120 B N.A. 30 Pt-CO Colour APHA 23º Edition 2540 C M.A. 62/10 ma/L Total Dissolved Solids APHA 23° Edition 2540 D 100 19 MIGA. Suspended Solids ţ., APTIA 23" Edition 5220 B 250 188 mg/L 6. COD IS 3025 (Part 44) : 1993 100 60 EOD (3 days at 27 °C) mg/L 7. 10 APHA 234 Edition SS20 8 <1 mg/L Oil & Greast. B. APHA 23# Edition 5530 D N.A. < 0.02 mg/L Phenolic Compounds IS 3025 (PP 34): 1988 9. 50 < 0.05 mg/L Anym, Nitrogen 15 3025 (Part - 29): 1986 10. 5 $\ll 1$ mg/L Sulphide 11. APHA 23º Edition 3500 Cr - B 0.1 < 0.02 Hexa Chromium mg/L APHA 23° Edition 3500 Cr - 8 12. < 0.02Total Chromium mg/L 13. APHA 23° Edition 3111 B 15 <0.05 mg/L 14. Zinc APHA 23rd Edition 4500 F--D 15 0.83 mg/L 15. Fluoride APHA 23' Edition 2500 As - B 0.2 < 0.01 mg/L 16. Arsenic APHA 23° Edition 3111 B < 0.03mg/L Copper 17, APHA 23rd Edition 3111 B 0.1 <0.02 mg/L 18. Lead-APHA 23rd Edition 3112-B 6.01 < 0.01 mq/L Mercury 19. APHA 23th Edition 3111 B N.A. < 0.02ma/L Nickel 20. IS 3025 (Part 34): 1988 10 1.40 ma/L Nitrate Nitrogen APHA 2310 Edition 3111 B 21, < 0.01 mg/L Cacmium APHA 23rd Edition 3111 B 22. N.A. <0.02 mg/L APHA 23° Edition 3111 B 23. Manganese N.A. < 0.05 mg/L АРНА 23⁻² Edition 3500 5C - С 24. Iron N.A. <0.01 mg/L Sejenium 25. IS 6582 (Part-Z): 8001 (4) to service of the whor 70 hours in 160%, offered N.A. % 26. Bio-Assay Test

Remark: Authorised By -

Designation: Sr.Chemist

Name : Bhevisha Fandya Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. MOTES:

the snales of sample will be done, if requested within 15 days from the dole of separting of sample if the samples are not 2)

The results reported above relate to the sample identified under Sample Details. consumed during analysis.

.....END OF REPORT----

	TEST REPORT FORMAT - EFFLUENT	
	Issue No.: 02	REVISION NO.: UT
DOC. NO.: LAB-FMT-050 Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021 Page 1

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: MAY22/120/39

14421		MPLE DE	
1.	Name & Address of Client; M/s. Grasim Industries "Caustic Plant-Vileyat" Plot No 1,GIDC Vitryat Ind	Utd.,- Chemi ustrial Estate,	Sharuch, PO-Villayat, Talluka-Vagratisujarat, Firi code 5321 no.
2	Sample (D: 2147888246 - 120MY22EF03	3.	Client Representative: Mr. Visas valuito
	Sample Deler, 19:05:2022	5.	Sample Collected By: Mr. Vimal Chauhan
4. 5.	Analysis commenced on: 25:05:2022	7.	Analysis Completed on: 31,05,2022
-	Reporting Date: 01:06:2022	9.	Discipline: Chemical
В.		11.	Group: Pollution and Environment
10.	Packing Condition & Quantity: Senled √	13.	Product: Waste Water
12.	Sampling Location: ETP Inlet	-	Sample Received Date: 25.05.2022
14.	Sampling Nethod: IS:3825 (Part 1)-1987	15.	Sample secence date: 23.03.2000

No. Parameters	Unit (SI)	Results	Norms/BIS Standards	Method Used
Tak Corpa	mg/L :	< 0.05	N.A.	APHA: 23'S Edition 4500 CN E
Cyanide	orge -	Agreeable		APHA: 23rd Edition 2150 B
2. Odour	mg/L	0.48	N.A.	APMA: 23" Edition 4500 N
3. TKN mark : thorised By -				

MOTE:

Designation : Sr.Chamist

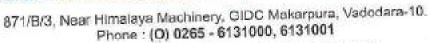
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 Re analysis of semple will be done, if represent within 15 days from the date of Reporting of sample if the samples are not. consumed during analysis.

 The results reported above relate to the sample ideal had under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - EFFLUENT	
	Essue No.: 02	Revision No.1 04
DOC. NO.: LAB-FMT-Q50		Revision Date: 01.03.2021
Effective Date: 01.03.2021	Issue Date: 01-91-2013	Provide 1

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: MAY22/120/40

SAMPLE DETAILS

		AMALE DE	
1.	Name & Address of Client: M/s, Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Ind	Ltd.,- Chemi ustrial Estate,	Bharuch, PO-Villayet Tatura-Vagra, Gojarac, Princode discover
2.	Sample ID: 2147688246 - 120MY22EF04	3.	Clent Representative: Pr. Visas valenti
4.	Sample Date: 19.05.2022	5.	Sample Collected By: Mr. Vimal Chauhan
	Analysis commenced on: 25.05.2022	7.	Analysis Completed on: 31.05.2022
6.	Reporting Date: 02.06.2022	9.	Discipline: Chemical
8.	Packing Condition & Quantity: Sealed √	11.	Group: Poliution and Environment
10.		13.	Product, Waste Woter
12.	Sampling Location: ETP Outlet	15.	Sample Received Date: 25.05.7022
14.	Sampling Hethod: IS:3025 (Rart 1)-1987	TECT DES	

TEST RESULTS

S.No.	Parameters	Unit (S1)	Results	Specification/SPCB Norms/BIS Standards	Method Used
2-11-56		med :	< 9.05	N.A.	APHA: 23rd Edition 4500 CN E
1.	Cyanide.	mg/L :		N.A.	APHA: 23° Edition 2150 B
2.	Odour	- 9	Agreeable	14,01	APHA: 23° Edition 4500 N
3.	TKN	ma/L	1.38	100	be the 22 Course see a

Remark:

Authorised By -Name: Bhavisha Pandya

Designation : Sr.Chemist

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consumed during adalysis.

The results reported above relete to the sample identified under Sample Details. 3)

----END OF REPORT-----

	TEST REPORT FORMAT - EFFLUENT	
	Tosse No.: 02	Revision No.; 04
DOC. NO.: LAB-PMT-050		Revision Deta: 01-03-2021
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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUN22/113/35 (ULR- TC709922000012571F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.					
2.	Sample ID: 2252908246 - 1133N22EF01	3.	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 17.06.2022	5.	Sample Collected By: Mr. Vimal Chauhan			
6.	Analysis commenced on: 24.06.2022	7.	Analysis Completed on: 02.07,2022			
8.	Reporting Date: 02.07.2022	9.	Discipline: Chemical			
10.	Packing Condition & Quantity: Sealed √	11	Group: Pollution and Environment			
12.	Sampling Location: STP Inlet	13	Product: Waste Water			
14.	Sampling Method: IS:3025 (Part 1)-1987	15	Sample Received Date: 24.06.2022			

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Suspended Solids	mg/L	: 87	N.A.	APHA: 23 rd Edition 2540 D
2.	BOD	mg/L	: 150	N.A.	IS 3025 PP-44
3.	Residual Chlorine	mg/L	: <0.1	N.A.	APHA: 23 rd Edition 4500 CF B

Remark :

Authorised By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

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 Re analysis of sample will be done, if requested within 15 days from the doce of Reporting of sample if the samples are not consumed starting analysis.

3) The resolts reported above relate to the sample identified under Sample Details.

--- END OF REPORT---

	TEST REPORT FORMAT - EFFLUENT	U
DOC, NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUN22/113/36 (ULR-TC709922000012572F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Indus "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code-392140.		Chemical Division. Estate,Bharuch,PO-Villayat Taiuka-Vagra.Gujarat.
2.	Sample ID: 2252908246 - 1133N22EF02	3.	Client Representative: Mr.Vikas Valand
4.	Sample Date: 17.06.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 24.06.2022	7,	Analysis Completed on: 02.07.2022
8,	Reporting Date: 02.07.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Sampling Location: STP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 24.06.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Suspended Solids	mg/L :	21	30	APHA: 23rd Edition 2540 D
2.	BOD	mg/L :	8	20	IS 3025 PP-44
3.	Residual Chlorine	mg/L :	1.77	0.5 (minimum)	APHA: 23rd Edition 4500 CFB

Remark: Authorised By

Name : Shavisha Pandya

Designation : Sr.Chemist

NOTE:

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consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

TEST REPORT FORMAT - EFFLUENT						
DOC, NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUN22/113/37 (ULR-TC709922000012573F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industrie "Caustic Plant-Wayat" Plot No 1,GEDC Wayat Inc	s Ltd.,- Chem Justrial Estate	ical Division. "Bharuch, P.G. Villayat, Taluka-Yagra, Gujarat, Pin code: 392140.
2.	Sample ID: 2252908246 - 113JN22EF03	3.	Client Representative: Mr.Vikes Valand
4	Sample Date: 17.05.2022	5,	Sample Collected By: Mr. Vimal Chauhen
6.	Analysis commenced on: 24.06.2022	7.	Analysis Completed on: 02.07.2022
8.	Reporting Date: 02.07.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Sampling Location: ETP Inlet	13.	Product; Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 24.06.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	pH		4.38	N.A.	APHA 23 rd Edition 4500-H ¹ B
2.	Tomperature	PC 8	-27	N.A.	APHA 23rd Edition 2550- B
3.	Colour	Pt-CO :	20	N.A.	APHA 23 st Edition 2120 B
4.	Total Dissolved Solids	mg/L :	303Z	N.A.	APHA 23° Edition 2540 C
5.	Suspended Solids:	mg/L ;	13	N.A.	APHA 23rd Edition 2540 D
б,	COD	mg/L :	358	N_A_	APHA 23rd Edition 5220 B
7.	BOD (3 days at 27 °C).	mg/L :	103	N.A.	IS 3025 (Part 44) : 1993
8.	Oil & Grease	mg/L :	<1	N.A.	APHA 23 rd Edition 5520 8
9.	Phonolic Compounds	mg/L	< 9.02	N.A.	APHA 23 rd Edition 5530 D
10.	Amm. Nitrogen	mg/L =	< 0.05	N.A.	S 3025 (PP 34): 1988
11.	Sulphide	mg/L :	<1	N.A.	IS 3025 (Part - 29): 1986
12.	Hexa Chronium	ma/L	< 0.02	M.A.	APHA 23rd Edition 3500 Cr - B
13.	Total Chromium	mg/L	< 0.02	N.A.	APHA 23 rd Edition 3500 Cr - 8
14.	Zinc	mg/L :	< 0.03	N.A.	APHA 23° Edition 3111 B
15.	Fluoride	mg/L :	< 0.05	N.A.	APHA 231 Edition 4500 F-D
16.	Arsenic	mg/L :	< 0.01	N.A.	APHA 23 rd Edition 3500 As - B
17.	Copper	mg/L :	< 0.03	N.A.	APHA 23rd Edition 3111 B
18.	Lead	mg/L :	< 0.02	N.A.	APHA 23rd Edition 3111 B
19.	Mercury	mg/L	<0.02	N.A.	APHA 23 rd Edition 3112-B
20.	Nickel	mg/L :	< 0.02	N.A.	APHA 23rd Edition 3111 B
21.	Nitrate Nitrogea	mg/L t	1.76	N.A.	IS 3025 (Part-34): 1988
22.	Cadmium	mg/L :	<0.01	N.A.	APHA 23rd Edition 3111 B
23.	Manganese	mg/L :	< 0.02	N.A.	APHA 23 rd Edition 3111 B
2500 Lane 1	1ron	019/L	<0.05	N.A.	APHA 23° Edition 3111 B
25.	Solonium	mo/L t	<0.01	N.A.	APHA 23" Edition 3500 SC - C

Authorised By -Name : Bhavisha Pandya

Designation : Sr.Chemist

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Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Desails.

END OF REPORT-

A DESCRIPTION AND RESIDENCE TO A SECURITION OF THE PARTY	TEST REPORT FORMAT - EFFLUENT	
DOC: NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUN22/113/38 (ULR-TC709922000012574F)

SAMPLE DETAILS

1,	Name & Address of Client: M/s. Grasim Industrie "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Inc		ical Division. , Bharuch, PO-Villayat Taluka-Vagra, Gujarat, Pin code 392140.
2.	Sample ID: 2252908246 1133N22EF04	3.	Client Representative: Mr.Vikas Valand
4.	Sample Date: 17.06.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 24.06.2022	7.	Analysis Completed on: 02:07:2022
8.	Reporting Date: 02.07.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Sampling Location: ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 24.05.2022

TEST RESULTS

5.No.	Parameters	Vinit (51)	Sesuits	Specification/SPCB Norms/BIS Standards	Method used
1.	pH		7.93	6.5-8.5	APHA 23rd Edition 4500-H* B
2.	Temperature	eC	27	N.A.	APHA 23 rd Edition 2550- B
3.	Colour	Pt-CO	10	N.A.	APHA 23 rd Edition 2120 B
4.	Total Dissolved Solids	mg/L	3872	N.A.	APHA 23 rd Edition 2540 C
5.	Suspended Solids	mg/L	25	100	APHA 23 rd Edition 2540 D
6.	000	mg/L	202	250	APHA 23 rd Edition 5220 B
7.	800 (3 days at 27 °C)	mg/L	58	100	IS 3025 (Part 44): 1993
8.	OI & Grease	mg/L	: <1	10	APHA 23" Edition 5520 B
9.	Phenoic Compounds	mg/L	: <0.02	N.A.	APHA 2314 Edition 5530 D
10.	Arnm. Nitrogen	mg/L	: <0.05	50	IS 3025 (PP 34): 1988
11.	Sulphide	mg/L	: <1	5	IS 3025 (Part - 29): 1986
12.	Hexa Chromium	mg/L	< 0.02	0.1	APHA 23° Edition 3500 Cr - B
13.	Total Chremium	mg/L	1 <0.02	1	APHA 23° Edition 3500 Cr + B
14.	Zinc	mg/L	< 0.03	15	APHA 23 rd Edition 3111 B
15.	Fluoride	mg/L	0.48	15	APHA 23 rd Edition 4500 FD
16.	Arsanic	mg/L	: <0.01	0.2	APHA 23rd Edition 3500 As - B
17.	Copper	mg/L	< 0.03	3	APHA 23rd Edition 3111 B
18.	Lead	mg/L	<0.0Z	0.1	APRA 23° Edition 3111 B
19.	Mercury	mg/L	< 0.01	0.01	APHA 23rd Edition 3112-B
20.	Mickel	mg/L	< 0.02	N.A.	APHA 23rd Edition 3111 B
21.	Nitrate Nitrogen	mg/L	< 0.05	10	05 3025 (Part-34): 1968
22.	Cadmium	mg/L	< 0.01	2	APHA 23 rd Edition 3111 B
23.	Manganese	mg/L	< 0.02	N.A.	APHA 23 rd Edition 3111 B
24.	Iron	mg/L	< 0.05	N.A.	APHA 23° Edition 3111 B
25.	Selenium	mg/L	< 0.01	N.A.	APHA 23rd Edition 3500 SC - C
26.	Dio-Assay Test	74	Will several of Streets On. Index St. 100% offs and	N.A.	IS 6582 (Part-2): 2001

Remark:

Authorised By -Name : Shavisha Pandya

Designation : Sr.Chemist

NOTE:

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The analysis of exemple will be done, if requested within 15 days from the dute of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Datails.

END OF REPORT

	TEST REPORT FORMAT - EFFLUENT	
DOC: NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01-03-2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUN22/113/39

SAMPLE DETAILS

	THE REAL PROPERTY.	
Sample ID: 2252908246 - 1133N22EF03	3.	Client Representative: Mr.Vikas Valand
Sample Date: 17.06.2022	5.	Sample Collected By: Mr. Vimal Chauhan
Analysis commenced on: 24,05,2022	7.	Analysis Completed on: 02.07.2022
Reporting Date: 02.07.2022	9,	Discipline: Chemical
Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
Sampling Location: ETP Indet	13.	Product: Waste Water
Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 24.06.2022
	Name & Address of Clerit: M/s. Grasim Industrie "Caustic Plant Wileyet" Plot No 1, GIDC Wileyet Ind Sample ID: 2252908246 - 1131N22EF03 Sample Date: 17.06.2022 Analysis commenced on: 24.06.2022 Reporting Date: 02.07.2022 Packing Condition & Quantity: Sealed √ Sampling Location: ETP Indet	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemi "Caustic Plant-Wlayet" Plot No 1, GIDC Vilayet Industrial Estate Sample ID: 2252908245 − 1131N22EF03 3. 5ample Date: 17.06.2022 5. Analysis commenced on: 24.05.2022 7. Reporting Date: 02.07.2022 9. Packing Condition & Quantity: Sealed √ 11. Sampling Location: ETP Indet 13.

TEST RESULTS

5.No.	Parameters	Unit (ST)	Results	Specification/SPCB Norms/8IS Standards	Hethod Used
1.	Cyanide	mg/L is	≠0.05	N.A.	APHA: 23 rd Edition 4500 CN: E
2.	Odour		Agreeable	N.A.	APHA: 23 rd Edition 2150 B
3.	TKN	mg/L :	<0.05	N.A.	APHA: 23 rd Edition 4500 N

Remark:

NOTES

Authorised By -Name : Bhavisha Pandyo

Designation : Sr.Chemist

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 Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are out consumed during analysis.

The results raported above relate to the sample identified under Sample Dubits.

Section Contract Cont	TEST REPORT FORMAT - EFFLUENT	
DOC, NO.: LAB-FMT-050	Issue No.: 02	Revision No : 04
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUN22/113/40

SAMPLE DETAILS

1,	Name & Address of Client: M/s. Grasim Industrie "Caustic Plant Wlayst" Plot No 1,GIDC Wlayst Inc	s Ltd.,- Chem dustrial Estate	ical Division. ,8haruch, PO-Villayat Taluka-Vagra, Gujarat. Pin code-392140.
2.	Sample ID: 2252908245 - 113JN22EF04	3.	Client Representative: Mr.Vikas Valand
4	Sample Date: 17,06,2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 24,05,2022	7.	Analysis Completed on: 02:07.2022
8.	Reporting Date: 02:07:2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
22.	Sampling Location; ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 24.06.2022

TEST RESULTS

S.No.	P.o	rameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Cyanide:		mg/l.	<0.05	N.A.	APISA: 23rd Edition 4500 CN: E
2.	Odour			Agreeable		APHA: 23rd Edition 2150 B
3.	TKN	()	mg/L :	< 0.05		APHA: 23rd Edition 4500 N
temark	a = 6	her H				
uthori	sed By -	F-V"				

Name : Bhavisha Pandye NOTE:

Designation : 5r.Chemist

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Re analysis of somple will be done, if required within 15 days from the date of Repursing of sample if the samples are not consumed during analysis.

35 The results reported above robbs to the sample identified under Sample Domes.

The state of the s	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUL 22/146/36 (ULR-TC709922000014814F)

SAMPLE DETAILS

1.	Name & Address of Client: Mys. Grasim Indus "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code 392140.	tries Ltd., Industria	,- Chemical Division. il Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat.
2.	Sample ID: 2252908246 - 1463U22EF01	3.	Client Representative: Mr. Ylkas Valand
4,	Sample Date: 25.07.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: 01.08.2022
8.	Reporting Date: 05.08.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11	Group: Pollution and Environment
12.	Sampling Location: STP Inlet	13	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15	Sample Received Date: 26.07.2022

TEST RESULTS

S.No.	Parameters	Unit (ST)	Results	Specification/SPCB Norms/BJS Standards	Method Used
1.	Suspended Solids	mg/L :	41	N.A.	APHA: 23 rd Edition 2540 D
2.	BOD	mg/L	23	N.A.	15 3025 PP-44
3.	Residual Chlorine	mg/L ;	<0.1	N.A.	APHA: 23rd Edition 4500 Cl B

Remark:

Authorised By

MOTES

Name : Shavisha Pendya

Designation : Sr.Chemist

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He enables of sample will be dane, if respected within 13 days from the date of Reporting of sample if the samples are not 21 consumed during enelytin.

The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - EFFLUENT						
DOC: NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUL22/146/37 (ULR-TC709922000014815F)

SAMPLE DETAILS

		MITTEL DE	
1.	Name & Address of Client: M/s. Grasim Indus "Caustic Plant-Vileyot" Plot No 1, GIDC Vilayat Pin code-392140.		Chemical Division. Estate, Bharuch, PO-Villayat Taluka-Vagra Gujarat.
2.	Sample ID: 2252908246 - 1463U22EF02	3.	Client Representative: Mr. Vikas Valand
4.	Sample Date: 25.07.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: 01.08.2022
8.	Reporting Date: 05.08.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Sampling Location: STP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 26.07.2022
14.	Sampling Method: IS:3025 (Part 1)-1987	19.	Sample Received Date: 26.07.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Suspended Solids	mg/L :	24	30	APHA: 23 rd Edition 2540 D
2	BOD	mg/L ;	9	20	IS 3025 PP-44
3.	Residual Chlorine	mg/L :	1.33	0.5 (minimum)	APHA: 23rd Edition 4500 CFB

Remark:

NOTE:

Authorised By -

Name : Bhavisha Pandya

Designation: Sr.Chemist

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Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not Re analysis or something analysis.

Consumed during analysis.

The resofts reported above relate to the sample identified under sample Details.

END OF REPORT.

	TEST REPORT FORMAT - EFFLUENT	
DOC, NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Oate: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUL22/146/38 (ULR- TC709922000014816F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries "Courtic Plant-Wayot" Plot No 1,GIDC Wayot Inc	s Ltd.,- Chemi Juetrial Estato	, Bharuch, PO-Villayar Taluka-Vagra Gujarat. Pin code-392140.
2.	Sample 1D: 2252908246 - 1463U22EF03	3.	Client Representative: Mr.Vikas Valand
4	Sample Date: 25.07.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: 01 DS:2022
8.	Reporting Date: 05:08:2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Sampling Location: ETP Inlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Port 1)-1987	15.	Sample Received Date: 26.07.2022

TEST RESULTS

S.No.	Parameters	Unit (51)	Results	Specification/SPCB Norms/BIS Standards	Mcthed Used
1.	pH		8.60	N.A.	APHA 23rd Edition 4500-H* B
2.	Temperature	90 :	26	N.A.	APHA 23rd Edition 2550- 8
3.	Colour	Pt-CO :	30	N.A.	APHA 23° Edition 2120 B
4.	Total Dissolved Solids	mg/L :	6712	N.A.	APHA 23° Edition 2540 C
5.	Suspended Solids	mg/L :	30	N.A.	APHA 23 rd Edition 2540 D
6.	COD	mg/L :	538	N.A.	APHA 23° Edition 5220 B
7.	BOD (3 days at 27 °C)	mg/L s	155	N.A.	IS 3025 (Part 44): 1993
8.	Oil & Grease	mg/L	<1	N.A.	APHA 23 rd Edition 5520 B
9.	Phenolic Compounds	mg/L	< 0.02	N.A.	APHA 23rd Edition 5530 D
10.	Anm. Ntrogen	mg/L :	< 0.05	N.A.	IS 3025 (PP 34): 1968
11.	Sulphide	mg/L	<1	N.A.	25 3025 (Part - 29): 1986
12.	Hexa Chromium	mq/L t	< 0.02	N.A.	APHA 23 rd Edition 3500 Cr - B
13.	Total Chromum	mg/L	< 0.02	N.A.	APHA 23rd Edition 3500 Cr - B
14.	Zioc	mg/L :	< 0.03	N.A.	APHA 23 rd Edition 3111 B
15.	Fluoride	mg/L :	0.15	N.A.	APHA 13rd Edition 4500 F-D
15.	Arsenic	mg/L s	<0.01	N.A.	APHA 13° Edition 3500 As - B
17.	Copper	mg/L :	< 0.03	N.A.	APHA 1316 Edition 3111 B
18.	Lead	mg/L :	<0.02	N.A.	APHA 23° Edition 3111 B
19.	Mercury	mg/L :	< 0.02	N.A.	APHA 23rd Edition 3112-B
20.	Nickel	mg/L 3	< 0.02	N.A.	APHA 23° Edition 3111 B
21.	Nitrate Nitragen	mg/L r	0.84	N.A.	IS 3025 (Part-34): 1988
22.	Cadmium	mg/L s	< 0.01	N.A.	APHA 23rd Edition 3111 B
23	Manganese	mg/L =	< 0.02	N.A.	APHA 23rd Edition 3111 B
24.	Iron	mg/L E	< 0.05	N.A.	APHA 23 th Edition 3111 B
25.	Selenium	mg/L :	<0.01	N.Ac	APHA 23 rd Edition 3500 SC - C

Remark: Authorised By - Name : Bhavisha Partiya

NOTE:

Designation : Sr.Chemist

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	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-EMT-050	Essue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (0) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUL22/146/39 (ULR: TC709922000014817F)

SAMPLE DETAILS

l.	cal Division. ,Rhansch,PO-Villayat Taluka-Vagra Gujarat. Pin code-392140.		
2.	Sample ID: 2252908245 - 146JU22EF04	3.	Client Representative: Mr, Vikas Valand
4.	Sample Date: 25.07.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: 01:08:2022
8.	Reporting Date: 05.08.2022	9.	Discipline: Chemical
10.	Facking Condition & Quantity: Sealed √	11.	Group: Poliution and Environment
12.	Sampling Location: ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 26.07,2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
L	pH		8.44	6.5-8.5	APHA 23rd Edition 9500-H1 B
2	Temperature	**C	26	N.A.	APHA 23rd Edition 2550- B
3.	Colour	Pt-CO	10	N.A.	APHA 23rd Edition 2120 8
4.	Total Dissolved Solids	mg/L	6776	N.A.	APHA 23 th Edition 2540 C
5.	Suspended Solids	mg/L	: 16	100	APHA 23° Edition 2540 D
6.	COD	mg/L	152	250	APHA 23° Edition 5220 B
7.	BCD (3 days at 27 °C)	mg/L	: 44	100	TS 3025 (Part 44) : 1993
8.	Oil & Grease	mg/L	(1 <1	10	APHA 23rd Edition 5520 B
9.	Phenoic Compounds	mg/L	<0.02	N.A.	APHA 23 rd Edition 5530 D
10.	Amm. Nitrogen	mg/L	<0.05	50	IS 3025 (PP 34): 1988
11.	Sulphide	mg/L	<1	5	JIS 3025 (Part - 29): 1986
12.	Heica Chromium	mg/L	<0.02	0.1	APHA 23** Edition 3500, Cr - 8
13.	Total Chromium	mg/L	< 0.02	1	APHA 23rd Edition 3500 Cr - B
14.	Zinc	mg/L	<0.03	15	APHA 23 rd Edition 3111 B
15.	Fluoride	mg/L	0.70	15	APHA 23rd Edition 4500 F-D
16.	Arsenic	mg/L	< 0.01	0.2	APHA 23rd Edition 3500 As - 8
17.	Copper	mg/L	: <0.03	3	APHA 23" Edition 3111 B
18.	Lind	mg/L	< 0.02	0.1	APHA 23th Edition 3111 B
19.	Mercury	mg/L	<0.01	0.01	APHA 23th Edition 3112-B
20.	Nickel	mg/L	<0.02	N.A.	APHA 23's Edition 3111 B
21.	Nitrate Nitrogen	mg/L	< 0.05	10	IS 3025 (Part-34): 1988
77.	Codmium	rng/L	< 0.01	2	APHA 23 rd Edition 3111 B
23.	Manganese	mq/L	< 0.02	N.A.	APHA 23 rd Edition 3111 B
24.	Iron	mg/L	< 0.05	R.A.	APHA 23° Edition 3111 B
25.	Selenium .	mg/L	≥ <0.01	N.A.	APHA 23rd Edition 3500 SC - C
26.	Bio-Assay Test	%	95 Sprout of shots in head in the Plant of the	N.A.	15 6582 (Part-2): 2001

Remark: **Authorised By**

Name : Bhavisha Pandya

Designation: Sr.Chemist

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 Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not
- The results reported above relate to the sample identified under Sample Details.

----END OF REPORT-----

	TEST REPORT FORMAT - EFFLUENT	
DOC, NO.: LAB-FMT-05II	Issue No.: 00	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 81.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUL22/146/40

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayet" Plot No. 1, GIDC Vilayet Industrial Estate, Pharuch, PO-Villayet Taluka-Vagra Gujarat. Pin co.			
2	Sample ID: 2252908245 - 1463U22EF03	3.	Client Representative: Mr.Vlkas Valand	
4.	Sample Date: 25.07.2022	5.	Sample Collected By: Mr. Virnal Chauhan	
Б.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: 01.08.2022	
B.	Reporting Date: 05.08.2022	9.	Discipline: Chemical	
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment	
12.	Sampling Location: ETP Inlet	13,	Product: Waste Water	
24.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 26.07.2022	

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Cyanide	mg/L s	< 0.05	N.A.	APHA: 23rd Edition 4500 CN: E
2.	Odour	+ 1	Agreeable	N.A.	APHA: 23rd Edition 2150 8
3.	TKN	mg/L :	<0.05	N.A.	APHA: 23" Edition 4500 N

Remark : Authorised By -

NOTE:

Name : Bhavisha Apridya

Designation ; Sr.Chemist

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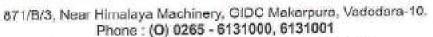
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The remains reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - EFFLUENT				
DOC: NO.: EAB-FMT-050	Issue No.: 02	Revision No.: 64		
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021		

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: JUL22/146/41

SAMPLE DETAILS

1	Name & Address of Client: M/s. Grasim Industries Ltd., Chemical Division. "Caustic Plant-Mlayat" Plot No 1, GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra, Gujarat. Pin code-3			
2	Sample ID: 2252908246 - 1463U22EF04	3.	Client Representative: Mr.Vikas Valand	
4.	Sample Date: 25.07.2022	5,	Sample Collected By: Mr. Vimal Chauhan	
6.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: II1.08,2022	
8.	Reporting Date: 05.08.2022	9.	Discipline: Chemical	
10.	Pecking Condition & Quantity: Seilled √	11.	Group: Pollution and Environment.	
12.	Sampling Location: ETP Outlet	13.	Product: Waste Water	
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 26.07.2022	

TEST RESULTS

5.50.	Parameters	Unit (SI)	Results	Specification/SPC8 Norms/81S Standards	Method Used
L	Cyanide	mg/L t	×0.05	N.A.	APHA: 23" Edition 4300 CN E
2.	Odour	1	Agreeable	N.A.	APHA: 23rd Edition 2150 B
3.	TION	mg/L :	<0.0S	100	APHA: 234 Edition 4500 N

Authorised By -Name : Bhavisha Pandya

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The results reported above relate to the sample identified under Sample Octobs.

-----END OF REPORT-----

Designation: Sr.Chemist

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: AUG22/162/35 (ULR- TC709922000016735F)

SAMPLE DETAILS

1.	"Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.				
2.	Sample ID: 2252908246 - 162AU22EF01	3.	Client Representative: Mr.Vkas Valand		
4.	Sample Date: 26.08.2022	5.	Sample Collected By: Mr. Kishan Bhatt		
6.	Analysis commenced on: 02.09.2022	7.	Analysis Completed on: 07.09.2022		
8.	Reporting Date: 07.09.2022	9.	Discipline: Chemical		
10.	Packing Condition & Quantity: Sealed √	11	Group: Pollution and Environment		
12.	Sampling Location: STP Inlet	13	Product: Waste Water		
14.	Sampling Method: IS:3025 (Part 1)-1987	15	Sample Received Date: 02.09.2022		

TEST RESULTS

Used
n 2540 D
0.0450-01010
4500 Cl B

NOTE:

Name : Shavisha Pandya

Designation : Sr.Chemist

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The results reported above relate to the sample identified under Sample Dotals.

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: DR
ffective Date: 01 03 2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: AUG22/162/26 (ULR-TC709922000016736F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Indust "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code-392140.	ries Ltd.,- Industrial	Chemical Division. Estate, Bharuch, PO-Villayat Taluka-Vagra, Gujarat.
2.	Sample ID: 2252908246 - 162AU22EF02	3.	Client Representative: Mr.Vikas Valand
4.	Sample Date: 26.08.2022	5.	Sample Collected By: Mr. Kishan Bhatt
6.	Analysis commenced on: 02.09.2022	7.	Analysis Completed on: 07.09.2022
8.	Reporting Date: 07.09.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12	Sampling Location: STP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 02.09.2022
**	American Strangers and American Strangers	and the same	Assessed the second sec

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Suspended Solids	mg/L :	20	30	APHA: 23 rd Edition 2540 D
2.	BOD	mg/L :	14	20	IS 3025 PP-44
3.	Residual Chloring	mg/L s	3.55	0.5 (minimum)	APHA: 23rd Edition 4500 CF B

Remark :

Authorised By -

Name : Bhavisha Parkiya

Designation : Sr.Chemist

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Se energies of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not 20.

consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - EFFLUENT	
DDC. NO.: LAB-FNT-050	issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: AUG22/162/37 (ULR-TC709922000016737F)

SAMPLE DETAILS

iame & Address of Client: M/s, Grasim Industries Caustic Plant-Vilayet" Plot No 1,GIDC Vilayet Ind		
	CASO ION CERCOLO	Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.
ample ID: 2252908246 - 162AU22EFD3	3.	Client Representative: Mr.Vikas Valand
emple Date: 26.08.2022	5.	Sample Collected By: Mr. Kishan Bhatt
nalysis commenced on: 02.09.2022	7.	Analysis Completed on: 07.09.2022
eporting Date: 07.09.2022	9,	Discipline: Chemical
acking Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
ampling Location: ETP Inlet	13.	Product: Waste Water
ampling Method: 15:3025 (Part 1)-1987	15.	Sample Received Date: 02:09:2022
A 10 10 10 10 10 10 10 10 10 10 10 10 10	emple Date: 26.08.2022 nelysis commenced on: 02.09.2022 eporting Date: 07.09.2022 scking Condition & Quantity: Sealed √ empling Location: ETP Inlet	ample Date: 26.08.2022 5. nelysis commenced on: 02.09.2022 7. apporting Date: 07.09.2022 9. acking Condition & Quantity: Sealed √ 11. ampling Location: ETP Inlet 13.

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	pH	i i	7.32	N.A.	APHA 23* Edition 4500-H* B
2.	Temperature	°C :	28.6	N.A.	APHA 23rd Edition 2550- B
3.	Colour	Pt-CO :	2	N.A.	APHA 23rd Edition 2120 B
4,	Total Disselved Solids	mg/L :	4648	N.A.	APHA 23rd Edition 2540 C
5.	Suspended Solids.	mg/L	46	N.A.	APHA 23" Edition 2540 D
6.	COD	mg/L :	902	N.A.	APHA 23rd Edition 5220 B
7.	BOD (3 days at 27 °C)	mg/L =	260	N.A.	IS 3025 (Part 44): 1993
B.	Oil & Greate	mg/L :	<1	N.A.	APHA 23rd Edition SS20 B
9.	Phenolic Compounds	mg/L :	< 0.02	N.A.	APHA 23rd Edition 5530 D
10.	Amm. Nitrogen	mg/L :	< 0.05	N.A.	LS 3025 (PP 34): 1988
11.	Sulphide	mg/L }:	<1	N.A.	ES 3025 (Part - 29): 1986
12.	Hexa Chromium	mg/L :	< 0.02	N.A.	APHA 23rd Edition 3500 Cr - B
13.	Total Chromium	mg/L :	< 0.02	N.A.	APHA 23 rd Edition 3500 Cr - B
14.	Zinc	mg/L :	< 0.03	N.A.	APHA 23rd Edition 3111 B
15.	fluoride	rng/L :	9.76	N.A.	APHA 23" Edition 4500 FD
16.	Arsenic	mg/L, :	<0.01	N.A.	APHA 23 rd Edition 3500 As - B
17.	Copper	mg/L :	<0.03	N.A.	APHA 23rd Edition 3111 B
18.	Lead	mg/L :	<0.02	N.A.	APHA 23 rd Edition 3111 B
19.	Mercury	mg/L :	< 0.02	N.A.	APHA 23 rd Edition 3112-8
20.	Nickel	mg/L i	<0.02	N.A.	APHA 23° Edition 3111 B
21.	Nitrate Nitrogen	mg/L :	< 0.05	N.A.	IS 3025 (Part-34): 1988
22.	Cadmium	mg/L :	< 0.01	N.A.	APHA 23rd Edition 3111 B
23.	Manganese	mg/L	< 0.02	N.A.	APHA 23rd Edition 3111 B
24.	Iron	mg/L :	<0.05	N.A.	APHA 23rd Edition 3111 B
25.	Selenium /	mg/L E	< 0.01	N.A.	WPHA 23** Edition 3500 SC - C

Remark :

Authorised By - 2 Name : Bhavisha Pártiya

Designation : Sr.Chemist

NOTE:

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The results reported above relote to the sample identified under Sample Details.

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DOC: NO.: LAB FMT-050	Issue No.; 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: AUG22/162/38 (ULR- TC709922000016738F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industrie "Caustic Plant-Vilayat" Pot No 1, GIDC Vilayat Inc		ical Ulvision. "Bharuch,PO-Villayat Taluka-Vagra Gujarat. Pin code-392140.
2.	Sample ID: 2252908246 - 162AU22EF04	3.	Client Representative: Mr.Vikas Valand
4.	Sample Date: 26.00.2022	5.	Sample Collected By: Mr. Kishan Bhatt
6.	Analysis commenced on: 02.09.2022	7.	Analysis Completed on: 07.09.2022
8.	Reporting Date: 07.09.2022	9,	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed v	11.	Group: Pollution and Environment
12.	Sampling Location: ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1967	15.	Sample Received Date: 02:09:2022

TEST RESULTS

5.No.	Parametera	Voit (SI)	Results	Specification/SPCB Norms/BIS Standards	Nethod Used
1.	pH		7.06	6.5-8.5	APHA 23rd Edition 4500-H* B
2.	Temperature	*C	28.4	N.A.	APRA 23 rd Edition 2550 B
3.	Colour	Pt-CD	5	N.A.	APHA 23rd Edition 2120 B
4.	Total Dissolved Solids	mg/L	9184	N.A.	APRA 23 rd Edition 2540 C
5.	Suspended Solids	mg/L	: 12	100	APHA 23 rd Edition 2540 D
6.	COD	mg/L	: 152	250	APHA 23 rd Edition 5220 B
7.	BOD (3 days at 27 °C)	mg/L	: 44	100	IS 3025 (Part 44) : 1993
8.	Oil & Grease	mg/L	<1	10	APHA 23 rd Edition 5S20 B
9.	Phenolic Compounds	mg/L	<0.02	N.A.	APHA 23™ Edition 5530 D
10.	Amm. Nitrogen	mg/L	< 0.05	50	IS 3025 (PP 34): 1988
11.	Sulphide	mg/L	<1	5	IS 3025 (Part - 29): 1986
12.	Hexa Chromium	mg/L	< 0.02	0.1	APHA 23 rd Edition 3500 Cr - B
13.	Total Chromium	mg/L	< 0.02	1	APHA 23 rd Edition 3500 Cr - B
14.	Zinc	mg/L	< 0.03	15	APHA 23 ^{rs} Edition 3111 B
15,	Fluoride	mg/L	0.82	15	APHA 23rd Edition 4500 F-D
16.	Arsenic	mg/L	< 0.01	0.2	APHA 23rd Edition 3500 As - B
17.	Copper	rng/L	< 0.03	3	APHA 23 rd Edition 3111 B
18.	Lead	mg/L	< 0.02	0.1	APHA 23 rd Edition 3111 B
19.	Mercury	mg/L	: <0.01	0.01	APHA 23 rd Edition 3112-8
20.	Nickel	mg/L	< 0.02	N.A.	APHA 23™ Edition 3111 B
21	Nitrate Nitrogen	mg/L	< 0.05	10	IS 3025 (Part-34): 1988
22.	Cadmium	mg/L	< 0.01	2	APHA 23 rd Edition 3111 B
23.	Manganese	mg/L	< 0.02	N.A.	APHA 23rd Edition 3111 B
24,	Bron	mg/L	< 0.05	N.A.	APHA 23 rd Edition 3111 B
25.	Selanium	mg/L	< 0.01	N.A.	APHA 23 rd Edition 3500 SC - C
26.	Bio-Assay Test	36	90 C service of 6th abor 9 hours to 100% efficient		IS 6582 (Part-2): 2001

Remark : Authorised By -

Designation : Sr.Chemist

Name : Bhavisha Papdya Reports may be reproduced, if required, but only in full and only with written approval of the abovatory.

Re atalysis of sample will be close, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

3)

TEST REPORT FORMAT - EFFLUENT					
DOC. NO.: LAB FMT-050	Issue No.: 02	Revision No.: 04			
Effective Dates, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: AUG22/162/39

SAMPLE DETAILS

4.	Name & Address of Client: M/s. Grasim Inclustries "Caustic Pant-Vilayal" Plot No 1,GIDC Vilayat Inc	s Ltd.,- Chemi Iustrial Estate,	cal Division. Bharuch, PO-Villeyat Taluka-Vagra, Gujarat, Pin code-392140.
2.	Sample ID: 2252908246 152AU22EF03	3.	Client Representative: Mr.Vikas Valand
4.	Sample Date: 26.06.2022	5.	Sample Collected By: Mr. Kishan Bhatt
6.	Analysis commenced on: 02.09.2022	7.	Analysis Completed on: 07.09.2022
8.	Reporting Date: 07.09.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Samping Location: ETP Inlet	13.	Product: Waste Water
14.	Sampling Method: 15:3025 (Part 1)-1987	15.	Sample Received Date: 02:09:2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Ovanide	marL t	< 0.05	N.A.	APHA: 23° Edition 4500 ON E
2.	Odour		Agreeable	N.A.	APHA: 23 rd Edition 2150 B
3.	TKN C	mg/L	<0.05	N.A.	APHA: 23 rd Edition 4500 N
temant	100 100 100			1000	
	sed By - Shavishe Partiya	_		ation : Sr.Chemist	

NOTE:

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Re energies of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not 2) consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - EFFLUENT	
Issue No.: 02	Revision No.: 04
Issue Date: 01-01-2015	Revision Date: 01.03.2021
	Issue No.: 02

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: AUG22/162/40

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayet" Plot No 1,GIDC Vilayet Ind	s Ltd.,- Chemi Justrial Estate,	Bhanuch, PO-Villayat Taluka-Vagra, Gujarat, Pin code-392140.
Z.	Sample ID: 2252908246 - 162AU22EF04	3.	Client Representative: Mr.Vikas Valand
4.	Sample Date: 26.06.2022	5.	Sample Collected By: Mr. Kishan Bhatt
5.	Analysis commerced on: 02.09.2022	7.	Analysis Completed on: 07.09.2022
8.	Reporting Date: 07:09:2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Sampling Location: ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: 15:3025 (Pert.1):1967	15.	Sample Received Date: 02.09.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Cyanide	mg/L :	< 0.05	N.A.	APHA: 23rd Edition 4500 CW E
2.	Odour		Agreeable	N.A.	APHA: 23rd Edition 2150 B
3.	TKN 🔷	mg/L t	< 0.05	100	APHA: 23rd Edition 4500 N
gmark	I MEYN,				
	sed By -				
dame :	Bhavisha Pandya		Design	ation : Sr.Chemist	

MOTEST

Seports may be accordated, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

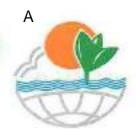




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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: SEP22/139/37 (ULR- TC709922000016735F)

SAMPLE DETAILS

"Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat	ries Ltd., Industria	Estate, Bharuch, PO Vinayar, Taluna Tugʻidi. Gaylari
Sample ID: 2252908246 - 1395E22EF01	3.	Client Representative: Mr.Vikas Valand
The state of the s	5.	Sample Collected By: Mr. Vimal
	7.	Analysis Completed on: 04.10.2022
	9.	Discipline: Chemical
	- 55	Group: Pollution and Environment
Packing Condition & Quantity: Sealed V	11	
	13	Product: Waste Water
	15	Sample Received Date; 30.09.2022
	Con L. Mr. Contine Indust	Sample ID: 2252908246 − 139SE22EF01 3. Sample Date: 20.09.2022 5. Analysis commenced on: 30.09.2022 7. Reporting Date: 04.10.2022 9. Packing Condition & Quantity: Sealed √ 11 Sampling Location: STP Inlet 13

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
	Commended Colide	mg/L :	35	N.A.	APHA: 23 rd Edition 2540 D
_	Suspended Solids	mg/L :	43	N.A.	IS 3025 PP-44
2.	BOD		<0.1	N.A.	APHA: 23rd Edition 4500 CFB
3.	Residual Chlorine	mg/L :	-0.1	30000	

Remark:

NOTE:

Authorised By

Name : Bhavisha

Effective Date: 01.03.2021

Designation : Sr.Chemist

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Se analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. 33 -----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT Revision No.: 04 Issue No.: 02 DOC, NO.: LAB-FMT-050 Revision Date: 01.03.2021 Issue Date: 01-01-2015





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO : SEP22/139/38 (ULR- TC709922000016738F)

-	MPI	-	P P -	- 4 T	
S- N	MU		131-		

Name & Address of Client: M/s. Grasim Indust "Caustic Plant-Vilayat" Plot No 1, GIDC Vilayat Pin code-392140.	ries Ltd.,- Industrial	Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat.
Sample ID: 2252908246 - 1395E22EF02	3.	Client Representative: Mr.Vikas Valand
	5.	Sample Collected By: Mr. Vimal
	7.	Analysis Completed on: 04.10.2022
	9.	Discipline: Chemical
	11.	Group: Pollution and Environment
	13.	Product: Waste Water
	15.	Sample Received Date: 30.09.2022
	Name & Address of Client: M/s. Grasim Indust "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat	Sample ID; 2252908246 - 1395E22EF02 3. Sample Date: 20.09.2022 5. Analysis commenced on: 30.09.2022 7. Reporting Date: 04.10.2022 9. Packing Condition & Quantity: Sealed √ 11. Sampling Location: STP Outlet 13.

TEST RESULTS

			ILSI NE	JULIA	
S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
	Convended Follide	mg/L	10	30	APHA: 2316 Edition 2540 D
C-S/L	Suspended Solids	-	11	20	IS 3025 PP-44
2,	BOD	rng/L	4.4		APHA: 23 rd Edition 4500 Cl B
3.	Residual Chiprine	mg/L :	4.43	0.5 (minimum)	POTA. 23 EMICHT 4500 G D

Remark:

Authorised By -

Name: Bhavisha Pandya

Designation: Sr.Chemist

NOTE:

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Re analysis of sample will be done, if required within 15 days from the date of Reporting of sample if the samples are not 2) consumed during analysis.

The results reported above relate to the sample identified under Sample Details. 37

	TEST REPORT FORMAT - EFFLUENT	
The second secon	Issue No.: 02	Revision No.: 04
DOC. NO.: LAB-FMT-050	Issue Detc: 01-01-2015	Revision Date: 01.03.2021
Effective Date: 01.03.2021	15436 Date: 01 01 2015	Page 1 o





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: SEP22/139/39 (ULR- TC709922000016737F)

					Contract Contract
-		-	 -		LS
- n	w		 11-	100	

1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1, GIDC Vilayat Ind	Ltd.,- Chemi ustrial Estate,	Bharuch, PO-Villayat Taluka-Vagra, Gujarat, Pin code-292140.
2.	Sample ID: 2252908246 - 139SE22EF03	3.	Client Representative: Mr. Vikins Valanu
4.	Sample Date: 20.09.2022	5.	Sample Collected By: Mr. Vimal
6.	Analysis commenced on: 30.09.2022	7.	Analysis Completed on: 04.10.2022
8.	Reporting Date: 04.10.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Polistion and Environment
12.	Sampling Location: ETP Inlet	13.	Product: Waste Water
14.	Samping Method: 1S:3025 (Part 1)-1987	15.	Sample Received Date: 30.09.2022

TECT DECLII TO

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	cH	1	7.52	N.A.	APHA 23 rd Edition 4500-H B
2.	Temperature	°C :	25	N.A.	APHA 23rd Edition 2550- B
3.	Colour	Pt-CO :	<1	N.A.	APHA 23rd Edition 2120 B
4.	Total Dissolved Solids	mo/L :	4376	N.A.	APHA 23rd Edition 2540 C
5.	Suspended Solids	mg/L :	52	N.A.	APHA 23 st Edition 2540 D
6.	COD	mg/L :	975	N.A.	APHA 23 rd Edition 5220 B
7.	BOD (3 days at 27 °C)	mg/L :	293	N.A.	15 3025 (Part 44): 1993
B.	Oil & Grease	mg/L	<1	N.A.	APHA 23 rd Edition 5520 B
9.	and a feet product of the second	mg/L	< 0.02	N.A.	APHA 23 rd Edition 5530 D
	Phenolic Compounds	mg/L :	< 0.05	N.A.	IS 3025 (PP 34): 1988
10.	Arnm. Nitrogen Sulphide	mg/L :	<1	N.A.	25 3025 (Part - 29): 1986
11.	Hexa Oxomium	mg/L :	< 0.02	N.A.	APHA 23rd Edition 3500 Cr - 8
12.	The state of the s	mg/L :	< 0.02	N.A.	APHA 23 ^d Edition 3500 Cr - B
13.	Total Chromium.	mg/L	< 0.03	N.A.	APHA 23 rd Edition 3111 B
14.	Ruoride	mg/L	1.01	N.A.	APHA 23rd Edition 4500 F-D
15.		mg/L	< 0.01	N.A.	APHA 23 ² Edition 3500 As - B
16.	Arsenic	mg/L	< 0.03	N.A.	APHA 23 th Edition 3111 B
17.	Copper	mg/L :	<0.02	N.A.	APHA 23 rd Edition 3111 B
-		mg/L	< 0.02	N.A.	APHA 23'S Edition 3112-B
19.	Mercury Nickel	mg/L	< 0.02	N.A.	APHA 23 st Edition 3111 B
20.	CONTRACTOR OF THE PARTY OF THE	mg/L	< 0.05	N.A.	IS 3025 (Part-34); 1988
21.	Nitrate Nitrogen	mg/L	<0.03	N.A.	APHA 23rd Edmon 3111 B
22.	Cadmium	mg/L	< 0.02	N.A.	APHA 23 st Edition 3111 B
23.	Manganèse	mg/L	<0.05	N.A.	APHA 23 st Edition 3111 B
24.	[ron	mg/L :	<0.01	N.A.	APHA 23° Edition 3500 SC - C
25.	Seienium	might p	1 .0.01	-	

Remark:

Authorised By Name: Bhavisha Pandya

Designation : Sr.Chemist

NOTE:

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Re analysis of sample will be done, if requested within 15 days from the onle of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Delaik. 33

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-91-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: SEP22/139/40 (ULR-TC709922000016738F)

SAMPLE DETAILS

		AT AT MAKE THE	
1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1, GIDC Vilayat Ind	lustrial Estate,	Bharuch, PO-Villeyat Taluka-Vagra. Gujarat. Pri code 392140.
2.	Sample ID: 2252906246 - 1395E22EF04	3.	Client Representative: Mr.Vikas Valend
4.	Sample Date: 20.09.2022	5.	Sample Collected By: Mr. Vimal
6.	Analysis commenced on: 30.09.2022	T.	Analysis Completed on: 04.10.2022
В.	Reporting Date: 04.10.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12.	Samping Location; ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1907	15.	Sample Received Date: 30.09.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPC8 Norms/BIS Standards	Method Used
1.	pH		7.15	6.5-8.5	APHA 23 rd Edition 4500-H1 B
2.	Temperature	*C	27	N.A.	APHA 23" Edition 2550- B
3.	Colour	Pt-CO	<1	N.A.	APHA 23" Edition 2120 B
4.	Total Dissolved Solids	mg/L	4208	N.A.	APHA 23° Edition 2540 C
5.	Suspended Solids	mg/L	17	100	APHA 23 rd Edition 2540 D
6.	COD	mq/L	139	250	APHA 23 rd Edition 5220 B
7.	BOD (3 days at 27 °C)	mq/L	42	100	IS 3025 (Part 44): 1993
8.	OI & Grease	mg/L	<1	10	APHA 23 rd Edition 5520 B
9.	Phenolic Compounds	mg/L	< 0.02	N.A.	APHA 23rd Edition 5530 D
10.	Amm. Nitrogen	mg/L	< 0.05	50	IS 3025 (PP 34): 1988
11.	Sulphide	ma/L	<1	5	IS 3025 (Part - 29): 1986
12.	Hexa Chromium	mg/L	< 0.02	0.1	APHA 23th Edition 3500 Cr - B
13.	Total Chromium	mg/L	< 0.02	1	APHA 23° Edition 3500 Cr - B
14.	Zinc	mg/L	< 0.03	15	APHA 23 rd Edition 3111 B
15.	Fluoride	mg/L	0.59	15	APHA 23 rd Edition 4500 F—D
16.	Arsenic	mg/L	<0.01	0.2	APHA 23 rd Edition 3500 As - B
17.	Copper	mg/L	< 0.03	3	APHA 23th Edition 3111 B
18.	Lead	mg/L	< 0.02	0.1	APHA 23 rd Edition 3111 B
19.	Mercury	mg/L	×0.01	0.01	APHA 23 st Edition 3112-B
20.	Nickel	mg/L	< 0.02	N.A.	APHA 23 st Edition 3111 B
21.	Nitrate Nitrogen	mg/L	< 0.05	10	IS 3025 (Part-34); 1988
22.	Cadmium	mg/L	< 0.01	2	APHA 23 rd Edition 3111 B
23.	Manganese	mg/L	< 0.02	N.A.	APHA 23 ^{rt} Edition 3111 B
	Tron	mg/L	< 0.05	N.A.	APHA 23 st Edition 3111 B
24.	Selenium	mg/L	< 0.01	N.A.	APHA 23 Edition 3500 SC - C
25. 26.	Bio-Assay Tper	%	50-1, powerst of first other 66 least in 1000 a stilland.	N.A.	IS 6582 (Part-2): 2001

Remark: Authorised By -

Name : Bhavisha Pandya

NOTE:

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Re analysis of sample will be time, if requested within 15 days from the date of Reporting of sample if the samples are dut.

Do not during analysis. 2)

The results reported above refere to the sample identified under Sample Details.

END OF REPORT 3)

	TEST REPORT FORMAT - EFFLUENT	
DOC, NO.: LAB-FMT-050	1994 e No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-81-2015	Revision Date: 01.03,2021

Page 1 of 1

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO .: SEP22/139/41

SAMPLE DETAILS

Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Flot No 1,GIDC Vilayat Ind	s Ltd.,- Chemi Justrial Estate,	cal Division. Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.
	3.	Client Representative; Mr.Vikas Valand
Market Control of the	5.	Sample Collected By: Mr. Vimal
	7.	Analysis Completed on: 04,10,2022
The second secon	9.	Discipline: Chemical
	11.	Group: Pollution and Environment
	13.	Product: Waste Water
	15.	Sample Received Date: 30.09-2022
	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Flot No 1,GIDC Vilayat Ind Sample ID: 2252908246 − 1395E22EF03 Sample Date: 20.09.2022 Analysis commenced on: 30.09.2022 Reporting Date: 04.10.2022 Packing Condition & Quantity: Sealed √ Sampling Location: ETP Inlet Sampling Method: 15:3025 (Part 1)-1987	Sample Date: 20.09.2022 5. Analysis commenced on: 30.09.2022 7. Reporting Date: 04.10.2022 9. Packing Condition & Quantity: Sealed √ 11. Sampling Location: ETP Inlet 13.

TEST RESULTS

		The state of the state of	W.M.I.W.	
Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
Ouznida	mo/L :	< 0.05	N.A.	APHA: 23rd Edition 4500 CN: E
	- Ingle	Agreeable	N.A.	APHA: 23rd Edition 2150 B
The state of the s	mall -			APHA: 23 rd Edition 4500 N
	Parameters Cyanide Odoor TKN	Cyanide mg/L : Odour -	Parameters Unit (SD) Results Cyanide mg/L = <0.05 Odoor - Agresable	Parameters Unit (SI) Results Norms/IIIS Standards Cyanide mg/L < <0.05

Remark: Authorised By -

Name: Bhavisha Pandya

Designation: Sr.Chemist

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Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Israe No.: 02	Revision No.: 04
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - EFFLUENT

REPORT NO.: SEP22/139/42

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Ind	Utd.,- Chemi ustrial Estate,	Bharuch,PO-Villayat, Taluka-Vagra. Gujarat, Pin cone-3921404
2.	Sample ID: 2252908246 - 1395E22EF04	3.	Client Representative: Mr.Vikas Valend
4.	Sample Date: 20.09.2022	5.	Sample Collected By: Mr. Virial
6.	Analysis commenced on: 30.09.2022	7.	Analysis Completed on: 04.10.2022
8.	Reporting Date: 04.10.2022	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment
12-	Sampling Location: ETP Outlet	13.	Product: Waste Water
14.	Sampling Method: IS:3025 (Part 1)-1987	15.	Sample Received Date: 30.09.2022

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
	Conside	mg/L :	<0.05	N.A.	APHA: 23rd Edition 4500 CN E
1.	Cyanide	Tright.	Agreeable		APHA: 23 rd Edition 2150 B
2.	Odour		< 0.05		APHA: 23rd Edition 4500 N
3.	TKN	mg/L :	40.00	200	

Remark: Authorised By -

Name: Bhavisha Pandya

Designation : Sr.Chemist

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Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not

minumed during analysis. The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - EFFLUENT	
DOC. NO.: LAB-FMT-050	Issue No.: 02	Revision No.: 04
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/27 (ULR- TC709922000008130F)

SAMPLE DETAILS

				-	A STATE OF THE STA		
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot					-Vagra, Gujarat. Pin code-	
2.	Sample ID: 2147888246 -	109AP22AQ01		3.	Client Representative: Mr. Vikas Valand		
4.					Sampling Location: Nr. Al	luminum Plant	
6.	Sampling time: 14:00 hr				Sampling Duration: 24 Hr	5	
8.	Analysis commenced on: 18.04.2022			9.	Analysis Completed on: 18.04.2022		
10.	Reporting Date: 28.04.2			11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Shubham Ve	rma	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M		DW35011	15.	Product: Ambient Air		
16.	Description of Sample:	Sampling I	Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	Environment Condition:	Temp: Normal	Humidity: Med	dum.	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industria	
18.	Sample Received Date:	18.04.2022				W	

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	μg /m³	4	54	100	IS 5182 (Part 23) : 2006
2.	PM 25	μg /m³	1	10	60	Guidelines By CPCB(Val-1)
3.	Sulphur Dioxide (SO ₂)	μg /m ³	:	B.77	80	IS 5182 (Part 2): 2001
4.	Oxides of Nitrogen (NOx)	μg /m³	3	13.18	80	IS 5182 (Part 6): 2006
5.	CL2	Em/ gu	:	1.7	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₁)	μg /m ³	:	2.45	400	Guidelines By CPCB(Vol-1)
7.	HuS	μg /m³	-:	N.D.	500	IS 5182 (Part 7): 1973

Remark: N.D. - Not Detected.

Authorized By -

NOTE:

Name: Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/28 (ULR- TC709922000008131F)

SAMPLE DETAILS

1,		ss of Client: M/s. Grasim Industries Ltd.,- Chemical Division. Vilayat* Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat.Pin code-								
2.	Sample ID: 2147888246 -	8246 - 109AP22AQ02 3. Client Representative: Mr. Vikas Valand			, Vikas Valand					
4.					Sampling Location: Nr.PAC Plant					
6.	Sampling time: 14:30 hr				Sampling Duration: 24 Hrs					
8.	Analysis commenced or	nalysis commenced on: 18.04.2022			Analysis Completed on: 18.04.2022					
10.	Reporting Date: 28.04.2	and the same of th		11.	Discipline: Chemical					
12.	Sample Collected By: M	r. Shubham Ve	rma	13.	Group: Atmospheric Pollu	tion				
14.	Sampling Procedure: IS M		12137007	15.	Product: Ambient Air					
16.	Description of Sample:	Sampling I	Bottles: Sealed	11	Filter Paper: Packed √	Bladder: Clamped √				
17.	Environment Condition:	Temp: Normal	Temp: Normal Humidity: Medium		Wind speed: Smooth	Cloud cover: Clear sky				
	Rain: No Rain	Wind Direction:	Cross wind		Wind blowing from: -	Station category: Industrial				
18.	Sample Received Date:	18.04.2022								

TEST DESILITS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	μg /m³	4	62	100	15 5182 (Part 23) : 2006
2.	PM 25	μg /m ³	1	08	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (50 ₂)	μg /m ³	Y	7.31	80	IS 5182 (Part 2): 2001
4.	Oxides of Nitrogen (NOx)	μg /m ³	1	14.76	80	IS 5182 (Part 6): 2005
5.	CL2	µg /m³	1	2.21	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	μg /m ³	1	3.06	400	Guidelines By CPCB(Vol-1)
7.	H ₂ S	μg /m ³	1	N.D.	500	IS 5182 (Part 7): 1973

Remark: N.D. - Not Date

Authorized By -Name: Bhavisha Pandya Designation : Sr. Chemist

1)

Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

-----END OF REPORT-----

The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - AMBIENT Revision No.: 03 DOC. NO.: LAB-FMT-051 Issue No.: 02 Revision Date: 01.03.2021 Issue Date: 01-01-2015 Effective Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/29 (ULR-TC709922000008132F)

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	ess of Client: M/s. Grasim Industries Ltd.,- Chemical Division. t-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat.Pin code-								
2.	Sample ID: 2147888246 -	- 109AP22AQ03		3.	Client Representative: Mr. Vikas Valand					
4.	Sampling Date: 15.04.202	2		5.	Sampling Location: Nr.Ma	nin Gate				
6.	Sampling time: 13:00 hr				Sampling Duration: 24 Hrs					
8.	Analysis commenced on: 18.04.2022				Analysis Completed on: 18.04.2022					
10.	The state of the s				Discipline: Chemical					
12.	Sample Collected By: M		rma	13.	Group: Atmospheric Pollu	tion				
14.	Sampling Procedure: IS M			15.	Product: Ambient Air	CONTROL OF THE PROPERTY OF THE				
16.	Description of Sample:	Sampling	Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped √				
17.	Environment Condition:	Temp: Normal	Humidity: Med	mult	Wind speed: Smooth	Cloud cover: Clear sky				
	Rain: No Rain	Wind Direction:	Cross wind		Wind blowing from: -	Station category: Industrial				
18.	Sample Received Date:	18.04.2022								

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1	PM _{IO}	µg /m³	1	55	100	IS 5182 (Part 23): 2006
2.	PM as	μg /m ³	1	14	60	Guidelines By CPCB(Vol-1)
3,	Sulphur Dioxide (SO ₂)	jug /m³	1	9.86	80	IS 5182 (Part 2): 2001
4.	Oxides of Nitrogen (NOx)	µg /m³	1	17.13	80	TS 5182 (Part 6): 2006
5.	CL2	μg /m³	ž.	1,33	100	IS 5182(Part 19): 1982
б.	Ammonia (NH ₃)	μg /m ³	:	2.98	400	Guidelines By CPCB(Vol-1)
7.	H ₂ 5	pg/m²	1	N.D.	500	IS 5182 (Part 7): 1973

Remark: N.D. - Nor Detected.

Authorized By -

Name : Bhavisha Pandya

Designation: Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples
are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

e-currence - curiorite and order	TEST REPORT FORMAT - AMBIEN	(T
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01:03:2021	Issue Date: 01-01-2015	Revision Date: 01:03:2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.; APR22/109/30 (ULR- TC709922000008133F)

SAMPLE DETAILS

1,	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Ind No 1,GIDC Vilay	iustries Ltd.,- C at Industrial Es	hemic state,E	al Division. Sharuch,PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
2	Sample ID: 2147888246 -	109AP22AQ04		Client Representative: Mr. Vikas Valand			
4.	Sampling Date: 15.04.202			5.	Sampling Location: Nr. M.	arketing Yard	
6.	Sampling time: 15:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 18.04.2022				Analysis Completed on: 18.04.2022		
10.	Reporting Date: 28.04.2				Discipline: Chemical		
12.			rma	13.	and the second s	tion	
14.	2.5	ethod		15.	Product: Ambient Air	With the state of	
16.			Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	and the second s	Temp: Normal	Humidity: Med	fium	Wind speed: Smooth	Cloud cover: Clear sky	
-	Rain: No Rain	Wind Direction:	Cross wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	18.04.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PMin	Fg /m ¹	1	63	100	TS 5182 (Part 23) : 2006
2	PM 25	µg /m²	1	19	60	Guidelines By CPCB(Vol-1)
3	Sulphur Dioxide (SO ₂)	µg /m³	3	10.59	80	15 5182 (Part 2) : 2001
4	Oxides of Nitrogen (NOx)	pg /m³	:	21.44	80	15 5182 (Part 6) : 2006
S.	CL ₂	µg /m³	:	2.21	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	kg /m³	1	2.49	400	Guidelines By CPCB(Vol-1)
7.	H ₂ S	μg /m³	3	N.D.	500	1S 5182 (Part 7): 1973

Remark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIEN	NT
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

KADAM ENVIRONMENTAL CONSULANNEXURE 8

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LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/31

SAMPLE DETAILS

					and the second s		
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Ind No 1,GIDC Vilay	lustries Ltd.,- C vat Industrial E	themic state, E	al Division. Bharuch,PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2147888246 -	109AP22AQ01		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 15.04.202	2		5.	Sampling Location; Nr. Al	uminum Plant	
6.	Sampling time: 14:00 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 18.04.2022				Analysis Completed on: 18.04.2022		
10.	Reporting Date: 28.04.2						
12.	Sample Collected By: M	10000	rma	13.	Group: Atmospheric Pollu	tion	
14.	Sampling Procedure: IS M			15.	Product: Ambient Air		
16.	Description of Sample:	7.5.5.1.1.1.5.	Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	Environment Condition:	Temp: Normal	Humidity: Me	dium	Wind speed: Smooth	Cloud cover: Clear sky	
9512	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industria	
18.	Sample Received Date:	18.04.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	co	μg /m ³	:	755	5000	IS 5182(Part 10): 1999
2.	HCL	μg /m3		4.50	200	APHA 23rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m ³	1	N.D.	160	IS 5182(Part 21): 2001
4.	HF	μg /m³	4	1.24	50	IS 5182 (Part 13): 1991
5.	CS ₂	µg /m³	3	N.D.	2000	IS 5182 (Part 20): 1982

Remark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation: Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - AMBIER	T)
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03;2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/32

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	ddress of Client: M/s. Grasim Industries Ltd.,- Chemical Division. ant-Vilayat' Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat.Pin code-								
2.	Sample ID: 2147888246 -	- 109AP22AQ02		3.	Client Representative: Mr. Vikas Valand					
4.	Sampling Date: 15.04.202			5.	Sampling Location: Nr.PAC Plant					
6.	Sampling time: 14:30 hr			7.	Sampling Duration: 24 Hrs					
8.	Analysis commenced on	: 18.04.2022		9.	Analysis Completed on: 18.04.2022					
10.	- Carlotte	****		11.	Discipline: Chemical					
12.	Control of the contro		rma	13.	Group: Atmospheric Pollu	ition				
14,				15.	Product: Ambient Air	WOLLDWAY TO WALL TO SELECT THE TANK				
16.	Description of Sample:	Sampling	Bottles: Sealed	14	Filter Paper: Packed √	Bladder: Clamped √				
17.	Environment Condition:	Temp: Normal	Humidity: Me	dium	Wind speed: Smooth	Goud cover: Clear sky				
200	Rain: No Rain	Wind Direction:	Cross wind		Wind blowing from: -	Station category: Industrial				
18.	Sample Received Date:	18.04.2022								

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	co	hā /w,	3	901	5000	TS 5182(Part 10): 1999
2.	HCL	ug /m3	4	3.64	200	APHA 23 rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	µg /m³	1	N.D.	160	IS 5182(Part 21): 2001
4.	HF	μg /m ¹	1	0.64	50	IS 5182 (Part 13): 1991
5.	CS ₂	μg /m³	:	N.D.	2000	IS 5182 (Part 20): 1982

Authorized By -

Name: Bhavisha Pandya

Designation : Sr. Chemist

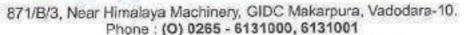
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are not consumed during analysis. The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIER	NT.
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03.
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/33

SAMPLE DETAILS

1.	Name & Address of Client: M/s, Grasim Industries Ltd.,- "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial					-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2147888246	- 109AP22AQ03		3.	Client Representative: Mr	. Vikas Valand	
4.	Sampling Date: 15.04.2022				Sampling Location: Nr.Main Gate		
6.	Sampling time: 13:00 hr				Sampling Duration: 24 Hrs		
8.	Analysis commerced on: 18.04.2022			9.	Analysis Completed on: 18.04.2022		
10.	Reporting Date: 28.04.2022			11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Shubham Ve	rma	13.	Group: Atmospheric Pollu	rtion	
14,	Sampling Procedure: IS M		errer	15.	Product: Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	Environment Condition:	Temp: Normal	Humidity: Me	dium	Wind speed: Smooth	Cloud cover: Clear sky	
-WCW	Rain: No Rain	Wind Direction:	Cross wind		Wind blowing from: +	Station category: Industrial	
18.	Sample Received Date:	18.04.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	ω	µg /m³	15	801	5000	IS 5182(Part 10): 1999
2.	HCL	µg/m3	1.	4.71	200	APHA 23rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m ³	:	N.D.	160	1S 5182(Part 21): 2001
4.	HF	μg /m³	1	0.83	60	IS 5182 (Part 13): 1991
5.	C52	μg /m³	3	N.D.	2000	IS 5182 (Part 20): 1982

Remark: N.D. - Not

Authorized By -

Name: Bhavisha Pandya NOTE:

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - AMBIENT					
DDC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03			
fective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: APR22/109/34

SAMPLE DETAILS

1.	Name & Address of Client; "Caustic Plant-Vilayat" Plot 392140.					-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2147888246 -	- 109AP2ZAQ04		3.	Client Representative; Mr. Vikas Valand		
4.	Sampling Date: 15.04.2022			5.	Sampling Location: Nr. Marketing Yard		
6.	Sampling time: 15:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 18.04.2022			9.	Analysis Completed on: 18.04.2022		
10.	- Proposition and the contract of the contract			11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Shubham Ve	rma	13.	Group: Atmospheric Pollu	tion	
14.				15.	Product: Ambient Air	Street, and a series of the se	
16.	Description of Sample:	Sampling 1	Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped √	
17.	Environment Condition:	Temp: Normal	Humidity: Med	dlum	Wind speed: Smooth	Cloud cover; Clear sky	
	Rain: No Rain	Wind Direction:	Cross wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	18.04.2022				1	

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	co	jig /m³	1	714	5000	15 5182(Part 10): 1999
2.	HCL	µg /m3	3	4.07	200	APHA 23 ^d Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m ³	3	N.D.	160	15 5182(Part 21): 2001
4.	HF	μg /m³	:	0.75	60	IS 5182 (Part 13): 1991
5.	CSz	ug /m²	4.	N.D.	2000	IS 5182 (Part 20): 1982

Remark: N.D. - Not Detected.

.

Authorized By -

Name : Bhavisha Pandya

Designation: Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIEL	VT .
DOC. NO.: LAB-FNT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: APR22/109/37

SAMPLE DETAILS

		MAILTE	DETAILS
1.	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pincode-392140.		td.,- Chemical Division. trial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat.
2.	Sample ID: 2147888246 - 109AP22HW01	3,	Client Representative: Mr. Vikas Valand
4.	Sample Date: 16,04,2022	5.	Sampling location: Brine Sludge
6.	Analysis commenced on: 20.04.2022	7.	Analysis Completed on: 28.04.2022
8.	Reporting Date: 28.04.2022	9.	Sample Collected By: Mr. Shubham Verma
10.	Physical Status: Solid	11.	Discipline: Chemical
12.	Sample Category: -	13.	Group: Pollution and Environment
14.	Colour: Light Gray	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in	polythe	ne bags.√
17.	Sample Received Date: 20.04.2022		

TEST RESULTS

			TEST RESOL	13	
S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1,	pH	:	6.98	N.A.	APHA 23rd Edition 4500-H1 B
2.	% Moisture Contents	96 ;	32,90	N.A.	APHA 23rd Edition 2540 C
3,	COD	gm/kg :	4.07	N.A.	APHA 23 rd Edition 5220 B
4.	Cyanide	gm/kg ;	N.D	N.A.	APHA: 23rd Edition 4500 CN: E
5.	Chromium	gm/kg :	< 0.0002	N.A.	APHA 23rd Edition 3500 Cr + B
6.	Copper	gm/kg :	< 0.0006	N.A.	APHA 23rd Edition 3111 B
7.	Lead	gm/kg :	< 0.0004	N.A.	APHA 23rd Edition 3111 B
8.	Nickel	gm/kg :	< 0.0004	N.A.	APHA 23rd Edition 3111 B
9.	Zinc	gm/kg :	< 0.0006	N.A.	APHA 23rd Edition 3111 B
10.	Total Inorganic Solids	% :	10.16	N.A.	APHA 23rd Edition 2540 C
11.	Total Alkalinity as CaCo3	gm/kg :	3.2	N.A.	APHA 23rd Edition 2320 B
12.	Phosphate	gm/kg :	0.036	N.A.	APHA 23rd Edition 4500 P - C

Remark: 5 % leachage solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Name : Bhavisha Pahdya

Designation : Sr.Chemist

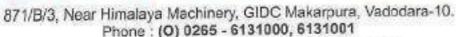
(OTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

- Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - SOLID WAST	E
DOC. NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03
Effective Date: 01,03.2021	Issue Date: 01-01-2015	Revision Date: 01.03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: APR22/109/38

SAMPLE DETAILS

16	Name & Address of Client: M/s. Grasim Indu	stries Lt	td.,- Chemical Division. trial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat.
2.	Sample ID: 2147688246 - 109AP22HW02	3.	Client Representative: Mr. Vikas Valand
4.	Sample Date: 16.04.2022	5.	Sampling location: Phosphoric Acid
6.	Analysis commenced on: 20.04.2022	7.	Analysis Completed on: 28,04,2022
8.	Reporting Date: 28.04.2022	9.	Sample Collected By: Mr. Shubham Verma
10.	Physical Status: Solid	11.	Discipline: Chemical
12.	Sample Category: -	13.	Group: Pollution and Environment
14,	Colour: Gray	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in	polythe	ne bags.√
17.	Sample Received Date: 20.04.2022	these-	O-CONCURANCE————————————————————————————————————

TEST RESULTS

			TEGINEDOL	1.46		
S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	pH		5.89	N.A.	APHA 23rd Edition 4500-H+ B	
2.	% Moisture Contents	% :	37.70	N.A.	APHA 23rd Edition 2540 C	
3.	COD	gm/kg :	4,70	N.A.	APHA 23rd Edition 5220 B	
4.	Cyanide	gm/kg :	N.D.	N.A.	APHA: 23 rd Ecition 4500 CN ⁻ E	
5.	Chromium	gm/kg :	< 0.0002	N.A.	APHA 23rd Edition 3500 Cr - B	
6.	Copper	gm/kg :	< 0.0006	N.A.	APHA 23rd Edition 3111 B	
7.	Lead	gm/kg :	< 0.0004	N.A.	APHA 23rd Edition 3111 B	
8.	Nickel	gm/kg :	< 0.0004	N.A.	APHA 23rd Edition 3111 B	
9.	Zinc	gm/kg :	<0.0006	N.A.	APHA 23rd Edition 3111 B	
10.	Total Inorganic Solids	% :	18.8	N.A.	APHA 23rd Edition 2540 C	
11.	Total Alkalinity as CaCo3	gm/kg :	1.5	N.A.	APHA 23rd Edition 2320 B	
12.	Phosphate	gm/kg :	0.058	N.A.	APHA 23rd Edition 4500 P - C	
	A CAMPAGNATURE OF THE PARTY OF		- Control of the Cont			

Remark: 5 % leachate solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By - TXX Name : Bhavisha Pandya

Designation: Sr.Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed. 2) during analysis.

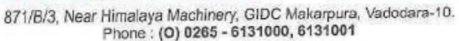
The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - SOLID WASTE					
DOC. NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03,2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: APR22/109/39 (ULR- TC709922000008136F)

SAMPLE DETAILS

	27.11	A STATE OF THE PARTY OF THE PAR	NAME.
1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Ind Pincode-392140.	Ltd.,- Chemi ustrial Estate,	cal Division. Bharuch,PO-Villayat Taluka-Vagra.Gujarat.
2.	Sample ID: 2147888246 - 109AP22NO01	3.	Client Representative: Mr.Vikas Valand
4.	Sampling Date: 16.04.2022	5.	Sample Collected By: Mr. Shubham Verma
6.	Analysis commenced on: 16.04.2022	7.	Analysis Completed on: 16.04.2022
8.	Reporting Date: 28.04.2022	9.	Sampling Location:
10.	Discipline: Chemical	13.	Sample Received Date : 16.04.2022
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels		

TEST RESULTS

S. No.	Location Nr. Main Gate	1	Day	N	ight	
		Time	Reading dB(A)	Time	Reading dB(A)	Method
1.		11:00 hr	61.5	22:00 hr	60.3	IS 9989: 1981
2.	Nr. ALCP Plant	12:00 hr	64.5	22:10 hr	61.2	IS 9989: 1981
3,	Nr.PAC Plant	12:30 hr	66.5	22:20 hr	59.3	IS 9989: 1981
4.	Nr.CL2 Area	13:00 hr	62.5	22:36 hr	48.9	IS 9989; 1981
5.	Nr.ETP	11:30 hr	65.0	22:35 hr	49.2	IS 9989: 1981
6.	Near Coal Tippler	12:10 hr	62.0	22:30 hr	50,1	IS 9989: 1981
7.	Fiber Main Gate	12:20 hr	62.5	22:46 hr	51.9	IS 9989: 1981
В.	Fiber Material Gate	12:50 hr	66.4	22:30 hr	59.3	IS 9989: 1981

Remark:

Authorized By Name : Bhavisha Pandya

Designation : Sr.Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

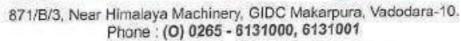
3) The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - NOISE					
DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02			
Effective Date: 01.07.2020	Issue Date: 01-05-2015	Revision Date: 01.07.2020			



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/01 (ULR- TC709922000008116F)

SAMPLE DETAILS

1.	Name & Address of Clien	t: M/s. Grasim In	dus	tries Ltd.,- Chemical Division. Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujar				
	Pin code-392140.	OF NO TAGENCY WAS	Year	Thorasona to		4.61		
2.	Sample ID: 2147888246	- 109AP22SE01	13	3. Client	Oient Representative; Mr.Vikas Valand			
4.	Sample Date: 16.04.202			5. Sampl	ing Location: Calcium	Chloride Plant		
6.	Sampling Time: 10:30 hr		13	7. Sampl	Sampling Duration: 20 Mins.			
8.	Analysis commenced on:	The second section of the second seco	18	9. Analys	is Completed on: 18	3.04.2022		
10.	Reporting Date: 28.04.20	022	13	11. Discip	ine: Chemical	NAME OF THE PARTY		
12.	Sample Collected By: Mr.				: Atmospheric Polluti	on		
14.	Sampling Procedure: IS	Method	10	Produ	Product: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed	led Thimble:Packed √ Bladder: Clamped			
17.	Sample Received Date: 3	18.04.2022			W			
100	V		ST	ACK DETAIL	S			
S.No.	Parameters	Unit (SI)		Description				
1.	Source		1	Calcium Ch	Calcium Chloride Plant			
2.	Height	m	1	£	-			
3.	Diameter	mm	3	8				
4.	Temperature	o _C	1	74				
5.	Velocity	m/s	4	5.4				
5.	Type of fuel used		1:	N.A.				
7.	Quantity of fuel used		3	N.A.				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	;	14	150	IS 11255 (Part 1): 1985		
Rema	irk: J.J		-					
Autho	orized By							
	: Bhavisha Pandya			Designa	tion : Sr. Chemist			

NOTE:

) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples
are not consumed during analysis.

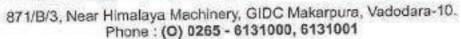
3) The results reported above relate to the sample identified under Sample Details.

100	TEST REPORT FORMAT - STACK	500 AND 200 AND
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/07 (ULR-TC709922000008122F)

SAMPLE DETAILS

				_	DETAIL			
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.	it: M/s. Grasim In lot No 1,GIDC Vila	dus yat	Indu	istrial Est	ate,Bharuch,PO-Villay		
2.	Sample ID: 2147888246	- 109AP22SE07	13	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 16.04.2022			5	Sampling Location: Chlorinated Paraffin Plant			
6.	Sampling Time: 12:20 h		13	7.				
8.	Analysis commenced on:		13	9.	Analysis Completed on: 18.04.2022			
10.	Reporting Date: 28.04.2	022		11.	Discipline: Chemical			
12.	Sample Collected By: Mr	. Shubham	13	13.		Atmospheric Pollution	1	
14.	Sampling Procedure: IS	Method	10	15.	Product	: Stack Emission	1	
16.	Description of Sample:	Sampling Bottle	s: S	eale	d√	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	18.04.2022						
			ST	ACK	DETAILS			
S.No.	.No. Parameters Unit (SI)			Description				
1.	Source			Chi	lorinated	Paraffin Plant		
2.	Height	m	1	35	35			
3.	Diameter	mm	:	350	350			
4.	Temperature	°C		39	39			
5.	Velocity	m/s	:	(4)				
6.	Type of fuel used	3/03/17	:	N.A	200			
7.	Quantity of fuel used		1:	N.A	4	25	40	
S. No.	Parameters	Unit (SI)		38	Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Ci ₂	mg/Nm³	:		0.312	9	LAB-SOP-104	
Rema	irk:			1				
	orized By -							
And in contrast of the Contras	. Phayisha Pandya				Designat	tion : Sr. Chemist		

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 Issue No.: 02 DOC. NO.: LAB-FMT-052 Revision Date: 01.03.2021 Issue Date: 01-01-2015 Effective Date: 01.03.2021

Page 1 of 1



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/08 (ULR-TC709922000008123F)

SAMPLE DETAILS

1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl	t: M/s. Grasim Ind ot No 1,GIDC Vila	dus yat	tries Ltd.,- Industrial	Chemical Division. Estate,Bharuch,PO-Villa	yat Taluka-Vagra.Gujarat	
	Pin code-392140.	10040000000		3. Clier	et Bancocentativo: Mr Vi	kas Valand	
F 600	Sample ID: 2147888246		+				
4.	Sample Date: 16.04.2022				pling Duration: 15 Mins		
6.	Sampling Time: 12:20 hr		1		ysis Completed on: 18.		
8.	Analysis commenced on: 18.04.2022		13		pline: Chemical	O TILOUE	
10.	Reporting Date: 28.04.2022 Sample Collected By: Mr. Shubham		$\overline{}$	100000000000000000000000000000000000000	p: Atmospheric Pollutio	n	
12,	Sampling Procedure: IS		_		uct: Stack Emission		
14.	Description of Sample:		-		Thimble:Packed	Bladder: Clamped	
16.	Sample Received Date:		3. 3	regorda v	THE RESERVE OF THE PARTY OF THE	Philosophia sila-	
17.	Sample Received Date.	20.04.2022	ST	ACK DETA	ILS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source		:	Sodium	Sodium Hypo Stack 1		
2.	Height	m	1	35			
3.	Diameter	mm	1	450			
4.	Temperature	o _C	1:	42			
5.	Velocity	m/s	1	-			
б.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Result	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Cb	mg/Nm³	1	1.157	9	LAB-SOP-104	
Rema	rk: N. D.	41 1000 0000	***			7/1	
Autho	orized By -						
Name : Bhavisha Pandya				Desig	Designation : Sr. Chemist		

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Tysue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/09 (ULR-TC709922000008124F)

SAMPLE DETAILS

9 11 11 11			A	APLE DETAI	LS			
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					at Taluka-Vagra.Gujaral		
2.	Sample ID: 2147888246	- 109AP22SE09		3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 16.04.2022			5. Sampl	ing Location: Sodium I	Hypo Stack - 2		
6,	Sampling Time: 12:40 h			7. Sampl	ing Duration: 15 Mins	y seems attended to		
8.	Analysis commenced on: 18.04.2022			9. Analys	is Completed on: 18.0	04.2022		
10.	Reporting Date: 28.04.2022			11. Discipl	ine; Chemical			
12.	Sample Collected By: Mr. Shubham			13. Group	Atmospheric Pollution	1		
14.	Sampling Procedure; IS	Method		15. Produc	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: 5	Sealed √ Thimble: Packed Bladder: Clamped				
17.	Sample Received Date:	18.04.2022						
			ST	ACK DETAIL	S			
S.No.	<u>Parameters</u>	Unit (SI)		Description				
1.	Source		3	Sodium Hy	rpo Stack – 2			
2.	Height	m	1	35	W-10CH-1VI			
3.	Diameter	mm	1	450				
4.	Temperature	°C	1:	43				
5.	Velocity	m/s	3					
6.	Type of fuel used	V5/#42	1	N.A.				
7.	Quantity of fuel used			N.A	Name of the last o			
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Cla	mg/Nm ³	:	1.938	9	LAB-SOP-104		
Remai	rk:	th united the con-	- Co	THE CONTRACTOR	mir	754-1562-83.40/EVS/II		
	rized By - D	77						

NOTE:

Name: Bhavisha Pandya

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

Designation : Sr. Chemist

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT----

	TEST REPORT FORMAT - STACK	and the second s
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/10 (ULR- TC709922000008125F)

		5	SAN	MPLE DET	AILS			
1,	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.			THE RESIDENCE OF THE PARTY OF THE PARTY.		yat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2147888246	- 109AP22SE10		3. Cie	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 16.04.202	2		5. San	pling Location: Alumini	um Chloride Plant		
6.	Sampling Time: 13:00 h	r		7. San	pling Duration: 15 Mins			
8.	Analysis commenced on: 18.04.2022			9. Ana	lysis Completed on: 18	.04.2022		
10.	Reporting Date: 28.04.2022			11. Disc	ipline: Chemical	(objective views)		
12.	Sample Collected By: Mr. Shubham				up: Atmospheric Pollutio	on .		
14.	Sampling Procedure: IS	Method		15. Proc	duct: Stack Emission			
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed √ Thimble:Packed Bladder: Clamped				
17.	Sample Received Date:	18.04.2022	-			- W		
			ST	ACK DETA	ILS			
S.No.	Parameters	Unit (SI)	Г		Description			
1.	Source		:	Alumini	um Chloride Plant			
2.	Height	m	13	35				
3.	Diameter	mm		350				
4.	Temperature	°c	2	39				
5.	Velocity	m/s	1	-				
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used			N.A				
S. No.	Parameters	Unit (SI)		Result	SPCB Norms/ BIS Standards	Method Used		
1.	Cb	mg/Nm³	:	0.701	9	LAB-SOP-184		
Rema	rk:	11.5	-		***	- 1/1		
Autho	orized By -							
Name	: Bhavisha Pandva			Desig	nation : Sr. Chemist			

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	TWO CONTRACTORS OF THE PARTY OF
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/11 (ULR-TC709922000008126F)

SAMPLE DETAILS

	Name & Address of Clier	_			td.,- Che			
T.	"Caustic Plant-Vilayat" P Pin code-392140.	lot No 1,GIDC Vila	yat	Indus	trial Est	ate,Bharuch,PO-Villay		
2.	Sample ID: 2147888246	- 109AP22SE11		3.	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 16.04.202	2		5.	Samplin	ng Location: Stable Bl	eaching Powder Plant	
6.	Sampling Time: 12:40 hr		1	7.		ng Duration: 15 Mins		
8.	Analysis commenced on			9.	Analysis	s Completed on: 18.0	¥.2022	
10.	Reporting Date: 28.04.2	022		11.		ne: Chemical		
12.	Sample Collected By: Mr. Shubham			13.	Commence of the last transfer	Atmospheric Pollution	1	
14.	Sampling Procedure: IS	Method		15. Product: Stack Emission		F32 92 - 92 - 77		
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed	V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	18.04.2022						
			ST	ACK [DETAILS	5		
S.No.	Parameters	Unit (SI)		Description			tion	
1.	Source		:	Stat	le Blea	ching Powder Plan	t	
2.	Height	m		35				
3.	Diameter	mm	:	200	6			
4.	Temperature	°C	1:	46				
5.	Velocity	m/s	1					
6.	Type of fuel used		:	N.A	(
7.	Quantity of fuel used		1	N.A	6			
S. No.	Parameters	Unit (SI)		R	esults	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Oz	mg/Nm ³	:		341	9	LAB-SOP-104	
Rema	irk:						WY -	
	orized By -							
					and among	New Chamist		

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT---

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date: 01.03.2021	fesure Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/12 (ULR-TC709922000008127F)

SAMPLE DETAILS

	=/	Control of the Contro		IPLE DETAI	THE RESERVE OF THE PARTY OF THE		
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.	it: M/s. Grasim In lot No 1,GIDC Vila	dus yat	tries Ltd.,- Cl Industrial Es	nemical Division. tate,Bharuch,PO-Villay	at Taluka-Vagra.Gujarat.	
2.	Sample ID: 2147888246	- 109AP22SE12		Glent	Representative: Mr.Vik	as Valand	
4.	Sample Date: 16.04.2022		100	- 125 (21 10 Tol.)	Sampling Location: Poly Aluminium Chloride Plant (Old Powder Plant)		
6.	Sampling Time: 13:00 hr			7. Sampl	ng Duration: 15 Mins		
8.	Analysis commenced on: 18.04.2022			9. Analys	is Completed on: 18.0	14.2022	
10.	Reporting Date: 28.04.2022			Disciple	ine: Chemical		
12.	Sample Collected By: Mr. Shubham				: Atmospheric Pollution	Υ	
14.	Sampling Procedure: IS	Method		Produc	ict: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	Sealed √	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:			YORK TANK		—	
edive:			ST	ACK DETAIL	.S		
S.No.	Parameters	Unit (SI)			Description		
1.	Source		1	Poly Alumin	nium Chloride Plant (O	id Powder Plant)	
2.	Height	m	:	35			
3.	Diameter	mm	+	350			
4.	Temperature	°c	1	39			
5.	Velocity	m/s	:	*			
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Cl ₂	mg/Nm ³	1	0.812	9	LAB-SOP-104	
Rema	rk: deld		din				
Autho	rized By -						
-	: Bhavisha Pandya			Designa	tion : Sr. Chemist	- or -	

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3) The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - STACK						
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/13 (ULR-TC709922000008128F)

	CONTROL OF THE ST	DAI	ALC DE IN	ILO				
					yat Taluka-Vagra.Gujarat.			
Sample ID: 2147888246	- 109AP22SE13	- 1	3. Client	Client Representative: Mr. Vikas Valand				
Sample Date: 16.04.2022					minium Chloride Plant (New			
Sampling Time: 13:20 hr			7. Samp	ling Duration: 15 Mins	1			
Analysis commenced on: 18.04.2022			9. Analy	sis Completed on: 18.	04.2022			
Reporting Date: 28.04.2022			11. Discip	line: Chemical				
Sample Collected By: Mr	. Shubham Verma	9	13. Group	: Atmospheric Pollutio	n			
Sampling Procedure: IS	Method		15. Product: Stack Emission					
Description of Sample:	Sampling Bottle	s: S	iealed √ Thimble:Packed Bladder: Clamped					
Sample Received Date:	18.04.2022							
		ST	ACK DETAI	LS				
Parameters	Unit (SI)			Description				
Source			Poly Alum	inium Chloride Plan	t (New Powder Plant)			
Height	m		35					
Diameter	mm	1:	350					
Temperature	°C		41					
Velocity	m/s		.91					
Type of fuel used		1:	N.A					
Quantity of fuel used			N.A					
Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
Cl2	mg/Nm³	1	0.571	9	LAB-SOP-104			
k: ded	- 5	2011		100				
rized By -								
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	"Caustic Plant-Vilayat" P Pin code-392140. Sample ID: 2147888246 Sample Date: 16.04.202 Sampling Time: 13:20 h Analysis commenced on: Reporting Date: 28.04.2 Sample Collected By: Mr Sample Procedure: IS Description of Sample: Sample Received Date: Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters Cb	Name & Address of Client: M/s. Grasim In "Caustic Plant-Vilayat" Plot No 1,GIDC Vila Pin code-392140. Sample ID: 2147888246 – 109AP22SE13 Sample Date: 16.04.2022 Sampling Time: 13:20 hr Analysis commenced on: 18.04.2022 Reporting Date: 28.04.2022 Sample Collected By: Mr. Shubham Verma Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 18.04.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) Cb mg/Nm³	Name & Address of Client: M/s. Grasim Indus "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code-392140. Sample ID: 2147888246 - 109AP22SE13 Sample Date: 16.04.2022 Sampling Time: 13:20 hr Analysis commenced on: 18.04.2022 Reporting Date: 28.04.2022 Sample Collected By: Mr. Shubham Verma Sampling Procedure: IS Method Description of Sample: Sampling Bottles: S Sample Received Date: 18.04.2022 ST Parameters Unit (SI) Source Height Diameter Temperature °c Velocity Type of fuel used Quantity of fuel used Parameters Unit (SI) Cb mg/Nm³ :	Name & Address of Client: M/s. Grasim Industries Ltd., - C "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial E Pin code-392140. Sample ID: 2147888246 − 109AP22SE13 3. Client Sample Date: 16.04.2022 5. Sample Date: 16.04.2022 5. Sample Date: 16.04.2022 Sampling Time: 13:20 hr 7. Sample Powd Analysis commenced on: 18.04.2022 9. Analy Reporting Date: 28.04.2022 11. Discip Sample Collected By: Mr. Shubham Verma 13. Group Sampling Procedure: IS Method 15. Production Description of Sample: Sampling Bottles: Sealed √ Sample Received Date: 18.04.2022 STACK DETAI Parameters Unit (SI) Source : Poly Alum Height Height m : 35 Diameter mm : 350 Temperature °c : 41 Velocity m/s : N.A Type of fuel used : N.A Quantity of fuel used : N.A Parameters Unit (SI) Results	Sample ID: 2147888246 - 109AP22SE13 3. Client Representative: Mr.Vi			

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK					
DOC. NO.: LAB-FMT-05Z	Issue No.: 02	Revision No.: 03			
fective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/14 (ULR-TC709922000008129F)

CAMPLE DETATIS

		-			DETAIL	The second secon			
1,	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.	nt: M/s. Grasim Ind lot No 1,GIDC Vilay	lust /at	Indus	trial Es	tate, Bharuch, PO-Villay	vat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2147888246	- 109AP22SE14		3.	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 16.04.2022				The second secon				
6.	Sampling Time: 13:20 hr					ng Duration: 15 Mins			
8.	Analysis commenced on: 18.04.2022			9.	Analys	is Completed on: 18.	04.2022		
10.	Reporting Date: 28.04.2022			11.	Discipl	Ine: Chemical			
12.	Sample Collected By: Mr. Shubham Verma					Atmospheric Pollutio	n		
14.	Sampling Procedure: IS		15. Product: Stack Emission						
16.	Description of Sample:		: 5	ealed	V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:								
41.1			ST	ACK D	ETAIL	S			
S.No.	Parameters	Unit (SI)				Descrip	tion		
1.	Source		:	Poly	Alumi	inium Chloride Plan	it (Liquid Plant)		
2.	Height	m	:	35					
3.	Diameter	mm	1	350					
4.	Temperature	o _C	:	40					
5.	Velocity	m/s							
6.	Type of fuel used		1	N.A					
7.	Quantity of fuel used		:	N.A					
S. No.	Parameters	Unit (SI)		Re	esults	Specification / SPCB Norms / BIS Standards	Method Used		
1.	O ₂	mg/Nm ³	:	0	.491	9	LAB-SOP-104		
Rema	ark:	A. Marketter	-51000		W14	7.5			
Auth	orized By -								
Name	e : Bhavisha Pandya			D	esigna	ition : Sr. Chemist	V-E W Inharatana		

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details, -----END OF REPORT----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/15

SAMPLE DETAILS

6.	Sampling Time: 13:40 hr			The state of the s	ng Duration: 15 Mins s Completed on: 18	BWW BWW BWW
8.	Analysis commenced on:	23.7-0	-	The second second second	s Completed on ; 18 ne: Chemical	.01.2022
10. 12.	Reporting Date: 28.04.20 Sample Collected By: Mr	A CONTRACTOR OF THE PARTY OF TH	_	1000 1000 1000 1000	Atmospheric Pollutio	30
-	Sampling Procedure: IS		-	The second secon	t: Stack Emission	A1
14.	Description of Sample:	Section of the second of the s	_			
17.	Sample Received Date:	AND THE PROPERTY OF THE PROPER	2. 0	colcu v	THIRDICT GOVERY	Dicada Compto
1/-	Sample Received Date:		ST	ACK DETAIL	<u>s</u>	
S.No.	Parameters	Unit (SI)		Description		
1.	Source		3	: HCL Stack - 1		
2.	Height	m	1	35		
3.	Diameter	mm	1	150		
4.	Temperature	°C	:	39		
5.	Velocity	m/s		9		
6.	Type of fuel used	(4	1:	N.A		
7.	Quantity of fuel used		1:	N.A		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1444			_		The state of the s	APHA 23rd Edition: 4500 - CI C

1) NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details, -----END OF REPORT---

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/16

SAMPLE DETAILS

1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					ayat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2147888245	- 109AP22SE16		3. Client	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 16.04.202	2		5. Samp	ling Location: HCL Sta	ck - 2		
6.	Sampling Time: 13:40 hr		T	7. Samp	ling Duration: 15 Min	S		
8.	Analysis commenced on	: 18.04.2022		9. Analy	sis Completed on: 18	3.04.2022		
10.	Reporting Date: 28.04.2022				line: Chemical			
12.	Sample Collected By: Mr	. Shubham		13. Group	: Atmospheric Polluti	ion		
14.	Sampling Procedure: IS	AND			ict: Stack Emission	5500		
16.	Description of Sample:	Sampling Bottle	s: S	sealed √	Thimble: Packed√	Bladder: Clamped		
17.	Sample Received Date:	ACCUSED AND DESCRIPTION OF THE PERSON OF THE			H000			
1700 X == 0		in a second	ST	ACK DETAI	LS			
S.No.	<u>Parameters</u>	Unit (SI)		0	Descr	ption		
1.	Source		:	HCL Stack	- 2			
2.	Height	m	1	35				
3.	Diameter	mm	i i	150				
4.	Temperature	°c		39				
5.	Velocity	m/s	:					
6.	Type of fuel used	80 80	:	N.A				
7.	Quantity of fuel used		:	N.A	- NY			
S _x No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³	:	13.45	35	APHA 23rd Edition: 4500 - CI C		
Rema	rk:	- 10		W.				
Autho	orized By -							

Name : Bhavisha Pandya

na Pandya Designation : Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/17

SAMPLE DETAILS

1.	Name & Address of Clien "Caustic Plant-Vilayat" Pi Pin code-392140.					ayat Taluka-Vagra, Gujarat,		
2.	Sample ID: 2147888246	- 109AP22SE17	13	3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 16.04.202	Contract Con		5. Samp	ling Location: HCL Sta	ock - 3		
6.	Sampling Time: 14:20 hr		13	7. Samp	ling Duration: 15 Mins	5		
8.	Analysis commenced on:	18.04.2022	10	9. Analy	sis Completed on: 18	.04.2022		
10.	Reporting Date: 28.04.2	022	13	11. Discip	oline: Chemical			
12.	Sample Collected By: Mr. Shubham				o: Atmospheric Pollution	non		
14.	Sampling Procedure: IS				ict: Stack Emission			
16.	Description of Sample:	Sampling Bottle:	s: S	ealed √	Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date:				WATER CO.			
-		1	ST	ACK DETA	LS			
S.No.	Parameters	Unit (SI)		Description				
1.	Source		1	HCL Stack	-3			
2.	Height	m	:	35				
3.	Diameter	mm	1	150				
4,	Temperature	°C	1	41				
5.	Velocity	m/s	1					
6.	Type of fuel used		:	N.A				
7.	Quantity of fuel used		1	N.A				
<u>s.</u> No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/km³	1	15.16	35	APHA 23rd Edition: 4500 - CI C		
Rema	ark:					90		
	orized By -							

Name : Bhavisha Pandya

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/18

SAMPLE DETAILS

1,		t: M/s. Grasim In	dus	tries Li		emical Division.	ayat Taluka-Vagra.Gujarat,
2.	Pin code-392140. Sample ID: 2147888246	- 1094P77SF18	T	3.	Client B	epresentative: Mr.V	likas Valand
4.	Sample Date: 16.04.202			-		ng Location: HCL Sta	
6.	Sampling Time: 14:30 hr			-	-	ng Duration: 15 Mins	
8.	Analysis commenced on:	CTPSSC AUTOMORAL PROPERTY		-		s Completed on : 18	
10.	Reporting Date: 28.04.2	LUCKS CONTRACTOR OF THE PARTY O	1			ne: Chemical	O I LOVE
12.			_			Atmospheric Pollution	on.
14.	Sample Collected By: Mr. Shubham Sampling Procedure: IS Method				-	t: Stack Emission	0.00
16.	Description of Sample:	Sampling Bottle	-	-		Thimble: Packed √	Bladder: Clamped
17.	Sample Received Date:	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	31.0	edico		Time monday denied Y	poddor. Caripes
17.	Sample Necessed Date:		ST	ACK D	ETAIL	S	
S.No.	Parameters	Unit (SI)	П			Descri	ption
1.	Source		4	HCL	Stack -	4	
2.	Height	m		35			
3.	Diameter	mm	1 :	150			
4.	Temperature	°C	:	40			
5.	Velocity	m/s	:	1			
6.	Type of fuel used		3	N.A			
7.	Quantity of fuel used		12	N.A			4.0
S. No.	Parameters	Unit (SI)		Re	sults	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HOL	mg/Nm³	1	34	1.04	35	APHA 23rd Edition: 4500 - Cl C
Rema	ark:	1 10	15.17	· -			
Autho	orized By -						

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 Issue No.: 02 DOC. NO.: LAB-FMT-052 Revision Date: 01.03.2021 Issue Date: 01-01-2015 Diffective Date:, 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AFR22/109/19

SAMPLE DETAILS

1.	Name & Address of Clier			ries Ltd (- Contraction		
1.						ayat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2147888246	- 109AP22SE19	13	Client	Client Representative: Mr. Vikas Valand		
4.	Sample Date: 16.04.2022			5. Samp	ling Location: Phospho	oric Acid Plant	
6.	Sampling Time: 14:30 hr			7. Samp	oling Duration: 15 Mins	5	
8.	Analysis commenced on:	18.04.2022		9. Analy	sis Completed on: 18	.04.2022	
10.	Reporting Date; 28.04.2	022	8	11. Discip	oline: Chemical	50000000000000000000000000000000000000	
12.	Sample Collected By: Mr. Shubham			13. Group	p: Atmospheric Pollution	on	
14.	Sampling Procedure: IS	Method		15. Produ	uct: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: Sealed √ Thimble: Packed √ Bladder: Clamped			Bladder: Clamped	
17.	Sample Received Date:		2000	- TOP-1-107-1-1	We standard over in the	in sales were wanted as-	
=='	/X		ST	ACK DETA	<u>ils</u>		
S.No.	<u>Parameters</u>	Unit (SI)		Description			
1.	Source		:	Phosphori	c Acid Plant		
2.	Height	m	:	35			
3.	Diameter	mm	:	350			
4.	Temperature	°C	:	42			
5.	Velocity	m/s	2				
6.	Type of fuel used	5,000,110	:	N.A			
7.	Quantity of fuel used		1	N.A		4	
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1,	HCL	mg/Nm ³		7.61	20	APHA 23 rd Edition: 4500 - Cl C	
2.	HF	mg/Nm ³		N.D.	6	IS 11255 (Part 5): 1990	
Rema	rk : N.D Not Detect	ed.					
	orized By -	2011					

Name: Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

TEST REPORT FORMAT - STACK					
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03,2021	Issue Date: 01-01-2015	Revision Date: 01.83.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/20

SAMPLE DETAILS

Qualitity of fuel used		+:	N.M.	Specification/	T	
Curetiles of fool model			N A			
		:				
Velocity	m/s	1	33131			
Temperature	PC PC	1				
Diameter	mm	1	Les:			
Height	m	:	6			
Source		3	Calcium Chlo	oride Plant		
Parameters	Unit (SI)			Description		
	_	SI	ACK DETAILS	2	100	
Sample Received Date: 1						
Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed √	Bladder: Clamped	
Sampling Procedure: IS I	Method	13	15. Product: Stack Emission			
Sample Collected By: Mr. Shubham				Section 1 and 1 an	on	
Reporting Date: 28.04.20	022		Discipling	ne: Chemical		
Analysis commenced on: 18.04.2022		113	9. Analysis	Completed on: 18	.04.2022	
		13	- 1 V - 1 V			
		13	THE RESERVE TO STATE OF THE PARTY OF THE PAR	THE RESERVE OF THE PARTY OF THE		
Sample ID: 2147888245	- 109AP22SE01		3. Client R	Client Representative: Mr. Vikas Valand		
	Sample Date: 16.04.202. Sampling Time: 10:30 hr Analysis commenced on: Reporting Date: 28.04.20 Sample Collected By: Mr. Sampling Procedure: IS to Description of Sample: Sample Received Date: 1 Parameters Source Height Diameter Temperature:	Sample ID: 2147888245 – 109AP22SE01 Sample Date: 16.04.2022 Sampling Time: 10:30 hr Analysis commenced on: 18.04.2022 Reporting Date: 28.04.2022 Sample Collected By: Mr. Shubham Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 18.04.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used	Sample ID: 2147888245 - 109AP22SE01 Sample Date: 16.04.2022 Sampling Time: 10:30 hr Analysis commenced on: 18.04.2022 Reporting Date: 28.04.2022 Sample Collected By: Mr. Shubham Sampling Procedure: IS Method Description of Sample: Sampling Bottles: S Sample Received Date: 18.04.2022 ST/ Parameters Unit (SI) Source : Height m : Diameter mm : Temperature #c : Velocity m/s : Type of fuel used :	Sample ID: 2147888245 - 109AP22SE01 3. Client R Sample Date: 16.04.2022 5. Sampling Sampling Time: 10:30 hr 7. Sampling Analysis commenced on: 18.04.2022 9. Analysis Reporting Date: 28.04.2022 11. Discipling Sample Collected By: Mr. Shubham 13. Group: Sampling Procedure: IS Method 15. Product Description of Sample: Sampling Bottles: Sealed √ Sample Received Date: 18.04.2022 STACK DETAIL: Parameters Unit (SI) Source ; Calcium Chlor Height m Diameter mm Temperature °c Velocity m/s Type of fuel used ; N.A.	Sample ID: 2147888245 − 109AP22SE01 3. Client Representative: Mr.V Sample Date: 16.04.2022 5. Sampling Location: Calcium Sampling Time: 10:30 hr 7. Sampling Duration: 20 Mins Analysis commenced on: 18.04.2022 9. Analysis Completed on: 18 Reporting Date: 28.04.2022 11. Discipline: Chemical Sample Collected By: Mr. Shubham 13. Group: Atmospheric Pollutic Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: 18.04.2022 Parameters Unit (SI) Description Chloride Plant	

NOTE:

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/21

SAMPLE DETAILS

S.	Parameters	Unit (SI)		Results	SPCB Norms/ BIS Standards	Method Used
7.	Quantity of fuel used	50050A5588	1		Specification/	10027100 1 1 E GOV 1 1 1 2 1
6.	Type of fuel used		1	N.A		
5,	Velocity	m/s	:			
4.	Temperature	30	1	39		
3.	Diameter	mm	1:	-0.00 to 0.00		
2.	Height	m	1	35		
1.	Source	TriAss	3		d Paraffin Plant	
S.No.		Unit (SI)				ption
			L	TOR DETINE	18:	
17.	Sample Received Date:		ST	ACK DETAI	S	
16,	Description of Sample:	The Late of the Country of the Count	s: S	ealed V	Thimble:Packed	Bladder: Clamped
14.	Sampling Procedure: IS		-		ct: Stack Emission	T
12.	Sample Collected By: Mr	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I		CONTRACTOR OF THE PERSON OF TH	: Atmospheric Polluti	on
10.	Reporting Date: 28.04.2		-	-	line: Chemical	818
8.	Analysis commenced on: 18.04.2022				is Completed on: 18	8.04.2022
6,	Sampling Time: 12:20 h	Sampling Time: 12:20 hr		Sample	ing Duration: 15 Min	5
4.	Sample Date: 16.04.202	2		5. Sampl	ing Location: Chlorina	ated Paraffin Plant
2.	Sample ID: 2147888246 - 109AP22SE07			3. Client	Representative: Mr.\	/ikas Valand
1,	Name & Address of Clier "Caustic Plant-Vilayat" Pl Pin code-392140.					ayat Taluka-Vagra.Gujarat.

Authorized by

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples
are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	
DDC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/22

SAMPLE DETAILS

	NAME OF TAXABLE PARTY.		200	IL PE DE LA	alliac			
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					ayat Taluka-Vagra,Gujarat.		
2.	Sample ID: 2147888246 - 109AP22SE10			3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 16.04.202	2	3	5. Samp	ling Location: Alumin	ium Chloride Plant		
6.	Sampling Time: 13:00 hr			7. Samp	ling Duration: 15 Min	s		
8.	Analysis commenced on: 18.04,2022			9. Analy	sis Completed on : 18	3.04.2022		
10.	Reporting Date: 28.04.2022			11. Discip	oline: Chemical			
12.	Sample Collected By: Mr	. Shubham		13. Group	: Atmospheric Polluti	on		
14.	Sampling Procedure: IS	Method		Produ	ict: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date:							
			ST	ACK DETAI	LS			
S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption		
1.	Source		1	Aluminiu	Aluminium Chloride Plant			
2,	Height	m	2	35				
3.	Diameter	mm	1	350				
4.	Temperature	°C		39				
5.	Velocity	m/s	1					
6.	Type of fuel used	- 1000		N.A				
7.	Quantity of fuel used		:	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HQ.	mg/Nm³	100	3.23	20	APHA 23rd Edition: 4500 - Cl C		
Rema	rk: oca	1/1	1			#		
Autho	orized By -							

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	Lance Control Control
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/23

SAMPLE DETAILS

		-		IPLE DET	and the same of th		
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.					layat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2147888246	- 109AP22SE11	13	3. Clie	Client Representative: Mr.Vikas Valand		
4.	Sample Date: 16.04.2022			5. San	pling Location: Stable	Bleaching Powder Plant	
6.	Sampling Time: 12:40 hr		1	7. San	poling Duration: 15 Min	15	
8.	Analysis commenced on: 18.04.2022			9. Ana	lysis Completed on: 1	8.04.2022	
10.	Reporting Date: 28.04.2022			11. Disc	opline: Chemical		
12.	Sample Collected By: Mr	. Shubham		13. Gro	up: Atmospheric Pollut	tion	
14.	Sampling Procedure: IS	Method	18	15. Product: Stack Emission		40	
16.	Description of Sample:	Sampling Bottle	s: S	Sealed √	Thimble: Packed	Bladder: Clamped	
17.	Sample Received Date:	18.04.2022	1909-03	STREET, SAL		4022	
	CAY/		ST	ACK DET	ILS		
S.No.	Parameters	Unit (SI)			Descr	ription	
1.	Source		:	Stable E	Bleaching Powder Pl	ant	
2.	Height	m	:	35	35		
3.	Diameter	mm		200			
4.	Temperature	°c	1	46			
5.	Velocity	m/s	:				
6.	Type of fuel used		:	N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL	mg/Nm³	;	6.05	20	APHA 23rd Edition: 4500 - Cl C	
Rema	ark:						
Autho	orized By -						
	: Bhayisha Pandya			Desic	nation : Sr. Chemis	t	

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/24

SAMPLE DETAILS

	Name & Address of Clien	it: M/s. Grasim Inc	dus		nemical Division.	ayat Taluka-Vagra.Gujarat,	
	Pin code-392140.	oc No 1,GLDC VIId	yat	aridusti idi La	idate, de la laco i, i o vili	ayor raided vagin adjaraci	
2.	Sample ID: 2147888246 - 109AP22SE12			Client	Representative: Mr.\	/ikas Valand	
4.	Sample Date: 16.04.2022			110-200-200	ing Location: Poly Alu wder Plant)	minium Chloride Plant	
6.	Sampling Time: 13:00 hr			7. Sampl	ing Duration: 15 Min	s	
8.	Analysis commenced on: 18.04.2022			9. Analys	is Completed on: 18	3.04.2022	
10.	Reporting Date: 28.04.2022			11. Discip	line: Chemical		
12.	Sample Collected By: Mr	. Shubham			: Atmospheric Polluti	on	
14.	Sampling Procedure: IS	Method	1 3	Produ	d: Stack Emission		
16.	Description of Sample:	Sampling Bottle	5: S	iealed √	Thimble:Packed	Bladder: Clamped	
	Sample Received Date:	THE RESIDENCE OF THE PARTY OF T			72		
		1	ST	ACK DETAIL	<u>.s</u>		
S.No.	Parameters	Unit (SI)			Descr	iption	
1.	Source		:	Poly Alumi	nium Chloride Plant	(Old Powder Plant)	
2.	Height	m	1:	35			
3.	Diameter	mm	**	350			
4.	Temperature	°c	:	39			
5.	Velocity	m/s	:				
6.	Type of fuel used		1:	N.A			
7.	Quantity of fuel used		:	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL	mg/Nm ²	1	5.38	20	APHA 23rd Edition: 4500 - CI C	
Rema	rk:		0.0		W		
Autho	rized By -						
Name	: Bhavisha Pandya		0000	Design	Designation : Sr. Chemist		

Note: 1) Reports may

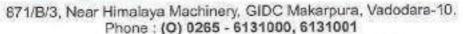
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are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/25

CAMPLE DETAILS

		<u>s</u>	AMPLE	DETA	ILS	
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.			NO. 500 BL 199		ayat Taluka-Vagra.Gujarat.
2.	Sample ID: 2147888246 - 109AP22SE13		3.	Client	Representative: Mr.V	/ikas Valand
4.	Sample Date: 16.04.2022		5.	Sampling Location: Poly Aluminium Chloride Plant (New Powder Plant)		minium Chloride Plant
6.	Sampling Time: 13:20 h	r	7.	Samp	ling Duration: 15 Min	S
8.	Analysis commenced on: 18.04.2022		9.	Analysis Completed on: 18.04.2022		
10.	Reporting Date: 28.04.2022		11.	Discipline: Chemical		
12.	Sample Collected By: Mr. Shubham			Group: Atmospheric Pollution		
14.	Sampling Procedure: IS	Method	15.	Product: Stack Emission		
16.	Description of Sample:	Sampling Bottles	: Seale	d√	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date:	18.04.2022				
		3	STACK	DETAI	LS	
S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption
1.	Source		; Pol	y Alum	inium Chloride Plant	(New Powder Plant)
100	N PURSON NOTICE			53 - H. C. C. C.		

S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption
1.	Source			Poly Alumini	um Chloride Plant	(New Powder Plant)
2.	Height	m	:	35		(0)-010-6010-6010-1-92
3.	Diameter	mm	1.3	350		
4.	Temperature	°C	:	41		
5.	Velocity	m/s	:	•		
5.	Type of fuel used	F1.707/	2	N.A		
7.	Quantity of fuel used		1:	N.A		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HO.	mg/Nm³		2.17	20	APHA 23 rd Edition: 4500 - Ci C

Remark:

Authorized By -Name: Bhavisha Pandya

Designation : Sr. Chemist

NOTE: 1)

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	
DOC. NO.; LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/26

SAMPLE DETAILS

1,	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					ayat Taluka-Vagra.Gujarat,		
2.	Sample ID: 2147888246	46 - 109AP22SE14 3.		3. Client	. Client Representative: Mr.Vikas Valand			
4.	Sample Date: 16.04.2022		5. Samp					
6.	Sampling Time: 13:20 hr			7. Samp	ling Duration: 15 Min	5		
8.	Analysis commenced on: 18.04.2022			9. Analy	sis Completed on: 18	3.04.2022		
10.	Reporting Date: 28.04.2022			11. Discip	line: Chemical	NAME OF THE OWNER		
12,	Sample Collected By: Mr	ple Collected By: Mr. Shubham		13. Group	: Atmospheric Pollut	ion		
14.	Sampling Procedure: IS	Method		15. Product: Stack Emission				
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed v	Bladder: Clamped		
17.	Sample Received Date:	18.04.2022		***************************************		1111-1111-1111-11-		
teat (ST	ACK DETAI	LS			
S.No.	<u>Parameters</u>	Unit (SI)			Descr	ption		
1.	Source		3	Poly Alum	ninium Chloride Pla	int (Liquid Plant)		
2.	Height	m	1	35				
3.	Diameter	mm	1	350				
4.	Temperature	°C	0	40				
5.	Velocity	m/s	4	-				
6.	Type of fuel used			N.A				
7.	Quantity of fuel used		1	N.A		10		
<u>S.</u> <u>No.</u>	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³		1,08	20	APHA 23 rd Edition: 4500 - CI C		
Rema		A	Ú		-V	M		
Autho	orized By -			-06				
	: Bhavisha Pandya		u-110	Design	Designation : Sr. Chemist			

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

 END OF REPORT-------

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DDC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03,2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.; APR22/109/02 (ULR-TC709922000008117F)

SAMPLE DETAILS

					DETAI			
1.	"Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.							
2.	Sample ID: 2147888246 -	109AP22SE02		3.	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 16.04.2022			5.	Sampli	ing Location: D.G.Set -	1	
6.	Sampling Time: 10:35 hr			7.	Sampli	ing Duration: 20 Mins		
8.	Analysis commenced on: 1	8.04.2022		9.	Analys	is Completed on: 18.0	4.2022	
10.	Reporting Date: 28.04.202	2		11.	Discipl	ine: Chemical		
12.	Sample Collected By: Mr. S	Carlo Brown and Carlo Brown an		13.	Group	Atmospheric Pollution		
14.	Sampling Procedure: IS Me			15.	Produc	t: Stack Emission		
16.	Description of Sample: 9	Sampling Bottle	s: S	Sealed	√ V	Thimble: Packed √	Bladder: Clamped	
17.	Sample Received Date: 18.	THE TAX POST OF THE PARTY OF TH						
			SI	ACK	DETAIL	S		
S.No.	Parameters	Unit (SI)		Description			ion	
1.	Source		1	D.G	Set -	1		
2.	Height	m	32	36	1015-548			
3.	Diameter	mm	:	450				
4.	Temperature	°c	2	115				
5.	Velocity	m/s	1	6.1				
6.	Type of fuel used	10000	13	HSD)			
7.	Quantity of fuel used	lit/hr	1	600			yi	
S. No.	Parameters	Unit (SI)			lesults	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Particulate Matter	mg/Nm ³	1		53	150	IS 11255 (Part 1): 1985	
2,	Sulphur Dioxide(SO ₂)	ppm	:		16.48	100	IS 11255 (Part 2): 1985	
3.	Oxides of Nitrogen (NOx)	ppm	13		12.31	50	IS 5182 (Part 6) :2006	
Rema	irk:	10		10		100		
0.0000000000000000000000000000000000000	orized By -			-				
- Indiana and American	· Bhavisha Pandya			1)esigna	tion : Sr. Chemist		

Name: Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	0.0000000000000000000000000000000000000
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/03 (ULR- TC709922000008118F)

SAMPLE DETAILS

			-	IPLE DE IAL	The state of the s			
1.	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat. Pin code-392140.							
2.	Sample ID: 2147888246 -	- 109AP22SE03		Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 16.04.2022			Sampli	Sampling Location: D.G.Set - 2			
6.	Sampling Time: 19:00 hr			The second second second	ng Duration: 30 Mins			
8.	Analysis commenced on: 18.04.2022			A property of the second	is Completed on: 18.0	4.2022		
10.	Reporting Date: 28.04.2022			Discipli	ine: Chemical			
12.	Sample Collected By: Mr.		_	The second secon	Atmospheric Pollution			
14.	Sampling Procedure: IS M	lethod		Produc	t: Stack Emission	7-2		
16.	Description of Sample:	Sampling Bottle	s: S	sealed √	aled √ Thimble: Packed √ Bladder: Clamped			
17.	Sample Received Date: 18	8.04.2022						
		3	ST	ACK DETAIL	S			
S.No.	Parameters	Unit (SI)			Description			
1.	Source		3	D.G.Set - :	D.G.Set - 2			
2.	Height	m	10	36				
3.	Diameter	mm	:	450				
4.	Temperature	°c	:	109				
5.	Velocity	m/s	:	6.12				
6.	Type of fuel used		1:	HSD				
7.	Quantity of fuel used	lit/hr	:	600	-	02		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	1	33	150	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	ppm	1	13.52	100	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx) ppm	:	8.02	50	IS 5182 (Part 6) :2006		
Rema	rk: O.P.							
Autho	orized By -			.VJ				
Name	: Bhavisha Pandya			Designa	tion : Sr. Chemist	0/10/01/01/01/01/01		

Name : Bhavisha Pandya NOTE: 1) Reports may

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
fective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.; APR22/109/04 (ULR-TC709922000008119F)

SAMPLE DETAILS

1.	Name & Address of Client:	M/s. Grasim In	dust	tries Ltd.,- (Chemical Division.	SHIPP THAT I SAN TO STUDENT A SHIPP IN		
	"Caustic Plant-Vilayat" Plot Pin code-392140.	No 1,GIDC Vila	yat	Industrial E	state,Bharuch,PO-Villay	at Taluka-Vagra.Gujarat.		
2.	Sample ID: 2147888246 -	109AP22SE04	13	Client Representative: Mr.Vik		s Valand		
4.	Sample Date: 16.04.2022		100	5. Samp	Sampling Location: D.G.Set - 3			
6.	Sampling Time: 11:30 hr			7. Samp	ling Duration: 20 Mins			
8.	Analysis commenced on: 1	8.04.2022	13	9. Analy	sis Completed on: 18.0	4.2022		
10.	Reporting Date: 28.04,202	2	3	11. Discip	oline: Chemical			
12.	Sample Collected By: Mr. S	hubham	13	13. Grou	: Atmospheric Pollution			
14.	Sampling Procedure: IS Me	ethod	13	Produ	act: Stack Emission	The control of the co		
16.	Description of Sample: 9	Sampling Bottle	s: S	ealed √	Thimble: Packed √	Bladder: Clamped		
17.	Sample Received Date: 18.	04.2022	87.75		-///			
			STA	ACK DETAI	<u>LS</u>			
S.No.	Parameters	Unit (SI)		Description				
1.	Source		:	D.G.Set -	3			
2.	Height	m	3	36	7%			
3.	Diameter	mm	:	450				
4.	Temperature	°C	:	135				
5.	Velocity	m/s	:	6.05				
6.	Type of fuel used	80000	:	HSD				
7.	Quantity of fuel used	lit/hr	13	600		10 To		
<u>5.</u> <u>No.</u>	Parameters	Unit (SI)		Results	Specification / SPCB Norms / BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	1	47	150	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	ppm	33	18.93	100	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	ppm	1	4.23	50	IS 5182 (Part 6) :2006		
Rema	The second secon		Local	1380.00	1000			
1000	orized By -			100000000000000000000000000000000000000	START ASSESSMENT VALUE			
	: Bhavisha Pandya			Design	ation : Sr. Chemist			

NOTE:

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The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/05 (ULR- TC709922000008120F)

SAMPLE DETAILS

1.	Name & Address of Client: 1 "Caustic Plant-Vilayat" Plot code-392140.	M/s. Grasim In No 1,GIDC Vila	dus ryat	ustries Ltd.,- Chemical Division. at Industrial Estate,Bharuch,PÓ-Villayat Taluka-Vagra.Gujarat.P				
2.	Sample ID: 2147888246 - 109AP22SE05			3. Clien	 Client Representative: Mr.Vikas Valand 			
4.	Sample Date: 16.04.2022			5. Sam	pling Location: D.G.Set - 4			
6.	Sampling Time: 11:00 hr			7. Sam	pling Duration: 20 Mins			
8.	Analysis commenced on: 18	1.04.2022		9. Anal	ysis Completed on: 18.04.3	2022		
10.	Reporting Date: 28.04.2022			11. Disci	pline: Chemical			
12,	Sample Collected By: Mr. Sh	nubham		13. Grou	p: Atmospheric Pollution			
14.	Sampling Procedure: IS Met	thod		Prod	uct: Stack Emission	V		
16.	Description of Sample: S	ampling Bottle	s: 5	ealed V	Thimble: Packed √	Bladder: Clamped		
17.	Sample Received Date: 18.	04.2022						
			ST	ACK DETA	ILS			
S.No.	Parameters	Unit (SI)			Description			
1.	Source			D.G.Set -	D.G.Set - 4			
2.	Height	m	:	11				
-2	Diameter	mm	:	450	000			
3.								
4.	Temperature	°C	1	120				
		°c m/s	:	120 6.2				
4.	Temperature		:					
4. 5.	Temperature Velocity		: : :	6.2				
4. 5. 6.	Temperature Velocity Type of fuel used	m/s	:: :: ::	6.2 HSD	Specification/ SPCB Norms/ BIS Standards	Method Used		
4. 5. 6. 7.	Temperature Velocity Type of fuel used Quantity of fuel used	m/s lit/hr		6.2 HSD 600	SPCB Norms/	Method Used IS 11255 (Part 1):		
4. 5. 6. 7. \$. No.	Temperature Velocity Type of fuel used Quantity of fuel used Parameters	m/s lit/hr Unit (SI)		6.2 HSD 600 Results	SPCB Norms/ BIS Standards			

Authorized By -

Name: Bhavisha Pandya

Designation : Sr. Chemist

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3) The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: APR22/109/06 (ULR- TC709922000008121F)

			SAP	1PLE	DETAIL!	2				
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.						at Taluka-Vagra.Gujarat,			
2.	Sample ID: 2147888246 - 109AP22SE06			3.	. Client Representative: Mr.Vikas Valand					
4.	Sample Date: 16.04.2022			5.	Samplin	g Location: D.G.Set -	5			
6.	Sampling Time: 11:55 hr			7.	Samplin	g Duration: 20 Mins	10:			
8.	Analysis commenced on: 1	8.04.2022	13	9.	Analysis	Completed on: 18.0	4.2022			
10.	Reporting Date: 28.04.2022	2		11.	Disciplin	e: Chemical				
12.	Sample Collected By: Mr. S	hubham	T	13.	Group: A	Atmospheric Pollution				
14.	Sampling Procedure: IS Me	thod		15,	Product:	Stack Emission				
16.	Description of Sample: S	ampling Bottle	s: S	ealed	V	Thimble:Packed √	Bladder: Clamped			
17.	Sample Received Date: 18.	04.2022	-	0.100000		·	ALL SHOOTHOUSENPINEOUS			
(4) L		VANCESTON V	ST	ACK D	ETAILS	§				
S.No.	<u>Parameters</u>	Unit (SI)	П		Description					
1.	Source		;	D.G.	D.G.Set - 5					
2.	Height	m		11						
3.	Diameter	mm	:	450						
4.	Temperature	°C	:	125						
г.	Velocity	m/s	:	6.0			70.00			
5.					COOK III					
6.	Type of fuel used		1	HSD						
	Type of fuel used Quantity of fuel used	lit/hr	:	HSD 600						
6.		lit/hr Unit (SI)		600	suits	Specification/ SPCB Norms/ BIS Standards	Method Used			
6. 7.	Quantity of fuel used	500,5000		600 Re	suits 38	SPCB Norms/	-			
6. 7. <u>5.</u> No.	Quantity of fuel used Parameters	Unit (SI)		600 Re		SPCB Norms/ BIS Standards	Method Used IS 11255 (Part 1): 1985 IS 11255 (Part 2): 1985			

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO : MAY22/120/27 (ULR-TC709922000010557F)

SAMPLE DETAILS

			SHIPLE	-				
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Ind. No 1,GIDC Vilayi	astries Ltd.,- C at Industrial E	state, v	nanuch, ru-villayer resons	Vagra Gujarat.Pin code-		
	ample ID: 2147888246 - 120MY22AQ01			3.	 Client Representative: Mr. Vikes Valand 			
				5.	Sampling Location: Nr. Aluminum Plant			
	Sampling Date: 19.05.2022			7.	Sampling Duration: 24 Hrs.			
	Sampling time: 11:15 hr				Analysis Completed on			
8.	Analysis commenced on: 24.05.2022			100				
	Reporting Date: 02.06.2			11.	Discipline: Chemical			
12.		. Vimal Chauha	sn n	13.	Group, Atmospheric Pollu	Gon		
14	Sampling Procedure: 15 M	ethod	- DE - 114	15.	Product: Ambient Alr	The same of the sa		
	Description of Sample:	Sampling 8	Sottles: Sealed	√	Filter Paper: Packed v	Bladder: Clamped √		
Sec.	Control of the Contro	Temp: Normal	Humidity: Medium		Wind speed: Smooth	Cloud opyer. Clear sky		
17.	7 Environment Continues		- 1000 to 1000 to 1000	Wind blowing front: -		Station category: Industri		
	Rain: No Rain	A STATE OF THE PARTY OF THE PAR	ME STORY	-	DW/HCDS/METTAIL/SUBJECT	-A		
18.	Sample Received Date:	24.05,2022		-				

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
-	222	ug/m³	1	49	100	IS 5182 (Part 23.): 2006
1.	PMni	μg./m ³		19	60	Guidelines By CPCB(Vol-1)
2/	PM or		1	9:64	80.	IS 5182 (Part 2) : 2001
3.	Sulphur Dronde (50s)	μg /m ²	11		The second secon	15 5182 (Part 6) : 2006
-	Oxides of Nitrogen (NOx)	ug/m ¹	131	18,10	80	
7	April 1	μg /m²	130	2.66	190	IS 5182[Part 19]: 1982
5.	Ola	The state of the s	10	1.84	400	Guidelines By CPCB(Vol-1)
6.	Ammenia (NHs.)	µg /m³	12	The second second	500	15 S182 (Part 7): 1973
7.	HoS	µg /m³	133	N.O.	300	THE PROPERTY OF STREET

Remark: N.D. - Nor Detected.

Authorized By Name : Bhavisha Pjindya

Designation : Sr. Chemist

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample logitufied under Sample Datalis.

	TEST REPORT FORMAT - AMBIEN	(T
	Issue No.: 02	Revision No.: 03
DOC: NO.: LAB-FMT-051	I CONTRACTOR OF THE PROPERTY O	Revision Date: 01.03.2021
Directive Date: 01.03.20ZI	Issue Date: 01-01-2015	Revision Date: 01.03.2021 Pa



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/28 (ULR-TC709922000010538F)

SAMPLE DETAILS

I,	Name & Address of Client: Caustic Plant-Vilayat* Plot	Mys. Gracim Indi No 1,GIBC Vilay	ustrias Ltd., - C at Industrial E:	state, b	MSURCH'ERT-AMBROY LOINING	Vagra Gujarat.Pin code-		
	Sample ID: 2147888246 -			3.	Client Representative: Mr.	Viscas varano		
	Sampling Date: 19.05.2022			5.	sampling Location: Nr.PAC Plant			
				7.	Sampling Duration: 24 Hrs			
	Sampling time: 11:25 hr	A 2 45 1822		9.	Analysis Completed on : 24.05.2022			
	Analysis commenced or				100 miles (100 miles)			
10.	Reporting Date: 02.06,2	022		11.	Disopane, Glernes			
12.	Sample Collected By: M	r. Vimal Chauha	ann	13.	Group: Atmospheric Pollu			
14.	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air	W 00 10 10 10 10 10 10 10 10 10 10 10 10		
	Description of Sample:			V	Filter Paper: Packed v	Bladder: Clamped V		
		Temp: Normal	Humidity: Me		Wind speed: Smooth	Cloud cover: Clear sky		
17.	Environment Condition:			89.00	Wind blowing from:	Station category: Industria		
	Rain; No Rain	Wind Direction:	Op. wind		The transfer of	The start of the s		
18.	Sample Received Date:	24.05.2022						

TEST RESULTS

		-	to bearing	1.3.5		
S. No.	Parameters	unit (SI)		Resulta	Specification/ SPCB Norma/ BIS Standards	Method Used
-		μg /m³	13	57	100	IS 5182 (Part 23) : 2005
150	PMox		1	16	60	Guidelines By CPCB(Vol-1)
2.	PM 23	μg /m²	1.3	2000	80	IS 5182 (Part 2.) 1 2001
3.	Sulphur Dioxide (SO ₂)	jig /m³	3.1	7.67		IS 5182 (Part 6) : 2006
40	Oxides of Nibrogen (NO _Y)	ug/m³	1.1	16.43	80	
		µg /m²	(4)	1.37	100	IS 5182(Part 19): 1982
5.	Cl2	A Company of the Comp	100	2.45	400	Guidelines By CPCB(Vol-1)
5.	Ammonia (NHs.)	μg /m ³	100		900	IS 5182 (Part 7): 1973
7.	HiS	jig /m ³	1	N.D.	3.0	The District of Man Age (Man)
	The state of the s					

Remark: N.D. - Not Betected.

Name : Bhavisha Mandyo

Designation : Sr. Chemist

NOTE:

Authorized By -

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Re analysis of sample will be done, if requested within 2 days from the date of Recording of sample if the samples are not consumed ouring analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIEN	T
	Tissee No.: 02	Revision No.: 03
DOC: NO.: LAB-FMT-051	110000000000000000000000000000000000000	Revision Date: 01,03,2021
Effective Date: 01.03.2021	Histie Date: 01-01-2015	Page 1 o



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/29 (ULR-TC709922000010539F)

SAMPLE DETAILS

		THE RESIDENCE OF THE PARTY OF T	Jane, E	al Division. haruch,PO-Villayat Taluka-	Vagra.Gujarat.Pin code-		
ID- 2147888246 -	- 120MY22AQ03		3.	Client Representative: Mr.	VIKES VAIGHU		
			15.	Sampling Location: Nr.Me	in Gate		
ng Date: 20.05.202			7.	Sampling Duration: 24 Hrs			
ng time: 11:30 hr			9				
is commenced or	ed on: 24,05,2022			Analysis Completed on: 24.05.2022			
ting Date: 02.06.2	02.06.2022			Discipline: Chemical			
E. V. at al Day M	e Moved Charibo	ara.	13.	Group: Atmospheric Pollu	tion		
e Collected By: M	E. VIIII CHICON	41.	15.	Product: Ambient Alf			
ing Procedure: 15 M	eunou en europea l	Bottles: Scaled	V	Filter Paper: Packed v	Bladder: Clamped V		
ption of Sample:	and the second second second second	And the second second second second second		Wind speed: Smooth	Cloud cover: Clear sky		
inment Condition:	Temp: Normal		Juni	THE PROPERTY OF THE PARTY OF TH	Station category: Industria		
No Rain	Wind Direction:	Cross wind	Wind blowing from: - Stituon carety.		Alliana see a genta de la		
No F	tain	tain Wind Direction:	tain Wind Direction: Cross wind	tain Wind Direction: Cross wind	ent contactors Ward Howing from:		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ RTS Standards	Method Used
77.3	august -	ya /m²		45	100	15 S182 (Part 23) : 2006
L	PMix	The second secon	1	12	60	Guidelines By CPCB(Vol-1)
2.	PM is	μg /m²		The state of the s	90	IS 5182 (Part 2.) 1 2001
3.	Sulphur Dioxide (SO ₁)	ing /m²	136	0.50	1117	15 \$182 (Part 6) : 2005
	Oxides of Nitrogen (NOL)	ug /m²	1:1	15.66	83	The state of the s
-		ug/m³	1	2.21	100	IS 5182(Part 19): 1982
5.	CL	CONTRACTOR SECTIONS	0.0	3,48	400	Guidelines By CRCB(Vd-1)
6.	Ammoréa (NHs.)	μg /m ²	1353	Action Control of the	500	IS 5182 (Part 7): 1973
7.	HiS	jig /m²	1.5	N.D.	390	Les Same Activity 1

Remark: N.D. - Not Detected.

Authorized By

Name : Bhavisha Pandya

Designation : Sr. Chemist

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.
- The results reported above relate to the sample identified under Sample Details. END OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	IT
The second secon	Issue No.: 02	Revision No.: 03
DOC: NO:: LAB-FMT-051	1.0000000000000000000000000000000000000	Revision Date: 01.03.2021
Effective Date: 01.03.2021	Tssue Date: 01-01-2015	Pane



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/30 (ULR-TC709922000010540F)

SAMPLE DETAILS

L	Name & Address of Client; "Caustic Plant-Vilayat" Plot	M/s. Grasim Ind. No 1,GIDC Vilayi	et Industrial Es	Zute p	districtive constant research	Vagra Gujarat.Pin code-	
	Sample ID: 2147868246 -			3.	Client Representative: Mr.	VIKOS Valeriu	
				5.	Sampling Location: Nr. Ma	arketing Yard	
	Sampling Date: 20.05.2027				Sampling Duration: 24 Hrs		
6.	Sampling time: 11:40 hr			The second	Charles and the second		
8.	Analysis commenced on	on: 24.05.2022			Analysis Completed on : 24.05.2022		
10	Reporting Date: 02.06.2	2.06.2022			Discipline: Chemical		
	Reporting Date: 02:10:2	- March Charles	10	13.	Group: Atmospheric Pollution		
12.	Sample Collected By: M	nple Collected By: Mr. Vimal Chauhan		15.	Product: Ambient Air		
		Stron	and the second second	1000	Filter Paper: Packed V	Bladder: Clamped √	
15.	Description of Sample:		totiles: Scaled		Wind speed: Smooth	Cloud cover: Gear sky	
17	Environment Condition:	Temp: Normal	Humidity: Me	dum		Station category: Indiate	
500	Rain: No Rain	Wind Direction:	Up wind	Wind blowing from: - Station cates		Steeds caredory: monop o	
18	Sample Received Date:	24.05.2022					

TEST RESULTS

Parameters .	Unit (S1)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
45000	un ten3	-	60	100	15 5182 (Part 23) : 2006
	The second second	7	The second secon	60	Guidelines By OPCB(Vol-1)
	The state of the s	-	The second second	80	IS 5182 (Part 2) : 2001
		10	100 mm	The second second second	35 5182 (Part 6) : 2006
Doodes of Nibrogen (NOs)	hib (100)	13		The second second	is 5187(Part 19): 1982
Cla	ug /m³	3	1,33	The second secon	Guidelines By CPC8(Vol-1)
A CONTRACTOR OF THE PROPERTY O	ug/m³	33	2.98	400	
		13	16.00.	500	15 5192 (Part 7): 1973
	Parameters PM 24 Sulphur Dioxide (502) Oxides of Nibiogen (NOc) CI2 Ammonta (NHs)	PM ₁₀ μα /m ³ PM ₁₀ μα /m ³ Sulphur Dioxide (SO ₂) μg /m ³ Oxodes of Nitrogen (NO ₂) μg /m ³ CL ₂ μg /m ³ Ammonia (Nits) μg /m ³	PM _{(2.5} μα /m³ : 2M _{(2.5} μg /m³ : Sulphur Dioxide (5Oz) μg /m³ : Oxodes of Nitrogen (NO-) μg /m³ : CL ₂ μg /m³ : Ammonta (Ni-ts) μg /m³ :	Parameters Unit (S1) PMμ	Parameters Unit (SI) Results SPCB Norms! BIS Standards

Romark: N.D. - Nor Detected.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during snalysis.
- The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

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2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/31

SAMPLE DETAILS

			SAMPLED				
ı.	Name & Address of Client; "Caustic Plant-Vilayat" Plot	M/s. Grasim Indi No 1,GIDC Vilay	ustries Ltd.,- C at Industrial E	date, B	maruch, PO-Villayor, Telako:	Vagra.Gujarat.Pin code-	
	Sample ID: 2147888246 -	THE RESERVE AND ADDRESS OF THE PARTY OF THE		3.	Client Representative: Mr.	. Vikas Valand	
	Sampling Date: 19.05.2022			5.	Sampling Location: Nr. Aluminum Plant		
	Sampling time: 11:15 hr				Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 24.05,2022			9.	Analysis Completed on : 24.05.2022		
10.				11.	Discipline: Chemical		
	Reporting Date, 02.00.2	emple Collected By: Mr. Vimal Chauhan			Group: Atmospheric Poliution		
12	Sampling Procedure: IS Me	athod		15.	Product: Ambient Air		
16.	The second secon	Sampling	Bottles: Sealed	V	Filter Paper: Packed v	Bladder: Clamped V	
7.70		Temps Normal	Humidity: Mo		Wind speed: Smooth	Cloud cover, Clear sky	
17.	Rain: No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category, Industria	
18.	Sample Received Date:	24.05.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	SPCB Norms/ BIS Standards	Method Used
		ug /m1		792	5000	IS 5182(Part 10): 1999
L	00	The state of the s		4.71	200	APHA 2314 Edition 4500 CFC
2.	HCL	yg/m	1	127	- 0000	15 5182(Part 21): 2061
7	Hydrocarbon(HC) NMHC	μg /m³	1	N.D.	150	
de .		μg /m²	131	0.98	60	IS 5182 (Part 13): 1991
4.	HE	- I I I I I I I I I I I I I I I I I I I		N.D.	2000	IS 5182 (Part 20): 1982
5.	CS ₂	μg /m³	(3)	M,U,	4,000	The street of said and a

Remark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details -----END OF REPORT-----

	TEST REPORT FORMAT - AMBIE!	NT S	
	Issue No.: 02	Revision No.: 03	
DOC. NO.: LAB-FMT-051	Issue Date: 01-01-2015	Revision Date: 01.03.2021	

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/32

SAMPLE DETAILS

1.	Name & Address of Client: Caustic Plant-Vilayat" Plot	M/s. Grasim Ind No 1,GIDC Vilay	ustries Ltd.,- C at Industrial E	state, E	haruch, PO-vinayat Taluna	Vagra.Gujarat.Pin code-	
	Sample ID: 2147868246 -			3.	Olent Representative: Mr. Vikas Valand		
	Sampling Date: 19.05.2022			5.	Sampling Location: Nr.PAC Plent		
	Sampling time: 11:25 hr				Sampling Duration; 24 Hrs		
		sis commenced on: 24.05.2022			Analysis Completed on: 24.05.2022		
10.	Reporting Date: 02.06.2	06 2022			Discipline: Chemical		
12.	Sample Collected By: M	r. Vimal Chaub	an	13.			
14	Sampling Procedure: 15 M	gthod	-	15.	Product; Ambient Air		
	Description of Sample:	Sampling	Bottles: Sealed	14	Filter Paper: Packed v	Bladder: Clamped V	
17	Environment Condition:	Temp: Normat	Humidity: No		Wind speed: Smooth	Cloud cover: Oper Sit/	
10	Ratn; No Sain	Wind Directions	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	24.05.2022					

TEST RESULTS

Es. No.	Perameters	Unit (SI)		Results	Specification/ SPCR Norms/ BIS Standards	Method Used
2000	0.000	μα/m [†]	126	652	5000	IS 5182(Part 10): 1999
4	00	The second secon	100	3.85	200	APHA 23rd Edition 4500 CHC
2,	HQ.	yg/m²	100	17.7		15 5182(Part 21): 2001
1	Hydrocarbon(HC) NMHC	µg./m³	31	N.D.	160	
1	HF	ug /m²	1	0.70	60	15 5182 (Part 13), 1991
31	100	pg/m)	17	N.D.	2000	IS 5182 (Part 20): 1982
5.	CSi	169.3.00	1.11			

Authorized By -Name : Bhavisha Pandya

Designation : 5r. Chemist

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are not consumed during analysis. The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIES	NT.
THE STATE OF THE PARTY OF THE	Issue No.: 02	Revision No.: 03
DOC. NO.: LAB-FWT-051	Issue Dotc. 01 01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/33

SAMPLE DETAILS

1	Name & Address of Client: Caustic Plant-Wayat* Plot	M/s. Grasim Indi No 1,GIDC Vilay	ustries Ltd.,- C at Industrial E	State, B	haruch,PO-Villayat Taluka-	Vagra.Gujarat.Pin code-	
	Sample ID: 2147888246 -		3.	3. Client Representative: Mr. Vikas Valand			
	Sampling Date: 20.05.2022			5.	Sampling Location: Nr.Main Gate		
	Sampling time: 11:30 hr			7,	Sampling Duration: 24 Hrs		
		mmenced on: 24.05,2022			Analysis Completed on : 24.05.2022		
10,	Reporting Date: 02.06.2	06.2022			Discipline: Chemical		
17.	Sample Collected By: Mi	r. Vimal Chauh	an	13.			
14	Sampling Procedure: 1S M	ethod		15.	Product: Ambient Air		
	Description of Sample:	Sampling I	Bottles: Sealed	5 V	Filter Paper: Packed V	Bladder: Clampet v	
17	Environment Condition:	Temp: Normal	Humidity: Me		Wind speed; Smooth	Cloud cover: Clear Sky	
14.	Rain: No Kalin	Wind Direction:	Cross wind		Wind blowing from: -	Station category: Industria	
18.	Sample Received Date:	24.05.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
	10000	- usa /m²	101	031	5000	15 5182(Part 10): 1999
34	00	ng /m²	101	4.93	200	APHA 23rd Edition 4500 CI-C
2	HO.	The second second second second		100000000000000000000000000000000000000	160	35 5182(Part 21): 2001
3.	Hydrocarbon(HC) NMHC	μg /m³	E	N.D.		
1	HF	μg /m²	1.5	1.22	60	IS 5182 (Part 13): 1991
1	1752	pg /m²	100	N.D.	2000	IS 5182 (Part 20): 1982
5.	CS:	PG THE	1.0	100400		The same and the s

Remark: N.D. - Not Detected.

Authorized By -

Nume : Bhavisha Pandya

Designation : Sr. Chamist

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are not concurred during analysis. The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIEL	VT	
AND THE RES	Issue No.: 02	Revision No.3 03	
DOC, NO.: LAB-FMT-051		Revesion Date: 01.03.2021	
Effective Date: 01.03.2021	Issue Date: 01 01 2015	Page	

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: MAY22/120/34

SAMPLE DETAILS

	Name & Address of Client: "Caustic Plant-Vilayat" Plot 392140.	M/s. Grasim Indi No 1,GIDC Vilay	ustries Ltd.,- O at Industrial Es	tate,B	haruch,PO-Villayat Taluka-		
2.	Sample ID: 2147888245 -	120MY22AQ04		3.			
	Sampling Date: 20.05.2022			5.	Sampling Location: Nr. Marketing Yard		
	Sampling time: 11:40 hr				Sompling Duration: 24 Hrs		
	Analysis commenced on: 24.05.2022				Analysis Completed on : 24.05.2022		
10.					Discipline: Chemical		
12.	Sample Collected By: Mr	Vimal Chauba	an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS Me	ethod	200	15.	Product: Ambient Air	420000 10000	
16.		Sampling 5	Rottles: Sonled	4	Filter Paper: Packed v	Bladder: Clamped v	
		Temp: Normal	and the second second		Wind speed; Smooth	Cloud cover; Clear sky	
17.		Wind Directions	THE PROPERTY OF THE PARTY OF TH	HT29905 .	Wind blowing from: -	Station category: Industrial	
	Rain: No Rain Sample Received Date:	THE RESERVE OF THE PARTY OF THE	OP THE	-			

TEST RESULTS

5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1000		ag /m ³	1	702	5000	IS 5182(Part 10): 1999
Sec.	00	ag /m²		4.28	200	APHA 23" Edition 4500 CI-C
2.	HCL	100000000000000000000000000000000000000	100		160	15 5182(Part 21): 2001
3.	Hydrocarbon(HC) NMHC	/10 /m²	13	M.D.	123.17	
-	Hr	µg /m³ /		0.63	60	IS 5182 (Part 13): 1991
3.	1000	A STATE OF THE PARTY OF THE PAR	100	N.D.	2000	(S 5182 (Part 20): 1982
5	(CS)	μg /m²	13.5	111100		- The State of the

Remark: N.D. - Not Detected.

Authorized By - (AU)

Name : Chovisho Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relete to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	NT TR
TA AND LANGUAGE	Issue No.: 02	Revision No.: 03
DOC, NO.: LAB-FMT-051 Fective Date: 01.03.2021	Sauce Date: 01 01 2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: MAY22/120/41

1	Library & Addrone of Client: M/s. Grasim India	aries Li	rial Estate, Bharuch, PC-Villayat Taluxa-Vagra Gujarat.
2.	Sample ID: 2147888245 - 120MY22HW01	3,	Client Representative: Mr. Vikas Valand
4.	Sample Date: 19.05.2022	5.	Sampling location: Brine Sludge
6.	Analysis commenced on: 21.05.2022	7.	Analysis Completed on: 02.06.2022
8.	Reporting Date: 02.06.2022	9,	Sample Collected By: Mr. Vimal Chauhan
10.	Physical Status: Solid	11.	Discipline: Chemical
12.	Sample Category: -	13.	Group: Pollution and Environment
14.	Colour, Brown	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in	polythe	ene bags. V
17.	Sample Received Date: 21.05.2022		21620043

TEST RESULTS

5.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
162	eld		7.04	N.A.	APHA 23rd Edition 4500-H1-B
2.	pH % Moisture Contents	No. 1	33.15	N.A.	APHA 23" Edition 2540 C
3.	COD	gm/kg	1.23	N.A.	APHA 23rd Edition 5220 B
4.	Cyanide	gm/ků :	N.D.	N.A.	APHA: 23th Edition 4500 CN: E
	Chromium	gm/kg :	<0.0002	N,A.	APHA 23 rd Edition 3500 Cr - B
5.	THE PARTY OF THE P	gm/kg	< 0.0006	N.A.	APHA 23™ Edition 3111 B
7.	Copper	gm/kg	<0.0004	N.A.	APHA 23 rd Edition 3111 B
200	Nickel	gm/leg	<0.0004	N.A.	APHA 23" Edition 3111 B
B.,	77.0780112	gm/kg	< 0.0006	N.A.	APHA 23rd Edition 3111 B
9.	Zinc	%	17.68	N.A.	APHA 23" Edition 2540 C
10.	Total Inorganic Solids	gm/kg	3.6	N.A.	APHA 23rd Edition 2320 B
11.	Total Alkalinity as CaCo3 Phosphate	gm/kg	N.D.	N.A.	APHA 23 rd Edition 4500 P - C

Remark: 5 % leachate solution prepared in DM Water W/v. / N.D. - Not Detected.
Authorised By -

Designation : Sr.Chomist

NOTE:

- Name : Bhavisha Pandya
 - Reports may be reproduced, if required, but only in full and only with written appropriat the laboratory. Be analysis of sample will be done, if required within 2 days from the date of Reporting of cample if the samples are not consumed. during analysis:
 - The results reported above make to the semple Identified under Strople Defails.

 END OF REPORT

TEST REPORT FORMAT - SOLID WAST	E		
Issae No.: 02	Revision No.: 03		
Tissue Date: 01-01-2015	Revision Date: 01.03.2021		

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: MAY22/120/42

100	W. B. Andreas - A Ciliante Mile. Compine Inches	trion Lt	DETAILS id.,- Chemical Division. trial Estate,Bheruch,PO-Villayat Taluka-Vagra Gujarat.			
	Pincode-392140,					
2.	Sample ID: 2147888246 - 120MY22HW02	3,	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 19.05.2022	5.	Sampling location: Phosphoric Acid			
Ь,	Analysis commenced on: 21.05.2022	7.	Analysis Completed on: 02.06.2022			
8.	Reporting Date: 02.06.2022	9.	Sample Collected By: Mr. Vimal Chauhan			
10.	Physical Status: Solid	11.	Discipline: Chemical			
12.	Sample Category: -	13.	Group: Pollution and Environment			
14.	Colour: Gray	15.	Product: Solid Waste			
16.	Description of sample: Packed and sealed in polythene bags.v					
17.	Sample Received Date: 21.05.2022					

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Mechad Used
4.5	ρΗ		6.98	N.A.	APHA 23rd Edition 4500-H1-B
1.	% Moisture Contents	196	36.64	N.A.	APHA 23 rd Edition 2540 C
2.	COD	gm/kg :	4.94	N.A.	APHA 23 rd Edition 5220 B
3.	Cyanide	gm/kg	N.D.	N.A.	APHA: 23 rd Edition 4500 CN ⁻ E
4.		gm/kg :	<0.0002	N.A.	APHA 23" Edition 3500 Cr - B
5.	Chromium	gm/kg :	<0.0006	N.A.	APHA 231º Edition 3111 B
6.	Сороег	gm/kg :	<0.0004	N.A.	APHA 23rd Edition 3111 B
7.	Lead	gm/kg	<0.0004	N.A.	APHA 23rd Edition 3111 B
В.	Nickel		<0.0006	N.A.	APHA 23 rd Edition 3111 B
9.	Zinc	gm/kg	12.48	N.A.	APHA 23rd Edition 2540 C
10.	Total Inorganic Solids	%		N.A.	APHA 23 rd Edition 2320 B
11.	Total Alkalinity as CaCo3	gm/kg	2.2		APHA 23rd Edition 4500 P - C
12.	Phosphate	gm/kg	0.062	N.A.	ALLEN CO. PRINCE JOSE

Remark: 5 % leachage solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

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during gradysts.
The results reported above revise to the semple identified under Sample Solution.

....END OF REPORT-----

TEST REPORT FORMAT - SOLID WAST	TE	
1sque No :: 02	Revision No.: 03	
Topie Dalvi 01-01-2015	Revision Debg: 01.00,2021	





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: MAY22/120/42 (ULR-TC709922000010545F)

SAMPLE DETAILS

		PLE DETAI	at Division
L	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayet Industries Pincode-392140.	ugulai Estate,	Sharuch, PO-Villayat Taluka-Vagra, Gujarat. Client Representative: Mr.Visas Valand
2.	Sample ID: 21478B8246 - 120MY22NO01	3.	
	Sampling Date: 19.05.2022	5.	Sample Collected By: Mr. Vimal Chauhan
4.	Analysis commenced on: 19.05.2022	7.	Analysis Completed on: 19.05,2022
6.		9.	Sampling Location:
8.	Reporting Date: 02.06.2022	17.00	Sample Received Date : 19.05.2022
D.	Discipline: Chemical	13.	Sample Received Date - 25
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels		
Acres .		TABLE OF STREET AND ADDRESS.	Diamon Company

TEST RESULTS

		E	ay	N	and the second	
S. No.			Reading dB(A)	Time	Reading dB(A)	Method
2015		11:00 hr	51.3	21:45 hr	49.8	15 9989: 1981
1.	Nr. Main Gate	11:30 hr	59.3	22:00 hr	56.3	15 9989: 1981
2.	Nr. ALCP Plant	11:15 br	67.8	22:05 hr	65.3	IS 9989: 1981
3.	Nr.PAC Plant	The second secon			53.2	IS 9989: 1981
4.	Nr.CL2 Area	11:20 hr	54.3	22:15 hr		15 9989: 1981
5.	Nr.ETP	11:45 hr	57.3	22:20 hr	55.5	A STATE OF THE PARTY OF THE PAR
6.	Near Coal Tippler	11:40 hr	54.2	22:30 hr	53.1	15 9989: 1981
- 000		12:00 hr	52.3	22:50 hr	51.7	15 9989: 1981
7.	Fiber Main Gate		-			IS 9989: 1981
8.	Fiber Material Gate	12:05 hr	51.3			1.77.505

Remark:

Authorized By

Name: Bhavisha Pandya

Designation : Sr.Chemist

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not. concurred during analysis.

The results reported above relate to the sample identified under Sample Details.END OF REPORT----

	TEST REPORT FORMAT - NOISE		
	Tissue No.: 01	Revision No.: 02	
DOC. NO.: LAB-FMT-087	Terus Date: 01-05-2015	Revision Date: 01.07.2020	



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/01 (ULR- TC/0992/2000010523F)

SAMPLE DETAILS

		2	AM	INCE DE	PALL	3		
(1)	Name 8, Address of Client "Caustic Plant-Vilayat" Pk Pin code-392140.	: M/s. Grasim Ind at No 1,GIDC Vila	dus! yat	Industri	al Est	ate, Bharuch, PO-Villa	ıyat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2147888246 -	-120MY22SE01		 Client Representative: M 		lepresentative: Mr.V	Market Company of the	
4.	Sample Date: 19.05.2022		10		The state of the s			
6.	Sampling Time: 15:00 hr							
8.	Analysis commenced on: 24,05,2022		8	9. A	The state of the s			
10.	Reporting Date: 02.06.2022			No. of Concession, Name of Street, or other Persons, Name of Street, or ot	Discipline; Chemical			
12.			_	Company of the Company	Group: Atmospheric Pollution			
14.	Sampling Procedure: IS N			5. Product: Stack Emission				
16.	Description of Sample:	Sampling Bottles	s: S	iealed		Thimble:Packed v	Bladder: Clamped	
17.	Sample Received Date: 2	Turing company	ST	ACK DE	TAIL		990000	
s.No.	Parametera	Unit (SI)				Descri	ption	
17.	Source		1	Calciur	n Chi	oride Plant		
2.	Height	m		100				
3.	Diameter	mm	4	2-				
4.	Temperature	°6	3	73	73			
5.	Velocity	m/s	3		5.4			
6.	Type of fuel used		13	N.A.				
7.	Quantity of fuel used		1.2	N.A.			_	
S. No.	Parameters	Unit (SI)		Resu	lts	Specification/ SPCS Norms/ BIS Standards	Method Used	
1.	Particulate Matter	mg/Nm³	1	17		150	IS 11255 (Part 1): 1985	
Rema								
Autho	orized By -			- ,				
and the second	e : Bhavisha Pandva		Des	Designation : Sr. Chemist				

Name : Bhavisha Pandya

Designation : Sr. Chemist

Reports may be reproduced, if required, but only in full and only with written approval of the leboratory. Relanalysis of complex will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

.....END OF REPORT-----

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Data: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/07 (ULR-TC709922000010529F)

				PLE DETAIL			
	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.	No 1,GIDC Viley	/at	Industrial Est	ate,Bharuch,PO-Villay		
Z.	Sample ID; 2147888246 -	120MY22SE07		3. Client Representative: Mr. Vikas Valand			
4.	Sample Date: 19.05.2022	Province in the State of Department	+				
6.	Sampling Time: 12:15 hr		_	Sampling Duration: 15 Mins			
8.	Analysis commenced on: 2		4000		Analysis Completed on : 24.05.2022		
10.	Reporting Date: 02.06.202		-	The state of the s	Discipline: Chemical		
12.	Sample Collected By: Mr. '	Vimal Chauhan			Group: Atmospheric Pollution Product: Stack Emission		
14.	Sampling Procedure: IS M		-	and the second		Blodder: Clamped	
16.	Description of Sample:		5	ested V	Thimble:Packed	Bisager, Clarispec	
17.	Sample Received Date: 2	4.05.2022	ST/	CK DETAIL	§ .		
S.No.	Parameters	Unit (SI)			Descrip	tion	
	Source		13	Chlorinated	Paraffin Plant		
1. 2.	Height	m		35			
3.	Diameter	mm	13	350			
4.	Temperature	**C	94				
5.	Velocity	m/s		JEF			
6.	Type of fuel used		10	N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Uscd	
1.	Cir	mg/Nm ^t	:	0.361	ġ	LAB-50P-104	
Rema	irk:						
Autho	orized By -						
The second second	: Bhavisha Pandya			Designa	tion : Sr. Chemist		

Name : Bhavisha Pandya NOTE

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

The results reported shows relate to the sample identified under Sample Details.

END OF REPORT.

	TEST REPORT FORMAT - STACK	No. in the last of
DOC: NO:: LAB-FMT-05Z	Issue No.: 02	Revision No.: 03
fective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/08 (ULR-TC709922000010530F)

CAMPLE DETAILS

	TENERO (SE PARENCIA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CO			PLE DETAI			
(500)	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.	nt: M/s. Grasim Inc lot No 1,GIDC Vila	lust /at	Industrial Es	tate, Bharuch, PO-Villay	at Taluka-Vagra.Gujarat.	
2.	Sample ID: 2147888246	- 120MYZZSE08	1			sentative: Mr.Vikas Valand	
4.	Sample Date: 19.05.202		IIS		Sampling Location: Sodium Hypo Stack - 1		
6.	Sampling Time: 11:40 h		13		Sampling Duration: 15 Mins		
8.	Analysis commenced on				Analysis Completed on: 24.05.2022		
10.	Reporting Date: 02.06.2		1		Discipline: Chemical		
12.	Sample Collected By: Mr		-		: Atmospheric Pollution	12	
14.	Sampling Procedure: IS	Method		70.00	ct: Stack Emission		
16.	Description of Sample:		: 5	ealed V	Thimble:Packed	Bladden Clamped	
17:	Sample Received Date:	24.05.2022					
ST. Out	100	3	STA	ACK DETAL	LS		
S.No.	Parameters	Unit (SI)			Descrip	tion	
113	Source			Sodium Hypo Stack – 1			
2.	Height	m		35	CA AILCONOCHLOS		
3.	Diameter	mm	1	450			
4.	Temperature	196	1	80			
5.	Velocity	m/s	1				
6.	Type of fuel used		12	N.A			
7.	Quantity of fuel used		13	N.A			
S. No.	Parameters	unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
T.	Cb	mg/Nm³	1	1.135	9	LAB-SCP-104	
Rema	A second						
	orized By -						
	Bhauleha Bandya			Design	ation : Sr. Chemist	CONTRACTOR OF THE PARTY OF THE	

Name : Bhavisha Pandya

Designation : Sr. Chemis

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples

are not consumed during analysis.

The results reported above relate to the sample identified under Sample Datais.

END OF REPORT-

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FHT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Regrision Date: 01.03.2021



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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/09 (ULR- TC709922000010531F)

SAMPLE DETAILS

	NOTES TO THE PROPERTY OF THE PARTY OF THE PA	20		PLE DETAI			
**	Name & Address of Clien "Caustic Plant-Vileyat" P Pin code-392140.	ot No 1,GIDC Vilay	/at	Industrial Es	tate,Bharuch,PO-Villay		
Z	Sample ID: 2147888246	-120MY22SE09		3. Clent Representative: Mr.Vikas Valand			
	Sample Date: 19.05.202		-				
6.	Sampling Time: 11:30 h		1 3				
8.	Analysis commenced on:	24.05.2022	-	THE R. P. LEWIS CO., LANSING, MICH.	Analysis Completed on ; 24.05.2022		
10.	Reporting Date: 02.06.2	022	-		ine: Chemical	4.1	
12.	Sample Collected By: Mr	Vimal Chauhan		The second secon	: Atmospheric Pollution		
	Sampling Procedure: IS		Sec. of		t: Stack Emission	The transfer where the	
	Description of Sample:		: 5	ealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	24.05.2022					
		10	STA	ACK DETAIL	2		
S.No.	Parameters	Unit (SI)			Descrip	tion	
1.	Source		1	Sodium H	ypo Stack – 2		
2.	Height	m	1	35			
3.	Diameter	mm	1.5	450			
4.	Temperature	ಿದ	7	39			
5.	Velocity	m/s	1	121			
6.	Type of fuel used		1:	N.A			
7.	Quantity of fuel used		3	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
PARTIE A	r.	mo/Nm³	1	1.914	9	LAB-SOP-104	
	. 2	1	100				
No. 1. Rema	or rk:	Unit (SI) mg/Nm³		Section 10.70	SPCB Norms/ BIS Standards	Ú	
	rized By -		-	Design	ation : Sr. Chemist		

Name: Bhavisha Pandya

Reports may be recoduced. If required, but only in full and only with written approval of the laboratory. NOTE

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/10 (ULR- TC709922000010532F)

1924		1964	in the later of the	PLE DETAIL	The state of the s		
1,	Name & Address of Clien "Caustic Plant-Vilayat" P Pin code-392140.	r: M/s. Grasim Ind ot No 1,GIDC Vilay	lust /at	Industrial Est	ate,Bharuch,PO-Villaya		
2.	Sample ID: 2147638246	- 120MY22SE10		Client Representative; Mr Vikas Valand			
	Sample Date: 19.05.202		1 3				
	Sampling Time: 14:00 h		1.3				
8.	Analysis commenced on:		3		Analysis Completed on : 24.05.2022		
10.	Reporting Date: 02.06.2		_				
12.	Sample Collected By: Mr		-	Group:	Group: Atmospheric Pollution		
14.	Sampling Procedure: 15	Method	100	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	t: Stack Emission	Latin Samuel	
16.	Description of Sample:	Sampling Bottles	5	ealed V	Thimble: Packed	Blackier: Clamped	
17.	Sample Received Date:	24.05.2022		ACK DETAIL	S		
S.No.	Parameters	Unit (SI)			Descript	ion	
-	#1000000000000000000000000000000000000		17	Aluminium	Chloride Plant		
1.	Source	m		35			
2.	Height	mm	ľ	350			
3.	Diameter	- Age	Ħ	42			
4.	Temperature Velocity	m/s	Ì	-			
5. 6.	Type of fuel used	- 1277	Ŕ	N.A			
7.	Quantity of fuel used		Ė	N.A			
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
ī.	O	mg/Nm²	1	0.618	9	LAB SOP-104	
Rema	ark:						
	orized By						
1000	e - Bhavisha Pandva			Designa	ition : Sr. Chemist	22 - 12 - 27	

Name: Bhavisha Pandya

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Re analysis of sarrole will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-EMT-052	Issue No.: 02	Revision No.: 03
fective Dale 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/11 (ULR- TC709922000018533F)

SAMPLE DETAILS

		100	-	PLE DETAILS	Control College		
1,	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.	M/s, Grasim Inc No 1,GIDC Vilay	iust rat :	Industrial Estat	e,Bharuch,PO-Villay		
2.	Sample ID: 2147888246 -	120MY225E11	1		presentative: Mr.Viki		
4.	Sample Date: 19.05.2022	MODIFICATION OF THE PARTY OF TH	113		saching Powder Plant		
6.	Sampling Time: 14:45 hr				Duration: 15 Mins		
8.	Analysis commenced on: 2	4.05.2022	3	College and the College and Co	Analysis Completed on : 24.05.2022		
10.	Reporting Date: 02.05.202		13		: Chemical		
12.	Sample Collected By: Mr. V		-	THE RESERVE THE PROPERTY OF THE PARTY OF THE	tmospheric Pollution		
14.	Sampling Procedure: IS Me	sthod		The second second second second	Stack Emission	Tay in the second	
16.	Description of Sample:	Sampling Bottles	i: Si	ealed V	Tinimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 25	1.05,2022		CONTRACTOR OF THE PARTY OF THE			
		35	STA	CK DETAILS			
S.No.	Parameters	Unit (SI)			Descript	tion	
1.	Source		3	Stable Bleaching Powder Plant			
2	Height	·m·	33	35			
3.	Diameter	mm	12	200			
4.	Temperature	e _C		39			
-5	Velocity	m/s.	Ti.				
6.	Type of fuel used	10,000	1	N.A			
7.	Quantity of fuel used		12	N.A	in the second second		
S. No.	Parameters	Unit (S1)		Results	SPCB Norms/ BIS Standards	Method Used	
10	G ₂	mg/Nm³	:	0.445	9	LAB-SOP-104	
Rema			918				
	orized By -						
Witness .	e : Bhavisha Pandya			Designat	ion : Sr. Chemist	2200 V. A. W. A.	

MOTE:

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Se analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 7) are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. END OF REPORT----

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/12 (ULR- TC709922000010534F)

41.50		2		PLE DETAIL			
2;	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.	No 1,GIDC Vilay	yat i	Industrial Est	ate,Bharuch,PO-Villay		
2.	Sample ID: 2147888246 -	120MY225E12	1	Client P			
4.	Sample Date: 19 05 2022			(Old Por	Sampling Location: Poly Aluminium Chloride Plant (Old Powder Plant)		
6.	Sampling Time: 12:40 hr		1	5amplii			
8.	Analysis commenced on: 2	4.05.2022	3		Analysis Completed on ; 24.05.2022		
10.	Reporting Date: 02:06:202		3		Discipline: Chemical		
12.	Sample Collected By: Mr. \			Group:	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS Me	ethod		Produc	t; Stack Emission	W. W.	
16.	Description of Sample:	Sampling Bottles	s: S	ealed V	Thimble:Packed	Bladder: Clamped	
17	Sample Received Date: 24	ns 2022					
L.F. a.			STA	ACK DETAIL	S		
S.No.	Parameters	Unit (SI)			Descrip		
1.	Source			Poly Alumin	nium Chloride Plant (C	old Powder Plant)	
2.	Height	m	13	35			
3.	Diameter	mm	1	350			
4.	Temperature	u _C	18	40			
5	Velocity	m/s	1.5	F8			
6.	Type of fuel used			N.A			
7.	Quantity of fuel used		1:	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification / SPCB Norms / BIS Standards	Method Used	
1.	O ₄	mg/Nm³	:	0.726	9	LAB-SOP-104	
Rem	ark:	W	100				
A STATE OF THE PARTY OF THE PAR	orized By - Dir						

Name : Bhavisha Pandya

Designation : Sr. Chemist

MOTE 35

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
LANGE OF THE PART OF THE	lesue No.: 02	Revision No.: 03
DOC: NO.: LAB FMT-052 Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10, Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/13 (ULR- TC709922000010535F)

				PLE DETAIL			
20	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.	M/s. Grasim Ind No 1,GIDC Vila	lust vat	Industrial Es	tate,Bharuch,PO-Villayi		
2.	Sample ID: 2147888246	120MY225E13		Client Representative: Mr.Vikas Valand			
	Sample Date: 19.05.2022			Powde	Sampling Location: Poly Aluminium Chloride Plant (Ne Powder Plant)		
6.	Sampling Time: 12:35 hr	oling Time: 12:35 hr			ing Duration: 15 Mins	en e	
8.	Analysis commenced on: 2	nalysis commenced on: 24.05.2022			is Completed on: 24.0	5.2022	
	Reporting Date: 02:06:2022				line: Chemical		
12.	Sample Collected By: Mr.	By: Mr. Vimal Chauhan			: Atmospheric Pollution	1	
14.	Sampling Procedure: IS M	ethod	15. Product: Stack Emission				
16.	Description of Sample:	Sampling Bottle:	s: 5	ealed V	Thimble: Packed	Bladder: Clamped	
17.	Sample Received Date: 24	.05.2022			WORKS		
	TRANSPORT CONTRACTOR		STA	ACK DETAIL	S		
S.No.	Parameters	Unit (SI)			Descrip		
I.	Source		ij	: Poly Aluminium Chloride Plant (New Powder Plant)			
2	Height	m	:	35			
3.	Diameter	mm	13	350			
4	Temperature	95	152	42			
5,	Velocity	m/s	1	-			
6.	Type of fuel used			N.A			
7.	Quantity of fuel used		1:	N.A	and the same of th		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
10	Ch	mg/Nm ³	1	0.528	9	LAB-SOP-104	
Reme		-					
	prized By -						
	s · Rhavisha Pandva			Design	ation : Sr. Chemist		

Name: Bhavisha Pandya

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.
 END OF REPORT.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Tective Date: 01:03:2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.; MAY22/120/14 (ULR- TC709922000010536F)

SAMPLE DETAILS

		S:	AM	PLE DETAIL	emical Division.		
1,	Name & Address of Client "Caustic Plant-Vilayat" Pk Pin code-392140.	t: M/s. Grasim Ind ot No 1,GIDC Vilay	ust /at :	Industrial Est	ate, Bharuch, PO-Villaye		
2.	Sample ID: 2147888246	- 120MY22SE14	22SE14 3. Client Representative: Mr.Vikas Valand				
4.	Sample Date: 19.05.2022			Plant)			
6.	Sampling Time: 12:30 hr	ti.	13				
8.	Analysis commenced on: 24.05,2022				s Completed on: 24.0	5.2022	
10.	Reporting Date: 02.06.2022				ne: Chemical		
12.		ted By: Mr. Vimal Chauhan			Atmospheric Pollution		
14.	Sampling Procedure: IS	Method	15. Product: Stack Emission				
16.	Description of Sample:	Sampling Bottler	n S	ealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 2	24.05.2022					
			STA	CK DETAIL	S		
S.No.	Parameters	Unit (SI)			Descript	ion	
1.	Source		13	Poly Alumi	nium Chloride Plant	t (Liquid Plant)	
2	Height	- m	13	35			
3.	Diameter	mm	1	350			
4.	Temperature	Pc .	12	40			
5.	Velocity	m/s	1				
6.	Type of fuel used	N-1000	1.5	N.A.			
7.	Quantity of fuel used		13	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
13	Cb	mg/Nm³	Ī	0.435	9	LAB-50P-104	
Rem			-	100000			
The second second	orized By -						
MALL	the second of			Declare	tion Sr. Chemist		

Name : Bhavisha Pandya

NOTE

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples.

are not consumed during enelysis.

3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT.

	TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03	
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01:03.2021	

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/15

SAMPLE DETAILS

	2.00	30.00	THE RESERVE OF THE PARTY.	27:	
"Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vilay	rat .	Industrial Es	tate, Bharuch, PO-Villa	
Sample ID: 2147888246	- 120MY225E15	+			
Sample Date: 19.05.2022		13			
		-			
		3	The second secon		.05.2022
Sample Collected By: Mr	. Vimal Chauhan			201.	
Sampling Procedure: 15	Method		15. Produ		¥0-0000000
		: 5	ealed V	Thimble:PackedV	Bladder: Clamped
	24.05.2022				
	0	SIA	ACK DETAI	1.5	
<u>Parameters</u>	Unit (SI)			Descri	ption
Source			HCL Stack	-1	
	m	(3)	35		
Diameter	mm	13	150		
Temperature	%c	14	40		
	m/s	1	OF S		
A STATE OF THE PROPERTY OF THE		1	N.A		
		1 4	N.A.		
Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
HO.	mg/Nm ³	T _a	12.42	35	APHA 23 rd Edition: 4500 - Cl
ark:		-1100			
100 100 100					
	"Caustic Plant-Vilayat" Pin code 392140. Sample ID: 2147888246 Sample Date: 19.05.202 Sampling Time: 11:30 hr Analysis commenced on: Reporting Date: 02.06.2 Sample Collected By: Mr Sample Collected By: Mr Sampling Procedure: 15 Description of Sampler Sample Received Date: Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters	Name & Address of Client; M/s. Grasim Ind "Caustic Plant-Vilayat" Plot No 1,GIDC Vilay Pin code 392140. Sample ID: 2147888246 – 120MY225E15 Sample Date: 19.05.2022 Sampling Time: 11:30 hr Analysis commenced on: 24.05.2022 Reporting Date: 02.06.2022 Sample Collected By: Mr. Virnal Chauhan Sampling Procedure: 15 Method Description of Sample: Sampling Bottles Sample Received Date: 24.05.2022 Parameters Unit (SI) Source Height m Drameter mm Temperature % Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) HCL mg/Nm² ark:	Name & Address of Client: M/s. Grasim Indust "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code 392140. Sample ID: 2147888246 – 120MY225E15 Sample Date: 19.05.2022 Sampling Time: 11:30 hr Analysis commenced on: 24.05.2022 Reporting Date: 02.06.2022 Sample Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample Sampling Bottles: S Sample Received Date: 24.05.2022 S1/ Parameters Unit (SI) Source : Height m	Name & Address of Client: M/s. Grasim Industries Ltd.,- Or Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Est Pin code 392140. Sample ID: 2147888246 – 120MY225E15 3. Client. Sample Date: 19.05.2022 5. Sample Date: 19.05.2022 5. Sampling Time: 11:30 hr 7. Somple Analysis commenced on: 24.05.2022 9. Analysis commenced on: 24.05.2022 11. Discip Sample Collected By: Mr. Virnal Chauhan 13. Group Sampling Procedure: 15 Method 15. Produ Description of Sampler Sampling Bottles: Sealed v' Sample Received Date: 24.05.2022 STACK DETAI Parameters Unit (SI) Source 1 HCL Stack Height m 1: 35 Diameter mm 1: 150 Temperature % 150 Temperature % 150 Velocity m/s 1- Type of fuel used 1 N.A Parameters Unit (SI) Results HCL mg/Nm² 1: 12.42 ark: orized By - Winit (SI) mg/Nm² 12.42	Sample ID: 2147888246 - 120MY225E15 3. Client Representative: Mr.V

Name : Bhavisha Pandya

NOTE

Designation : Sr. Chemist

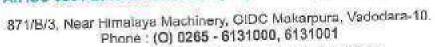
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are not consumed during analysis. The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

	TEST REPORT FORMAT - STACK	
A THE RESERVE OF THE PARTY OF T	Issue No.1 02	Revision No.: 01
DCC: NO.: LAS-FMT-052 Spective Date:: 03:03:2021	Issue Date: 01-01-2015	Revision Date: 01.03.2071

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/16

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Vilayat" Plo	t No 1,GIDC Vilay	at .	industrial Esta	te, Bharuch, PO-Ville	yat Taluka-Vagra Gujarat.	
2.	Pin code-392140. Sample ID: 2147838246 -	120MY22SE16	18	3. Client Re	presentative: Mr.Vi	kas Valand	
4.	Sample Date: 19.05.2022	2201112200129	4	A COUNTY OF THE PARTY OF THE PA	Sampling Location: HOL Stack - 2		
6.	Sampling Time: 11:50 hr		-		Sampling Duration: 15 Mins		
9.	Analysis commenced on: 24.05.2022		10		Completed on: 24.	05.2022	
10.	Reporting Date: 02.06.20		113		e: Chemical		
12.	Sample Collected By: Mr.		13	3. Group:	Mmospheric Pollutio	0	
34.	Sampling Procedure: IS M	lethod	I s	5. Product	Stack Emission		
16.	Description of Sample:		: 5	ealed V	Thimble:PackedV	Bladder: Clamped	
17.	Sample Received Date: 2						
SMACH	Dailipia Joseph III	3	514	CK DETAILS			
S.No.	Parameters	Unit (SI)	Description				
1.	Source		3	: HCL Stack - 2			
2.	Height	m		35			
3,	Diameter	mm	1	150			
4	Temperature	9C	3	40			
5.	Velocity	m/s	1	- E			
6.	Type of fuel used		1:	N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
i.	на	mg/Nm ³	1	10.80	35	APHA 23 rd Edition: 4500 - CI	
Rem			(1)				
Auth	orized By -						

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2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Deters. END OF REPORT----

	TEST REPORT FORMAT - STACE	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Tasuc Dote: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/17

*** ·	Name & Address of Clien "Caustic Plant-Vilayat" Pi Pin code-392140.	t: M/s. Grasim Inc ot No 1,GIDC Vila	ust /et l	Industrial Est	ate,Bharuch,PO-Villa	vat Takika-Vegra Gujarat.	
2.	Sample ID: 2147888246	- 120MY22SE17	1.3	 Client Representative: Mr. Vikas Valand 			
	Sample Date: 19.05.2022		13		ng Location: HCL Sta		
	TO THE STATE OF THE PARTY OF TH		1		ng Duration: 15 Mins		
8.	Analysis commenced on: 24,05,2022		18		is Completed on: 24.	05.2022	
10.			1	Control of the Contro	ine: Chemical		
12.	Sample Collected By: Mr		100000		Atmospheric Pollutio	n	
14.	Sampling Procedure: IS	Method	1.3	Produc	t: Stack Emission	PARTITION OF THE PARTIT	
16.	Description of Sample:		: S	ealed v	Thimble:Packed √	Bladder: Clamped	
17.	Sample Received Date:	24.05.2022					
			5T/	CK DETAIL	5		
S.No.	Parameters	Unit (SI)			Descri	otion	
1.	Source		1	HCL Stack	3		
2.	Height	m		35			
3.	Diameter	mm	1	150			
4.	Temperature	%g	1	42			
5.	Velocity	m/s	1	8			
6.	Type of fuel used			N.A			
7.	Quantity of fuel used		1	N.A			
70-	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BTS Standards	Method Used	
S. No.	W40.001.000.000						

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re snellysis of sample will be done, if requested within 7 days from the data of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Jesue No.: 02	Revision No.: 03
	Psoud Date: 01-01-2015	Revision Date: 61 03.2021
Effective Date: 01.03.2021	ESOC DOC: OF OUR ASSE	Danis

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/18

PRESENT OF PROPERTY OF

				PLE DETAIL					
125	Name & Address of Client "Caustic Plant-Vileyat" Pir Pin code-392140.	t: M/s. Grasim ind of No 1,GIDC Vilay	rat 1	Industrial Es	tate, Bharuch, PG-Villay	rat Taluka-Vagra.Gujarat.			
2.	Sample ID: 2147888246	- 120MY22SE18	-	C. C. C. Control of the Control of t					
4.	Sample Date: 19.05.2022		1		Sampling Location: HCL Stack - 4				
6.	Sampling Time: 12:20 hr		+		ng Duration: 15 Mins				
8.	Analysis commenced on: 24.05.2022		13	And in case of the	is Completed on: 24.	05.2022			
10.	Reporting Date: 02.05.2022		13		ine: Chemical				
12.					Atmospheric Pollutio	α			
14.	Sampling Procedure: IS I	Method	100		t: Stack Emission	In the contract that we would be the contract to the contract			
16.	Description of Sample:	Sampling Bottles	s: 54	ealed v	Thimble:Packed V	Bladder: Clamped			
17.	Sample Received Date: 2	24.05.2022							
- Charles			STA	CK DETAIL	S				
S.No.	o. Parameters Unit (SI)			Description					
10	Source			: HCL Stack - 4					
2.	Height	m	1	35					
3.	Diameter	mm	3	150					
4.	Temperature	⁰ C	13	40					
5.	Velocity	m/s	1						
6.	Type of fuel used		1	N.A					
7.	Quantity of fuel used		14	N.A					
S. No.	Parameters	unit (SE)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
1,	HOL	mg/Nm ³		11.34	35	APHA 23 rd Edition: 4500 - CI C			
Rem		The state of the s							
Auth	orized By -								
Nam	e : Bhavisha Pandya			Design	ation : Sr. Chemist				

NOTE:

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The results reported above relate to the sample identified under Sample Details. -----END OF REPORT----

	TEST REPORT FORMAT - STACK	
NOC NO LIAN ENTINES	Issue No.: 02	Revision No.: U3
DOC, NO.: LAB-FMT-952		Revision Date: 01-03-2021
Effective Date: 01.03.2021	Issue Oote: 01-01-2015	Revision Date: 01.03.20

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/19

SAMPLE DETAILS

				PLE DETA					
45	Pin code-392140.	No 1,GIDC VIIa	/at I	Industrial I	Estate, Bharuch, PO-VIII	ayat Taluka-Vagra.Gujarat.			
2.	Sample ID: 2147688246 -	120MY22SE19	-		t Representative: Mr.\				
	Sample Date: 19.05.2022		_		Sampling Location: Phosphoric Acid Plant				
5.	Sampling Time: 14:20 hr		13		Sampling Duration: 15 Mins				
	Analysis commenced on: 24.05.2022		-		Analysis Completed on: 24.05.2022				
10.	Reporting Date: 02.06.2022		-		Discipline: Chemical				
12.	Sample Collected By: Mr. \	rimal Chachan	20400	13. Group: Atmospheric Pollution		ion			
14.	Sampling Procedure: IS Me	ethod	_	15. Product: Stack Emission Sealed ✓ Thimble: Packed ✓ Bladder: Clamped					
16.	Description of Sample:	Sampling Bottles	: 5	ealed v	Thimble:Packed v	Bladder: Clamped			
17.	Sample Received Date: 24	05.2022	and a second		20.00				
		3	STA	CK DETA	III S				
S.No.	Parameters	Unit (SI)			Descr	iption			
1.	Source		1	Phospho	ric Acid Plant				
2.	Height	m		35	Substitution General				
3.	Diameter	mm	1	350					
4.	Temperature	AC.	13	40					
5.	Velocity	m/s	1						
6.	Type of fuel used		1	N.A					
7.	Quantity of fuel used		1	N.A.					
S. No.	Parameters	unit (SI)		Result	Specification/ SPCB Norms/ BIS Standards	Method Used			
1	HCL	rng/Nm³		8.64	20	APHA 23rd Edition: 4500 - CI			
- 3000	HF	rog/Nm³	19	N.D.	6	IS 11255 (Part 5): 1990			
2. Rema	HF erk: N.D Not/Oefecter	11 05	13	N.D.	1 388	AC 445400 15 THE PROPERTY.			

Authorized By -Name : Bhavisha Pandya

Designation : Sr. Chemist

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 The results reported above relate to the sample identified under Sample Details. ----FND OF REPORT-----

	TEST REPORT FORMAT - STACK		
Work WOLLD BUT DOT	Issue No.: 02	Revision No.: 03	
DCC: NO.: LAB-PMT-052 Methye Date:: 01.03.2021	Issue Dote: 01-01-2015	Revision Date: 01:03:2021	

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/20

SAMPLE DETAILS

**	Name & Address of Client "Caustic Plant-Vileyat" Pk Pin code-392140.	: M/s. Grasim Inc at No 1,GIDC Vila	rat 1	ries Ltd.,- Che Industrial Esta	emical Division. ate, Bharuch, PO-Villa	yat Taluka-Vagra.Gujarat.	
	Sample ID: 2147888246	- 120MY22SE01	1 3		epresentative: Mr.Vi		
	Sample Date: 19.05.2022			5. Samplin	Sampling Location: Calcium Chloride Plant		
	Sampling Time: 15:00 hr			7. Samplin	Sampling Duration: 20 Mins		
6.	Analysis commenced on: 24.05.2022		1.3	Analysis			
10.	Reporting Date: 02.06.2022			1. Disciplin	Discipline: Chemical		
12.	Sample Collected By: Mr.			13. Group: Atmospheric Pollution			
14	Sampling Procedure: IS	Method		Product	: Stack Emission	position and the second	
16.	Description of Sample:	Sampling Bottle	e S	ealed V	Thimble:Packed V	Bladder: Clamped	
17.	Sample Received Date: 2	4.05.2022					
784	Chill Bree 1 to be and 1 to be		STA	CK DETAIL	5		
S.No.	<u>Parameters</u>	Unit (SI)			Descrip	xtion	
150	Source			Calcium Chi	oride Plant		
2.	Height	m	13				
3.	Diameter	1000	13				
4.	Temperature	⁶ G	100	73			
5.	Velocity	m/s	1.3	5.4			
6.	Type of fuel used		1	N.A.			
7.	Quantity of fuel used		1.0	N.A.			
<u>5.</u> No.	Parameters	unit (SE)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1	HOL	mg/Nm³	1	5.97	20	APHA 23 rd Edition: 4500 - Ci	
187	11/1/19		-1-5				

Name : Bhavisha Pandya

Designation : Sr. Chemist

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1) 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting or sample if the samples.

are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. END OF REPORT

	TEST REPORT FORMAT - STACK			
THE RESERVED THE ACT	Issue No.: 02	Revision No.: 03		
DOC. NO.: LAB-FMT-052 Herting Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021		

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY 22/120/21

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	nys, Grasim ind No 1,GIDC Vilay	rat I	ndustrial Esta	te, Bharuch, PO-Villa	yat Taluka-Vagra.Gujarat		
	Pin code-392140.	*2000020007		3. Client Re	epresentative; Mr.Vi	kas Valand		
2.	Sample ID: 2147888246 -	120/4/225607	_					
4.	Sample Date: 19.05.2022		+					
6.	Sampling Time: 12:15 hr		1	7. Sampling	Analysis Completed on ; 24.05.2022			
8.	Analysis commenced on: 24.05.2022		-	THE RESERVE OF THE PARTY OF THE	The second state of the se			
10.	Reporting Date: 02.05.2022		_					
12.	Sample Collected By: Mr. Vimal Chauhan		1000					
14.	Sampling Procedure: JS Me	insod	1000		Thimble: Packed	Bladder: Clamped		
16.	Description of Sample: 19 Sample Received Date: 24		i Sc	20100 V	Inimplesyacysu	Diduction Champion		
S.No.	Parameters	Unit (SI)	SIA	CK DETAILS	Descri	ption		
	Source		1	Chlorinated I	Paraffin Plant			
2.	Height	00	13	35				
3.	Diameter	norm	1	350				
4.	Temperature	¢ _C	13	-				
5.	Velocity	m/s						
6.	Type of fuel used			N:A				
7.	Quantity of fuel used			N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³	5	5.97	20	APHA 23rd Edition: 4500 - CI C		
Rem	ark!		el Call					
	ark : orized By - Andya							

Name : Bhavisha Pandya

NOTE

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are not consumed during analysis. The results reported above relate to the sample identified under Sample Details. END OF REPORT-----

	TEST REPORT FORMAT - STACK		
The state of the	Issue No.: 02	Revision No.: U3	
OCC. NO.: LAB-FMT-052 Mective Date: 01/03/2021	Tasuc Date: 01 01-2015	Revision Date: 01.03.2021	

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/22

SAMPLE DETAILS

		27	AITH	PLE DE IV	TE LOS			
1.	Name & Address of Client: "Caustic Plant Vilayat" Plot Pin code-392140.	No 1,GIDC Vilay	rat 1	Industrial	Estate	e,Bharuch,PO-Villa		
2.	Sample ID: 2147888246 -	120MY22SE10	-			resentative: Mr.Vi		
4.	Sample Date: 19:05.2022	ole Date: 19:05.2022			Sampling Location: Aluminium Chloride Plant			
5.	Sampling Time: 14:00 hr		18					
8.	Analysis commenced on: 24.05.2022		18	A COUNTY OF THE PARTY OF THE PA				
10.	Reporting Date: 02.06.2022		1					
12.	Sample Collected By: Mr. Vimal Chauhan		1000	The Control of the Control				
14.	Sampling Procedure: IS Me		15. Product: Stack Emission					
16.	Description of Sample:	Sampling Bottles	s: Se	ealed v	1	Thimble:Packed v	Bladder: Clamped	
17.	Sample Received Date: 24	.05.2022	ST/	ACK DET	AILS			
S.No.	Parameters	Unit (SI)				Descrip	otion	
122	Source			Alumini	um C	hloride Plant		
2.	Height	m	1	35				
3	Diameter	more	12	350				
4.	Temperature	°C	13	42				
5	Velocity	m/s	;					
6.	Type of fuel used		15	N.A				
7.	Quantity of fuel used		1	N.A.				
S. No.	Parameters	Unit (SI)		Result	5	Specification/ SPCB Norms/ BIS Standards	Method Used	
1	HCL.	mg/Nm³	3	4.35		20	APMA 23" Edition: 4500 - CLC	
Rem	ark:							
Auth	iorized By -			- 15		-		
Manage	e : Bhavisha Pandya			Desi	gnati	on : Sr. Chemist		

Name : Bhavisha Pandya

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	TEST REPORT FORMAT - STACK	
THE OWNER OF THE PART OF THE	Isque No.: 02	Revision No.: (13
DOC: NO:: LAB-FMT-052	Issue Data: 01 01 2015	Revision Date: 01:03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/23

NOTE:

SAMPLE DETAILS

				PLE DETAILS			
*	Pin code-392140.	No 1, GIDC Vilay	at I	industrial Esta	ite,Bharuch,PO-Villa	vat Taluka-Vagra.Gujarat.	
	Sample ID: 2147888246 - 120MY22SE11		3	Client Re	epresentative: Mr.Vi	kas Valand	
	Sample Date: 19.05.2022	200000000000000000000000000000000000000	3			leaching Powder Plant	
	Sampling Time: 14:45 hr				g Duration: 15 Mins		
8.	Analysis commenced on: 24.05.2022		-	The second secon	Analysis Completed on : 24.05.2022		
	Reporting Date: 02.06.2022		_	Contract of the Contract of th	Discipline: Chemical		
12.	Sample Collected By: Mr.	vimal Chauhari		13. Group: Atmospheric Pollution			
14.	Sampling Procedure: IS M	ethod			: Stack Emission	Indiana partecia de la companya del companya del companya de la co	
16.	Description of Sample:	Sampling Bottles	: 5	saled V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 2	4.05,2022					
	No. of the last of	-1000 com to the 1000 com	ST/	CK DETAILS	2		
S.No.	Parameters	Unit (SI)			Descrip	ption	
1.	Source		1	: Stable Bleaching Powder Plant			
2.	Heicht	m		35			
3.	Diameter	mm	3	200			
4.	Temperature	t _C	1	39			
5.	Velocity	m/s	1:	=			
6.	Type of fuel used		1	N.A.			
7.	Quantity of fuel used		13	N.A.			
<u>S</u> ,	Parameters	<u>Unit (51)</u>		Rosults	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HOL	mg/Nm³	1	5.92	20	APHA 23 rd Edition: 4500 - GI C	
Rema	ark: Oral.						
Auth	orized By -			Lacrongrant	and the control of th		
Name	e : Bhavisha Pandya	- was a second		Designa	otion : Sr. Chemist	al of the laboration.	

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Re analysis of sample will be done, if requested within 2 days from the date of Reporting of sample if the samples are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details.END OF REPORT----

	TEST REPORT FORMAT - STACK	
and the same and	todae No.; 02	Revision No.: 03
DOC, NO.: LAB-FMT-052	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/24

SAMPLE DETAILS

		570	-	PLE DETAIL	The state of the s			
20	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.	M/s. Grasim Ind No 1,GIDC Vilay	at 1	Industrial Es	tate,Bharuch,PO-Villa	ıyat Taluka-Vagra.Gujarat.		
2	Sample ID: 2147888246 -	120MY22SE12	3		Representative: Mr.V			
	Sample Date: 19.05.2022	ample Date: 19:05.2022		(Old Po	Sampling Location: Poly Aluminium Chloride Plant (Old Powder Plant)			
6.	Sampling Time: 12:40 hr		12	7. Sampli				
	Analysis commenced on: 3	24.05.2022	13					
10.	Reporting Date: 02.06.20.		10		Discipline: Chemical			
12.	Sample Collected By: Mr.		100	13. Group: Atmospheric Pollution				
14.	Sampling Procedure: IS M	lethod	13	15. Product: Stack Emission				
16.	Description of Sample:		: 5	ealed v	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 24.05.2022							
2001			STA	ACK DETAI	LS			
S.No.	Parameters	Unit (SI)			Descri			
10	Source			Poly Alumi	nium Chloride Plant	(Old Powder Plant)		
2.	Height	m		35				
3.	Diameter	mm	1	350				
4.	Temperature	96	12	40				
5.	Velocity	m/s	13					
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used		1:	N.A	W	-		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HOL.	nog/Nm³	1	2.70	20	АРНА 23 [™] Edition: 4500 - СП		
Rem			70.7					
1,500000	orized By -							
100000000000000000000000000000000000000	e . Physicha Pandya			Design	ation : Sr. Chemis	E)		

Name : Bhavisha Pandya

Designation : Sr. Chemist

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The results reported above relate to the sample identified under Sample Details.

END OF REPORT.

	TEST REPORT FORMAT - STACK	
THE RESERVED AND ADDRESS.	Issue No.: 02	Revision No.: 83
DOC. NO.; LAB-FNT-052	Panic Date: 01-01-2015	Revision Date: 01.03.2021
Effective Date: 01.03.2021	FRENCH CACHEL ON THE STATE	Page 1 of

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/25

CAMPLE DETAILS

				PLE DETAIL				
\$2	Name & Address of Clent "Caustic Plant-Vilayat" Pk Pin code-392140.	: M/s. Grasim Ind at No 1,GIDC Vilay	ustr rat T	industrial Es	tate,Bharuch,PO-Villa	yat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2147888246	- 120MY225E13	3	3. Client	Client Representative: Mr.Vikas Valand			
	Sample Date: 19.05.2022		100	(New P	Sempling Location: Poly Aluminium Chloride Plant (New Powder Plant)			
6.	Sampling Time: 12:35 hr			7. Sampli	ing Duration: 15 Mins			
8.	Analysis commenced on: 24.05.2022			9. Analys	is Completed on: 24	.05.2022		
	Reporting Date: 02.06.2022		12		ine: Chemical			
12.	Sample Collected By: Mr.	Vimal Chauhan	1 3		: Atmospheric Pollutio	n		
14			1	L5. Produ	ct: Stack Emission			
16.	Description of Sample:	Sampling Bottles	s: S	ealed √ Thimble:Packed Bladder: Clamped				
	Sample Received Date: 2	4.05.2022		CK DETAL	LS			
S.No.	Parameters	Unit (SI)			Descri	etion		
1.	Source			Poly Alumi	nium Chloride Plant	New Powder Plant)		
2.	Height	m	13	35				
3.	Diameter	mm	1	350				
	Temperature	90	Te	42				
	remperouse.	m/s	15					
4,	Malority	1117.9	40.00					
5.	Velocity Type of firel used	11/9	Ť	N.A				
5. 6.	Type of fuel used	111/3:	1	N.A N.A	lw			
5.		unit (SI)	2	1.000	Specification/ SPCB Norms/ BIS Standards	Method Used APHA 23 rd Edition: 4500 - CL		

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Designation: Sr. Chemist

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The results reported above relate to the sample identified under Sample Details.
 END OF REPORT.

	TEST REPORT FORMAT - STACK	
THE RESERVE OF THE PARTY OF THE	Tosse No.: 02	Revision No.: 03
DOC, NO.: LAB-FMT-052 Effective Date: 01.03.2021	Issue Dato: 01-01-2915	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY 22/120/26

SAMPLE DETAILS

140	Name & Address of Client	M/c Grasim Ind	ish	ies Ltd Ct	emical Division.			
	Name & Address of Clent. "Caustic Plant-Vilayat" Plo Pin code-392140.	t No 1,GIDC Vilay	at I	industrial Es	tate,Bharuch,PC-Villa	yot Taluka-Vagra.Gujarat.		
2.	Sample ID: 2147888246 -	120MY225E14	1	3. Client	Client Representative: Mr.Vikas Valand			
	Sample Date: 19.05.2022	mple Date: 19.05.2022		5. Sampli Plant)	Sampling Location: Poly Aluminium Chloride Plant (Liq Plant)			
6.	Sampling Time: 12:30 hr				ing Duration: 15 Mins			
	Analysis commenced on: 24.05,2022				is Completed on: 24	.05.2022		
	Reporting Date: 02.06.2022			1. Discip	ine: Chemical			
12.	Sample Collected By: Mr. Vimal Chauhan				: Atmospheric Pollution	on		
14.	Sampling Procedure: IS N	iethod		L5. Produc	ct; Stack Emission			
16	Description of Sample:	Sampling Bottles	: 5	ealed v	Thimble:Packed V	Bladder: Clamped		
17.	Sample Received Date: 7	4.05.2022						
17.	Sample Westerned Dates		STA	CK DETAI	LS			
S.No.	Parameters	Unit (SI)	Description					
1.	Source			Poly Alum	intum Chloride Pla	nt (Liquid Plant)		
2.	Height	m	1.5	35				
3.	Diameter	mm	[3]	350				
4.	Temperature	90	1	40				
5.	Velocity	nn/s	1.0					
6.	Type of fuel used		÷	N.A				
7.	Quantity of fuel used		15	N.A				
S.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1	HCL	mg/Nm³	1	2.16	20	APHA 23rd Edition: 4500 - CI		
Rema	ark: ark		771					
100000000000000000000000000000000000000	orized By -							
The State of	e : Bhavisha Pandya			Design	ation : Sr. Chemis			

Name : Bhavisha Pandya

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	TEST REPORT FORMAT - STACK	
HAR NO LANGUE ACT	Tease No.: 02	Revision No : 03
DOC. NO.: LAB-FMT-052	Tasue Date: 01-01-2015	Revision Date: 01.03.2021
Effective Date: 01:03:2021		Page 1 c



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/02 (ULR- TC709922000010524F)

3777		5	2000	PLE DETAIL				
1,	Name & Address of Client: Name & Address of Client: Name Plant-Vilaya!" Plot I Pin code-392140.	1/s. Grasim Inc No 1/GIDC Vila	iusi yat	Industrial Est	ate, Bharuch, PO-Villaya			
2.	Sample ID: 2147888246 - 1	D: 2147888246 - 120MY22SE02			Client Representative: Mr. Vikas Valand			
4.	Sample Date: 20.05.2022	05.2022			ng Location: D.G.Set -	1		
6.	ampling Time: 11:30 hr				ng Duration: 20 Mins			
8.	Analysis commenced on: 24.05.2022				s Completed on : 24.0	5.2022		
10.	Reporting Date: 02.06.2022			Committee of the Commit	ne: Chemical			
12.	Sample Collected By: Mr. Vi	mal Chauhan	man between		Atmospheric Pollution			
14.	Sampling Procedure: IS Me	thod	_	15. Product: Stack Emission		7		
16.	Description of Sample: S	ampling Bottle	5: 5	ealed v	Thimble: Packed V	Bladder: Clamped		
17.	Sample Received Date: 24.6	05.2022	460	on their consequent				
		X	ST	ACK DETAIL	S			
S.No.	Parameters	Unit (SI)		Description				
1.	Source		1	D.G.Set - 3				
2	Height	m	13	36				
3.	Diameter	mm	12	450				
4.	Temperature	PC PC	3	134				
5.	Velocity	m/s	13	6.4				
6.	Type of fuel used	5000011555		HSD				
7.	Quantity of fuel used	lit/hr	13	600				
S. No.	Parameters	Unit (SI)		Results	SPCB Norms/ BIS Standards	Method Used		
1.	Porticulate Matter	mg/Nm ³	1.5	45	150	15 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	ppm	1:	20.17	100	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	ppm	18	10.95	50	IS 5182 (Part 6) :2006		
Rema	ark:	1000	-					
THE RESERVE OF THE PERSON NAMED IN	arrand By - (NED)		-					

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re-analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples

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The results reported above rolate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK					
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/03 (ULR-TC709922000010525F)

			30.00	PLE DETAIL				
	Name & Address of Client: M "Caustic Plant-Vilayat" Plot N Pin code-392140.	/s Grasim Ind to 1,GIDC Vila	yat	Industrial Esta	nte,Bharuch,PO-Villaya			
2.	Sample ID: 2147888246 - 120MY22SE03							
	Sample Date: 20.05.2022			Charles and the Control of the Control	g Location: D.G.Set -	2		
	Sampling Time: 12:05 hr				g Duration: 20 Mins			
	Analysis commenced on: 24,05,2022			And in column 2 is not a second or second	Completed on: 24.05	2022		
	Reporting Date: 02.06.2022				ne: Chemical			
	Sample Collected By: Mr. Vimal Chauhan			13. Group:	Atmospheric Pollution			
14.	Sampling Procedure: IS Meti	nod	113	Product	Stack Emission			
	Description of Sample: Sa	impling Bottle	s: S	ealed v	Thimble: Packed v	Bladder; Camped		
	Sample Received Date: 24.0	5.2022		500000000000000000000000000000000000000				
			ST	ACK DETAILS	2			
S.No.	Parameters	Unit (SI)		Description				
1.	Source		16	D.G.Set - 2				
2	Height	m		36				
3.	Diameter	mm		450				
4.	Temperature	PC PC	13	140				
5.	Velocity	m/s	3	6.4				
6.	Type of fuel used	-1800	13	HSD				
7.	Quantity of fuel used	lit/hr	13	500				
S. No.	Parameters	unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
L	Particulate Matter	mg/Nm ³		42	150	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	ppm		17.54	100	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (NOx)	ppm	:	11.91	50	IS 5182 (Part 6) :2006		

Authorized By -Name: Bhavisha Pandya

MOTE:

Designation : Sr. Chemist

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Re analysis of rample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during enalysis.

The results reported above relate to the comple identified under Sample Details.

....END OF REPORT-----

100	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Frective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/04 (ULR- TC709922000010526F)

					DETAILS		
L	Name & Address of Client: N "Caustic Plant-Vilayat" Plot N Pin code: 392140.	lo 1,GIDC Vila	yat	Indus	trial Esta	te, Bharuch, PO-Villaya	
2.	Sample ID: 2147888246 - 1	20MY225E04		3.	Clent Representative: Mr.Vikas Valand		
4.	Sample Date: 20.05.2022			5.	Sampling Location: D.G.Set - 3		
6.	Sampling Time: 12:40 hr			7.		Duration: 20 Mins	
8.	Analysis commenced on: 24.05.2022		13	9.		Completed on: 24.05	.2022
10.	Reporting Date: 02.06.2022		15	11,	market of the season of the season of	e: Chemical	
12.	Sample Collected By: Mr. VI	mal Chauhan		13:		Atmospheric Pallution	
14.	Sampling Procedure: IS Met	hod	100	15. Product: Stack Emission			
16.	Description of Sample: Si	ampling Bottler	: S	ealed	¥.	Thimble: Packed V	Bladder: Clamped
17.	Sample Received Date: 24.0	5.2022					
			STA	ACK E	ETAILS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source		1	D.G.Set - 3			
2.	Helght	m		36	XV-11-13-13-13-13-13-13-13-13-13-13-13-13-		
17.0		COMM		450			
3.	Diameter	mm	1.0	450			
3.	Diameter Temperature	90	i	142			
10.00			1				
4.	Temperature: Velocity	96	3 3	142 6.3 HSD	80		
4. 5.	Temperature	96	-	142 6.3	DV	According to	
4, 5. 6.	Temperature Velocity Type of fuel used	%c m/s	1	142 6.3 HSD 600	esults	Specification/ SPCB Norms/ BIS Standards	Method Used
4. 5. 6. 7.	Temperature Velocity Type of fuel used Quantity of fuel used	oc m/s lit/hr	1	142 6.3 HSD 600		SPCB Norms/ BIS Standards 150	IS 11255 (Part 1): 1985
4. 5. 6. 7. S. No.	Temperature Velocity Type of fuel used Quantity of fuel used Parameters Particulate Matter	%c m/s lit/hr Unit (SI)		142 6.3 HSD 600 8	esults	SPCB Norms/ BIS Standards 150 100	IS 11255 (Part 1): 1985 IS 11255 (Part 2): 1985
4, 5, 6, 7, S, No.	Temperature Velocity Type of fuel used Quantity of fuel used Parameters	%c m/s lit/hr unit (SI) mg/Nm ³		142 6.3 HSD 600 8	esults 39	SPCB Norms/ BIS Standards 150	IS 11255 (Part 1): 1985

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Be analysis of sample will be done, if requisited within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The rusults reported above relate to the cample identified under Sample Details.END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Tysue Date: 01-01-2015	Reyis on Date: 01:03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/05 (ULR- TC709922000010527F)

1000								
2000	Name 8. Address of Client: M "Caustic Plant-Vilayat" Plot N code-392140.	/s. Grasim Inc o 1,GIDC Vila	dust yat	Industrial E	state,Bharuch,PO-Villayat			
Z.	Sample ID: 2147888246 - 12	20MY22SE05	13		Clent Representative: Mr.Vikas Valand			
	Sample Date: 20.05,2022		13		ling Location: D.G.Set - 4			
	Sampling Time: 13:00 hr				ling Duration: 20 Mins	- plate to		
	Analysis commenced on: 24.05.2022		13		sis Completed on; 24.05.	2022		
10.	Reporting Date: 02.05.2022			And the second s	line: Chemical			
	Sample Collected By: Mr. Vin	nal Chauhan		The second second second	: Atmospheric Pollution			
14.	Sampling Procedure: IS Meth			15. Product: Stack Emission				
16.	Description of Sample: 5a	mpling Bottle	s: S	ealed v	Thimble: Packed V	Bladder: Clamped		
17.	Sample Received Date: 24.0	5.2022		A STATE OF THE STA				
- Martin Consulta		13	STA	CK DETAI	LS			
11505	Parameters	Unit (SI)		Description				
S.No.	Latania vols	CALLEY FOREST			the standard of the state	3.5		
5.No.	Source	Crime (and)	18	D.G.Set -				
1.		m		D.G.Set -				
3600 (300)	Source		18			M 1		
1. 2.	Source Height	m	1	11 450 140				
1. 2. 3.	Source Height Diameter	m mm		11 450				
1. 2. 3. 4. 5.	Source Height Diameter Temperature	ac mm	1	11 450 140 6.3 HSD				
1. 2. 3. 4. 5.	Source Height Diameter Temperature Velocity	ac mm		11 450 140 6.3	4			
1. 2. 3. 4. 5.	Source Height Diameter Temperature Velocity Type of fuel used	m/s mm	1 1 3	11 450 140 6.3 HSD		Method Used		
1. 2. 3. 4. 5. 6. 7.	Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used	m mm %c m/s	1 1 3	11 450 140 6.3 HSD 600	Specification/ SPCB Norms/ pris Standards	Method Used IS 11255 (Part 1):		
1. 2. 3. 4. 5. 6. 7. S. Ns.	Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters Particulate Matter	m mm %c m/s lit/hr Unit (SI)	10 10 10 10	11 450 140 6.3 HSD 600 Results	Specification/ SPCB Norms/ BIS Standards	Method Used 15 11255 (Part 1): 15 11255 (Part 2):		
1. 2. 3. 4. 5. 6. 7. Sa	Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters	m mm ec m/s lit/hr Unit (SI)		11 450 140 6.3 HSD 600 Results	Specification/ SPCB Norms/ pris Standards	Method Used IS 11255 (Part 1):		

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

1	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021



(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: MAY22/120/06 (ULR- TC709922000010528F)

970			CONTRACTOR NAMED IN	PLE DETA					
i.	Name & Address of Client: M/s. Grasim Industries Ltd., - Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra Gujarat. Pin code-392140.								
2.	Sample ID: 2147888246 - 1	120MY22SE06	13		Representative: Mr.Vik				
4.	Sample Date: 20.05.2022	O CONTRACTOR OF THE OWNER.		A CONTRACT OF THE PARTY OF THE	ling Location: D.G.Set -	5			
6.	Sampling Time: 14:00 hr		1.3		ling Duration: 20 Mins	(People)			
8.	Analysis commenced on: 24	4.05.2022			sis Completed on: 24.0	5.2022			
10.	Reporting Date: 02.06.202		3		line: Chemical				
12.	Sample Collected By: Mr. V		-	Control of the Contro	o: Atmospheric Pollution	l'			
14.	Sampling Procedure: IS Me	thod	-	737.4	ict: Stack Emission	The Contract of Contract			
16.	Description of Sample: 5	ampling Bottle	5: 5	ealed v	Thimble:Packed V	Bladder: Clamped			
17.	Sample Received Date: 24.	05.2022	-		THE				
		200000000000000000000000000000000000000	STA	ACK DETAI	LS				
S.No.	<u>Parameters</u>	Unit (SI)			Descript	tion			
1.	Source			D.G.Set -	5				
2.	Height	m	14	11					
3.	Diameter	mm	85	450					
4.	Temperature	oC.	1	146					
5.	Velocity	m/s	13	6.3					
6.	Type of fuel used		1	HSD					
7.	Quantity of fuel used	lit/hr	3	600					
<u>S.</u> No.	Parameters	<u>Unit (51)</u>		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
1.	Particulate Malter	mg/Nm ³	13	50	150	IS 11255 (Part 1): 1989			
2.	Sulphur Dioxide(SO ₂)	ppm	1:	21.93	100	IS 11255 (Part 2): 1985			
3.	Oxides of Nitrogen (NOx)	ppm	T:	12.19	50	IS 5182 (Part 6) :2006			
Rema	ark: A.a.	10/10	-						
A. C.	orized By -								
100000000000000000000000000000000000000	e : Bhayisha Pandya			Design	nation : Sr. Chemist				

Name : Bhavisha Pandya

Reports may be reproduced, if required, but only in full and only with written approval of the letter dury.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details:END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Medive Date: 91.03.2021	Issue Date: 01-01-2015	Revision Bate: 01.03.2021

Page 1 of 1



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/27 (ULR-TC709922000012567F)

SAMPLE DETAILS

1.	Name & Address of Client. "Caustic Plant-Vilayat" Plot					-Vagra:Gujarat.Pin code-	
2.	Sample ID: 2252908246 1133N22AQ01				Clent Representative: Mr. Vikas Valand		
4.	Sampling Date: 17.06.202	1000		5.	Sampling Location: Nr. Al	uminum Plant	
6.	5- 55- 4- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5-				Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 20.06,2022				Analysis Completed on : 20.06.2022		
10.		market and a second second second second second		11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Vimal Chauh	an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air		
16.			Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	Environment Condition:	Temp: Normal	Humidity: Me	Siam	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Directions	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	20.06.2022	Contract of the Contract of th		A Secretary of the Control of the Co		

TEST RESULTS

<u>5.</u> No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	<u>Method Used</u>
1.	PMia	up /m³	13	52	100	IS 5182 (Part 23): 2006
2.	PM 25	pg/m³	1	- 13	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (\$0 ₂)	μg /m*	1	9.50	80	15-5182 (Port 2") : 2021
4.	Ovides of Mitrogen (NO _K)	rg /m³	1	17.96	80	IS 5182 (Part 6.): 2006
5.	CLi	ug /m ³	3	1.77	100	IS 5182[Part 19]: 1982
6.	Ammonia (NH)	μg /m ³		1.22	400	Guidelines By CPCB(Val-1)
7,	H ₂ S	ag /m³	31	N.O.	500	TS 5182 (Part 7): 1973

Remark: N.D. - Not Retected.

Authorized By - Name : Bhavisha Pandya

Designation : Sr. Chemist

NOTE:

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples
 are not concurred during analysis.

TEST REPORT FORMAT - AMBIENT							
DOC: NO.: LAB FRT-651	Issue No.: 02	Revision No.: 03					
Effective Date: 01.03.2021	Ispue Date: 01-01-2015	Revision Date: 01.03.2021					



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/28 (ULR-TC709922000012568F)

SAMPLE DETAILS

1,	Name & Address of Client: "Coustic Plant-Vilayat" Plot	: M/s. Grasim Inc t No 1,GIDC Vila	dustries Ltd.,• (yat Industrial E	Chemic state, f	al Division. Sharuch, PO-Villayat Talluka	-Vagra Gujarat Pin code-	
2	Sample ID: 2252908246	-113JN22AQ02		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 17.06.202	2		5.	Sampling Location: Nr.PA	C Plant	
6.					Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 20.06.2022				Analysis Completed on: 20.06.2022		
10.		A100 10		11.	Discipline: Chemical		
12.	The state of the s		ап	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod		15,	Product: Ambient Air	MONTH AND	
	A STATE OF THE PARTY OF THE PAR		Bottles: Sealed	V	Fister Paper, Packed V	Bladder: Clamped √	
17.		Temp: Normal	Humidity: Me	dium:	Wind speed: Smooth	Cloud cover: Clear sky	
200	Rain: No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	20.06.2022					

TEST RESULTS

5. No.	Parameters:	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PMia	ug /m²	1	63	100	IS 5182 (Part 23): 2006
2.	PM 15	μg/m³		17	60	Guidelines By CPCB(Vol-1)
3.	Suphur Dioxide (SO ₂)	µg /m²	Ξ	6.94	80	15 3182 (Part 2) : 2001
4.	Oxides of Nitrogen (NOv)	ug /m³		15.87	80	15 5182 (Part 6) : 2006
5.	Q ₂	pig /m³	1	2.21	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	pg /m²		3.06	400	Guidelines By CPCB(Vol-1)
7.	HIS	pg /m²	18	M.D.	500	15 5182 (Part 7): 1973

Remark: N.D. - Not Detected.

Authorized By -Name : Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- The results reported above relate to the sample identified under Sample Details.

END OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	VT .
DOC, NO.: LAB FMT 051	Issue No.: 02	Rovision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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Phone: (0) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/29 (ULR-TC709922000012569F)

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Vilayat" Plo					-Vagra.Gujarat.Pin code-						
2.	Sample ID: 2252908246	- 1133N2ZAQ03		3.	Client Representative: Mr. Vikas Valand							
4.	Sampling Date: 18.06.202	2		5.	Sampling Location: Nr.Main Gate							
6.	Sampling time: 11:00 hr				Sampling Duration: 24 Hrs							
8.	Analysis commenced on: 20:06,2022				Analysis Completed on : 20.06.2022							
10.	Reporting Date: 01.07.3	7.5C-1276		11.	Discipline: Chemical							
12	Sample Collected By: M	r. Vimal Chauh	ian	13.	Group: Atmospheric Pollution							
14.	Sampling Procedure: IS M			15.	Product: Ambient Air							
16.	Description of Sample:	Sampling	Bottles: Scoled	√	Filter Paper: Packed √	Bladder: Clamped √						
17.	Environment Condition:	Temp: Normal	Hunsidity: Me	dium	Wind speed: Smooth	Cloud cover: Clear sky						
	Rain: No Rain	Wind Direction:	: Up wind		Wind blowing from: -	Station category: Industrial						
18.	Sample Received Date:	20.06.2022	Tell (100)	Sample Received Date: 20.06.2022								

TEST RESULTS

S. Ne.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PMin	µ9 /m³	3	49	100	IS 5162 (Part 23) : 2006
2.	PM 2.5	μ <u>α</u> /m²	1	19	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	μg /m ³	13	7.45	80	IS 5182 (Part 2): 2001
H.	Oxides of Nitrogen (NOx)	μg /m²	3	14.97	80	IS 5182 (Part 6) : 2006
5.	CL2	μg /m³		1.33	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	jig /m³	1	1.99	400	Guidelines By CPCB(Vol-1)
7.	HoS	μg /m³	43	N.D.	500	15 5162 (Part 7): 1973

Remark: N.D. - Not/Detented.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during enalysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	AT:
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/30 (ULR- TC709922000012570F)

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Villayat" Plo					-Vagra Gujarat Pin code-	
2	Sample ID: 2252908246	- 113JN22AQ04		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 18.06.202	2		5.	Sampling Location: Nr. Marketing Yard		
6.	Sampling time: 11:30 hr.			7.	Sempling Duration: 24 Hrs		
8.	Analysis commenced on: 20.06.2022				Analysis Completed on : 20.06.2022		
10.	Reporting Date: 01.07.	The state of the s		11.	Discipline: Chemical		
12.	Sample Collected By: M		an	13.	Group: Atmospheric Pollution		
14.				15.	Product: Ambient Air	CONTROL SET IN THE SECOND	
16.	Description of Sample:	The state of the s	Bottles: Sealed	V	Filter Paper: Packed V	Bladder: Clamped v	
17.	Environment Condition:	Temps Normal	Humidity: Med	ium	Wind speed: Smooth	Cloud cover: Clear sky	
1300	Rain: No Rain	Wind Directions	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	20.06.2022					

TEST RESULTS

S. No.	Parameters	Unit (51)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1_{V}	PPU	pig /m³	91	55	100	1S 5182 (Part 23) : 2006
2.	PM 25	μg /m³	9	111	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dicxide (SOi)	µ9 /m³		5.84	80	1\$ 5182 (Part 2) : 2001
4.	(NOx)	pg /m³	4	16.01	60	15 5182 (Part 6.): 2006
5.	CL	по /m³	1	2.66	100	IS \$182(Part 19): 1982
6.	Ammonia (NHs)	μg /m³	1	3.48	400	Guidelines By CPCB(Vol-1)
7.	H ₂ 5	pg/m²		N.U.	500	15 5182 (Part 7): 1973

Name : Bhavisha Paridya NOTE

Designation : Sr. Chemist

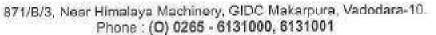
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2) Re analysis of sample will be done, if requested within 7 days from the laboratory. Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details. END OF REPORT

TEST REPORT FORMAT - AMBIENT							
DOC. NO.: LAB FRIT 051	Issue No.; 02	Revision No.1 03					
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021					

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/31

SAMPLE DETAILS

1,	Name & Address of Client: "Caustic Plant-Vilayat" Plot	The state of the s			Section 1997 (Contract of Contract of Cont	-Vagra Griarat Pin code-	
2.	Sample 1D: 2252908246 -		77	3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 17.06.2022				Sampling Location: Nr. Al	luminum Plant	
6.	The state of the second st			7.	Sampling Duration: 24 Hrs		
В.	Analysis commenced on: 20.06,2022			9.	Analysis Completed on: 20.06.2022		
10.	Reporting Date: 01.07.2	The state of the s		11,	Discipline: Chemical		
12.	Sample Collected By: M	r. Vimal Chauh	an	13.	Group: Atmospheric Pallution		
14.	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	Y	Filter Paper: Packed V	Bladder: Clamped V	
17.	Environment Condition:	Temp: Normal	Humidity: Me	dun	Wind speed: Smooth	Cloud cover: Clear sky	
	Bain: No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category: Industria	
18.	Sample Received Date:	20.06.2022					

TEST RESULTS

<u>5.</u> No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	00	ша /m³	1	719	5000	1S 5182(Part 10): 1999
2.	HCL	μg /m³	1	3.64	200	APHA 23rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg/m²	13	N.O.	160	IS 5182(Part 21): 2001
4	ME	ug /m³	1	0.82	60	IS 5182 (Part 13): 1001
5/	CSs	119 /m ³	1	N.D.	2000	IS 5182 (Part 20): 1982

Authorized By -Name : Shavisha Pandya

NOTE

1)

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Re enalysis of sample will be done, if requested within 2 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relete to the sample identified under Sample Details.

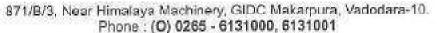
--- END OF REPORT-----

Designation: Sr. Chemist

TEST REPORT FORMAT - AMBIENT						
DOC: NO.: LAB-FMT-051	Issue No.: 02	Revision No.1 03				
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Dates 01,03,2021				

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/32

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot					-Vagra.Gujarat.Pin code-	
Z.	Sample ID: 2252906246	-113JN22AQ02		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 17.06.2022				Sampling Location: Nr.PA	C Plant	
6.	Sampling time: 11:15 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 20.06,2022			9.	Analysis Completed on: 20.06.2022		
10.	Reporting Date: 01.07.2	A STATE OF THE PARTY OF THE PAR		11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Vimal Chauh	an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod	20000	15.	Product: Ambient Air		
16.	Description of Sample:		Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped v	
17.	Environment Condition:	Temp: Normal	Humidity: Med	lum:	Wind speed: 5mooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	20.06.2022			W.		

TEST RESULTS

		1801108300								
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used				
1/4	CO	μg /m²	13	689	5000	15 5182(Part 10): 1999				
2.	HCL	110 /m ³	13	4.07	200	APHA 23rd Edition 4500 CFC				
3.	Hydrocarbon(HC) NMHC	ug/m³	131	N.D.	160	IS \$182(Part 21): 2001				
4,	HF	μg/m³	1	0.59	60	IS 5182 (Part 13); 1991				
C	CS:	μg /m³	131	N.D.	2000	1S 5182 (Part 20): 1987				
	A CONTRACT OF THE PARTY OF THE		-							

Remark: N.D. - Non-Qetected.

Authorized By -

NOTE:

Name : Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples.

are not consumed thirling analysis.

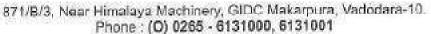
3) The results reported above relate to the sample identified under Sample Details.

----END OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	(T)
DOC: NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Dates, 01.03,2025	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/33

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot					-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252906246 -	- 113JN22AQ03		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 18.06.202	2		5.	Sampling Location: Nr.Ma	in Gate	
6.	Sampling time: 11:00 hr				Sampling Duration: 24 Hr	5	
8,	Analysis commenced on: 20.06,2022			9.	Analysis Completed on: 20.06,2022		
10.	Reporting Date: 01.07.2	2022		11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Vimal Chauh	an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod	18901	15.	Product: Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped y	
17.	Environment Condition:	Temps Normal	Humdty: Medius		Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	20.06.2022			10		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	CO	μg/m²	51	019	5000	15 5182(Port 10): 1999
2	HCL	ug/m³	3	3.21	200	APHA 23rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m²	31	N.O.	160	IS \$182(Part 21): 2001
4.	19	μg /m²		0.96	99	15 5182 (Part 13): 1991
5.	CS>	ug /m³		N.D.	2000	IS 5162 (Part 20): 1982

Remark: N.D. - Nor Detected.

Authorized By - 🥀

Name : Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

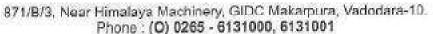
3). The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT------

TEST REPORT FORMAT - AMBIENT							
DOC, NO.: LAB-FMT-0SI	Issue No.: 02	Revision No.: 03					
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Dates 01.00.2021					

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUN22/113/34

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot 392140.					-Vagra.Gujarat,Pin code-	
2.	Sample ID: 2252908246 -	- 113JN22AQ04		3.	Client Representative: Mr	. Vikas Valand	
4.	Sampling Date: 18.06.202	2		5.	Sampling Location: Nr. M	arketing Yard	
6.	Sampling time: 11:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 20.06,2022			9.	Analysis Completed on: 20.06.2022		
10.	Reporting Date: 01.07.2	2022		11.	Discipline: Chemical		
12.	Sample Collected By: M		an	13.	Group: Atmospheric Pollution		
19.	- I was a second control of the second contr		2001	15.	Product; Ambient Air	WO.	
16.	Description of Sample:	Sampling	Bottles: Sealed	V	Filter Paper: Packed v	Bladder: Clamped v	
17.	Environment Condition:	Temp: Normal	Humidity: Me	dum	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	20.05,2022			-		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
T.	CD	.ug /m³	33	696	5000	IS 5182(Part 10): 1999
2.	HCL	11g /m ³	3	4.71	200	APHA 23rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	µg/m²		N.O.	160	IS 5182(Part 21): 2001
4.	HF	11g /m ³	13	0.49	60	1S 51B2 (Part 13): 1991
5.	CS ₂	μg /m ³	1	N.C.	2000	IS 5182 (Part 20): 1982

Remark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re snalysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

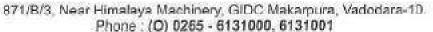
The results reported above relate to the cample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	ATC:
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.103
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: JUN22/113/41

SAMPLE DETAILS

1.	Name & Address of Client: M/s, Grasim Indu	stries U	td.,- Chemical Division. trial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat.
2.	Pincode-392140. Sample ID: 2252908246 – 113JN22HW01	3.	Client Representative: Mr. Vikas Valand
4.	Sample Date: 17.05.2022	5.	Sampling location: Brine Studge
6.	Analysis commenced on: 24.06.2022	7.	Analysis Completed on: 28,06,2022
8.	Reporting Date: 01.07.2022	9.	Sample Collected By: Mr. Vimal Chauhan
10,	Physical Status: Solid	11.	Discipline: Chemical
12,	Sample Category: -	13.	Group; Pollution and Environment
14.	Colour: Brown	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in	polythe	ne bags.v
17.	Sample Received Date: 24.06,2022	districtions.	NEW CONTROL OF THE CO

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH	l l	7.09	N.A.	APHA 23rd Edition 4500-H* B
Ž.	% Moisture Contents	7% :	30.16	N.A.	APHA 23rd Edition 2540 C
3.	COD	gm/kg :	3.92	N.A.	APHA 23rd Edition 5220 B
4.	Cyanide	gm/kg :	N.D.	N.A.	APHA: 23rd Edition 4500 CN: E
5.	Chromium	gm/kg	<0.0002	N.A.	APHA 23 rd Edition 3500 Cr - 8
6.	Copper	gm/kg :	<0.0006	N.A.	APHA 23rd Edition 3111 B
7.	Lead	gm/kg :	₹0.0004	N.A.	APHA 23 rd Edition 3111 B
8.	Nickel	gm/kg :	<0.0004	N.A.	APHA 23rd Edition 3111 B
9.	Zinc	gm/kg	<0.0006	N.A.	APHA 23 rd Edition 3111 B
10.	Total Inorganic Solids	% :	14.96	N.A.	APHA 23 rd Edition 2540 C
11.	Total Alkalinity as CaCo3	gm/kg	2.6	M.A.	APHA 23 rd Edition 2320 B
12.	Phosphate	gm/kg	N.D.	N.A.	APHA 23 rd Edition 4500 P - C

Remark: 5 % leachath solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Mame : Bhavisha Pandya MOTE:

Designation: Sr.Chemist

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The projects of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed.

This results reported allows relate to the saropta identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - SOLID WASTE						
DOC. NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: JUN22/113/42

SAMPLE DETAILS

1	Name & Address of Client: M/s. Grasim Indu	stries U	td.,- Chemical Division. td.,- Chemical Division. trial Estate, Bharuch, PO-Willayat Teluke-Vegra. Gujarët.
2.	Pincode-392140. Sample ID: 2252908246 – 1133N22HW02	3.	Client Representative; Mr. Vikas Valand
4.	Sample Date: 17.05.2022	5.	Sampling location: Phosphoric Acid
6.	Analysis commenced on: 24.06.2022	7.	Analysis Completed on: 28.06.2022
8.	Reporting Date: 01.07.2022	9.	Sample Collected By: Mr. Vimal Chauhan
10.	Physical Status: Solid	11,	Discipline: Chemical
12.	Sample Category: -	13.	Group: Pollution and Environment
14.	Colour: Brown	15.	Product: Solid Waste
16.	Description of sample: Packed and scaled in	polythe	ene bags.√
17.	Sample Received Date: 24.06.2022	-20-00-0	27.4 K-24.5 K-2

TEST RESULTS

S.No.	<u>Parameters</u>	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH		6.87	N.A.	APHA 23rd Edition 4500-H+ B
2.	% Moisture Contents	% :	35.66	N.A.	APHA 23" Edition 2540 C
3.	CCD	gm/kg :	4.47	N.A.	APHA 23rd Edition 5220 B
340	Cyanide	gm/kg :	N.D.	N.A.	APHA: 23rd Edition 4500 CN: E
5.	Chromium	gm/kg :	<0.0002	N.A.	APHA 23rd Edition 3500 Cr - B
6.	Copper	gm/kg :	<0.0006	N.A.	APHA 23 rd Edition 3111 8
7.	Lead	gm/kg :	<0.0004	N.A.	APHA 23td Edition 3111 B
8.	Nickel	gm/kg :	< 0.0004	N.A.	APHA 23 rd Edition 3111 8
9.	Zinc	gm/kg :	<0,0006	N.A.	APHA 23 rd Edition 3111 B
10.	Total Inorganic Solids	% :	18.16	N.A.	APHA 23 rd Edition 2540 C
11.	Total Alkalinity as CaCo3	gm/kg :	1.4	N.A.	APHA 23 rd Edition 2320 B
12.	Phosphate	gm/kg :	0.13	N.A.	APHA 23 rd Edition 4500 P - C

Remark: 5 % leachers solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Name : Bhavisha Pandya

Designation : Sr.Chemist

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Re gratesis of sergule will be done, if requested within 7 tinys from the done of Reporting of sample if the samples are not consumed. during analysis.

The rations reported above relate to the comple identified under Comple Details. -----END OF REPORT-----

TEST REPORT FORMAT - SOLID WASTE						
DDC. NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01:03:2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: JUN22/113/43 (ULR- TC709922000012575F)

SAMPLE DETAILS

il.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Ind Pincode-392140.	s Ltd.,- Chemi lustrial Estate,	cal Division. Bharuch,PO-Villayat Taluka-Vagra.Gujerat.
2,	Sample ID: 2252908246 - 1133N22N001	3.	Olent Representative: Mr.Vikas Valand
4.	Sampling Date: 17.06.2022	5.	Sample Collected By: Mr. Vimal Chauhan
6,	Analysis commenced on: 17.06.2022	200	Analysis Completed on: 17.06.2022
8.	Reporting Date: 01.07.2022	9.	Sampling Location:
10.	Discipline: Chemical	13.	Sample Received Date: 17.06.2022
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels		

TEST RESULTS

S.	Location		Day	N	ight	Method
No.		Time	Reading dB(A)	Time	Reading dB(A)	
1.	Nr. Main Gate	11:50 hr	52.3	22:00 hr	51.7	IS 9989: 1981
2.	Nr. ALCP Plant	12,00 hr	56.2	22:15 hr	53.2	15 9989: 1981
3.	Nr.PAC Plant	12:15 hr	64.3	22:20 hr	52.3	IS 9989: 1981
4.	Nr.CL2 Area	12:10 hr	54.7	22:25 hr	53.2	IS 9989: 1981
5.	Nr.ETP	12:40 hr	57.5	22:30 hr	56.7	IS 9989; 1981
6.	Near Coal Tippler	12:45 hr	61.3	22:05 hr	59.2	IS 9989: 1981
7.	Fiber Main Gate	13:10 hr	51.Z	22;30 hr	49.8	15 9989; 1981
8.	Fiber Material Gate	13:15 hr	55.3	22:10 hr	51,2	IS 9989; 1981

Authorized By -

Name: Bhavisha Pandya

MOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

Designation: Sr.Chemist

3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT-

	TEST REPORT FORMAT - NOISE	
DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02
Effective Date: 01.07.2020	Issue Date: 01-05-2015	Revision Date: 01.07.2020



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/01 (ULR-TC709922000012553F)

SAMPLE DETAILS

		2	3993	THE D	LIPALL	M 33			
E.	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.								
2.	Sample ID: 2252908246 -	113JN22SE01		3. 0	lient R	epresentative: Mr.\	/ikas Valand		
4.	Sample Date: 17.06.2022			5. 5	amplin	g Location: Caldium	Chloride Plant		
6.	Sampling Time: 14:20 hr	Š.	13	7. 5	Samplin	g Duration: 20 Min	s		
8.	Analysis commenced on:	20.06.2022	10	9. /	Inalysis	Completed on: 20	0.06.2022		
10.	Reporting Date: 01.07.200	22	2	11. I	Disciplin	ne: Chemical			
12.	Sample Collected By: Mr.	Vimal Chauhan	13	13. 0	Group:	Atmospheric Poliub	on		
14.	Sampling Procedure: IS M	iethod		15. F	roduct	: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: 5	Sealed		Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date: 20	0.06,2022							
			ST	ACK DI	TAIL				
S.No.	Parameters	Unit (SI)	П	Description					
10	Source		4	Calciu	Calcium Chloride Plant				
2.	Height	m	1						
3.	Diameter	mm	13	88					
4.	Temperature	o _C	1	73					
5.	Velocity	m/s	12	5.5					
6.	Type of fuel used		4	N.A.					
7.	Quantity of fuel used		13	N.A.					
S. No.	Parameters	Unit (SI)		Kes	alts	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	1	13	5	150	IS 11255 (Part 1): 1985		
Rema	rk: Ow	11 15300-0-1				45774	I Descriptions our satisfactor		
Autho	rized By -								
Name	: Bhavisha Pandya			De	signat	ion : Sr. Chemist			

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.
 END OF REPORT.



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/07 (ULR-TC709922000012559F)

SAMPLE DETAILS

				IPLE DETA	The second secon			
1.	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant Vilayat" Plot No. 1,GEDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.							
2.	Sample ID: 2252908246	- 1133N22SE07	3	Client	Representative: Mr.Vil	kas Valand		
4.	Sample Date: 17.06.2022	2		5. Samp	ling Location: Chlorinate	ed Paraffin Plant		
6.	Sampling Time: 13:20 hr		13	7. Samp	ling Duration: 15 Mins			
8.	Analysis commenced on:	20.06.2022		9. Analy	sis Completed on: 20.	06.2022		
10.	Reporting Date: 01.07.20	022	13	Discip	line: Chemical			
12.	Sample Collected By: Mr	Vimal Chauhan		The second secon	: Atmospheric Pollutio	n		
14.	Sampling Procedure: 15 I	Method		Produ	ct: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:							
erenden M			ST.	ACK DETAI	LS			
S.No.	Parameters	Unit (SI)	f	Description				
1.	Source		1	Chlorinated Paraffin Plant				
2.	Height	m	1	35				
3.	Diameter	mm	2	350				
4.	Temperature	°C	- ;	35				
5.	Velocity	m/s	4	•				
6.	Type of fuel used		2	N,A				
7.	Quantity of fuel used		1	N.A.				
5. <u>No.</u>	Parametera	Unit (51)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Cla	mg/Nm³	1	0.802	9	LAB-SOP-104		
Rema	rk: V	- Conscionation	Anni L					
Autho	rized By -							
Name	: Bhavisha Pandya			Dosign	ation : Sr. Chemist			

NOTE:

Designation : Sr. Chemist Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

its analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

The results reported above relate to the sample identified under Sample Dataits.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB FRIT 652	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.00.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/08 (ULR-TC709922000012560F)

SAMPLE DETAILS

- 4	Number & Address of Chapt		-	trice Ltd - Cl				
133	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1, GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat Pin code-392140.							
2.	Sample ID: 2252908246 -	113JN22SE08	1	3. Client I	Representative: Mr.Vik	kas Valand		
4.	Sample Date: 17.06.2022		1 3	5. Sampli	ng Location: Sodium F	lypo Stack - 1		
6.	Sampling Time: 12:20 hr			7. Sampli	ng Duration: 15 Mins			
8.	Analysis commenced on: 2	20.06.2022	12	9. Analysi	is Completed on: 20.0	06.2022		
10.	Reporting Date: 01.07.202	12	3	11. Discipli	ine: Chemical			
12.	Sample Collected By: Mr.	vimal Chauhan			Atmospheric Pollution	1		
14.	Sampling Procedure: IS M	ethod	13	15. Produc	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: 5	iealed √	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 2	0.06.2022						
		5	5L	ACK DETAIL	5			
S.No.	Parameters	Unit (SI)	L		Description			
1	Source		12	Sodium Hypo Stack – 1				
Z.	Height	100	1.3	35	ESCENSION OF THE			
3.	Diameter	mina	13	450				
4.	Temperature	®C	H	32				
5.	Velocity	m/s	13					
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used		10	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	O ₂	mg/Nm ³	1	1.120	9	LAB-SOP-104		
Rema	rk: (r.V)		4					
Autho	orized By - V							
Name	: : Bhavisha Pandya			Designa	tion : Sr. Chemist	and and all provides on		

NOTE

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 Re enelysis of semple will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Tecuo No.: 02	Revision No.: 03				
Mective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/09 (ULR-TC709922000012561F)

SAMPLE DETAILS

	MAN	the state of the state of the second state of the state o	-	MPLE DETA					
T ₀	Name & Address of Client: M/s, Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra, Gujarat. Pin code-392140.								
2.	Sample ID: 2252908246	- 113JN22SE09	13	3. Client	Representative: Mr. Vik	cas Valand			
4.	Sample Date: 17.06.202	2		5. Sample	ling Location: Sodium I	Hypo Stack - 2			
6.	Sampling Time: 12:40 hr		T	7. Sample	ing Duration: 15 Mins	HORANISATA SUUSACEE			
8.	Analysis commenced on:	20.06.2022		9. Analys	sis Completed on: 20.0	06,2022			
10.	Reporting Date: 01.07.2	022	13	11. Discip	line: Chemical	X1900.632			
12.	Sample Collected By: Mr	Vimal Chauhan	1	13. Group	: Atmospheric Pollutio	1			
14.	Sampling Procedure: IS	Method		15. Produ	ct: Stack Emission				
16.	Description of Sample:	Sampling Bottle	s: S	Sealed V	Thimble:Packed	Bladder: Clamped			
17.	Sample Received Date: 2	20.05.2022	CSON			40.00.000000000000000000000000000000000			
	70	9	ST	ACK DETAIL	LS				
S.No.	Parameters	Unit (SI)			Description				
1.	Source		1	Sodlum H	Sodium Hypo Stack - 2				
2.	Height	m	1.5	35	······································				
3.	Diameter	mm	4	450					
4.	Temperature	°C	13	34					
5.	Yelocity	m/s	1						
6.	Type of fuel used		1	N.A					
7.	Quantity of fuel used		15	N.A	G85	W			
<u>5.</u> <u>No.</u>	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
1,	Cl ₂	mg/Nm ³	3	1.883	9	LAB-SOP-104			
Rema	rk: 🕡					***************************************			
Autho	rized By -								
Name	: Bhavisha Pandya			Designa	ition : Sr. Chemist				

NOTE:

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01:03:2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/10 (ULR-TC709922000012562F)

SAMPLE DETAILS

EE:	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1, GIDC Vilayat Industrial Estate, 8 haruch, PO-Villayat Taluka-Vagra. Gujara							
	"Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vila	iyat	Industrial E	tate, Bharuch, PO-Villay	/at Taluka-Vagra.Gujarat		
2.	Sample ID: 2252908246	- 113JN22SE10		3, Client	Representative: Mr.Vik	kas Valand		
4.	Sample Date: 17.06.202	2	1	5. Sampl	ng Location: Aluminiu	m Chloride Plant		
6.	Sampling Time: 14:00 hr		1	7. Sample	ng Duration: 15 Mins			
8.	Analysis commenced on:	20.06.2022	1	9. Analys	is Completed on : 20.0	06.2022		
10.	Reporting Date: 01.07.2	022	13	11. Discip	ine: Chemical			
12.	Sample Collected By: Mr	. Vimal Chauhan	_	Andrew Control of the	Atmospheric Pollution	T.		
14.	Sampling Procedure: IS	Method		15. Produ	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: 5	Sealed V	Thimble: Packed	Bladder: Clamped		
17.	Sample Received Date:							
		75006587005810	ST	ACK DETAIL	S			
S.No.	Parameters	Unit (SI)	m		Description			
1.	Source		-	Aluminiun	Aluminium Chloride Plant			
2.	Height	m	13	35				
3.	Diameter	mm		350				
4.	Temperature	P _C	h	32				
5.	Velocity	m/s	3	1				
6.	Type of fuel used		li	N.A.				
7.	Quantity of fuel used		4	N:A:				
5. <u>No.</u>	Parametera	Unit (51)		Results	Specification/ SPG8 Norms/ BIS Standards	Methed Used		
1.	Cla	.mg/Nm³	4	0.685	9	LAB-SOP-104		
Rema	rk:	III JUGATA	1-5		hi zz			
Autho	rized By -							
Name and Address of the Owner, where	: Bhavisha Pandya			Designa	tion : Sr. Chemist			

NOTE:

1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re energies of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
OC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
fective Date: 01.03.2023	Issue Deta: 01-01-2015	Revision Date: 01.03,2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.; JUN22/113/11 (ULR- TC709922000012563F)

SAMPLE DETAILS

av I	Name & Address of Clier		-1		Lid Ch			
1	"Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujera Pin code-392140.							
2.	Sample ID: 2252908246	- 113JN22SE11	J	3,	Client R	tepresentative; Mr.Vik	as Valand	
4.	Sample Date: 18.06.202	2		5.	Samplin	g Location: Stable Bl	eaching Powder Plant	
6.	Sampling Time: 14:25 hr	e i		7	Samplin	ng Duration: 15 Mins	entrance.	
8.	Analysis commenced on:	20.06.2022	B	9.	Analysis	s Completed on: 20.0	06.2022	
10.	Reporting Date: 01.07.2	022	1	11.	Disciplin	ne: Chemical		
12.	Sample Collected By: Mr	. Vimai Chauhan		13.	Charles and Control and Address	Atmospheric Pollution	1	
14.	Sampling Procedure: IS	Method		15.	Product	: Stack Emission		
16.	Description of Sample:	Sampling Bottler	5: 5	iealec	1 🗸 🔃	Thimble: Packed	Bladder: Clamped	
17.	Sample Received Date:		0000	and the state of	at composite			
94.2500 100			ST.	ACK	DETAILS	5		
S.No.	<u>Parameters</u>	Unit (SI)			Description			
L	Source		:	Stable Bleaching Powder Plant				
2.	Height	m	3	35				
3.	Diameter	mm	1	200				
4.	Temperature	o ^C	3	42				
5.	Velocity	m/s	1	188				
6.	Type of fuel used		i	N.A				
7	Quantity of fuel used		1	N.A				
S. No.	Parameters	Unit (SI)			saulta	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Cla	rng/Nm³	:		0.472	9	LAB-SOP-104	
Remai	rk: Ow	720407307	1		3 0 1000303		I DOWN THE PROPERTY.	
Autho	rized By -							
Name	: Bhavisha Pandya			I	Pesignat	ion : Sr. Chemist		

....

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample Identified under Sample Details.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-PRT-052	Issue No.: 02	Revision No : 03				
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/12 (ULR-TC709922000012564F)

SAMPLE DETAILS

				A MM. M.M.L.				
31/	Name & Address of Client: M/s. Grasim Industries Ltd., Chemical Division. "Caustic Plant-Vilayat" Plot No 1, GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.							
2.	Sample ID: 2252908246	- 113JN22SE12	13	3. Clien	t Representative: Mr. Vil	kas Valand		
4.	Sample Date: 17.06.202	2	1000	3500 BESSES	pling Location: Poly Alum Powder Plant)	ninium Chloride Plant		
6.	Sampling Time: 13:50 h	r	T	7. Sam	pling Duration: 15 Mins			
8.	Analysis commenced on	: 20.06.2022		9. Anal	ysis Completed on: 20.0	06.2022		
10.	Reporting Date: 01.07.2	022		11. Disci	pline: Chemical			
12.	Sample Collected By: Mi	Vimal Chauhan	П	13. Grou	p: Atmospheric Pollution	nii		
14.	Sampling Procedure: IS	Method		15. Prod	15. Product: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	lealed v	Thimble: Packed	Bladder: Clamped		
17.	Sample Received Date:		ST	ACK DETA	ILS			
S.No.	<u>Parameters</u>	Unit (SI)		Description				
1.	Source		1	Poly Aluminium Chloride Plant (Old Powder Plant)				
2.	Height	m	3	35				
3.	Diameter	mm	1	350				
4.	Temperature	%g	1	34				
5.	Velocity	m/s	1	-				
6.	Type of fuel used	48/3055	3	N.A				
7.	Quantity of fuel used		3	N.A				
5. No.	Parameters	Unit (SI)		Results	Specification / SPCB Norms / BIS Standards	Method Used		
1.	Cla	mg/Nm³	١,	0.668	9	LAB SOP 104		
Rema	rk:	11 20 2000000	1	li Societatio	1	Maria a di Sadiri da tang di Sada		
Autho	rized By -							
Name	: Bhavisha Pandya		6000	Design	nation : Sr. Chemist	Approximation of the second of		
	a construction of married by			7.7710		CENTER OF THE STATE OF THE STAT		

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples:

 are not consumed during analysis.

| TEST REPORT FORMAT - STACK | | DOC. NO.: LAP-FHT-052 | Issue No.: 02 | Revision No.: 03 | | Effective Date: 01.03.2021 | Issue Date: 01-01-2015 | Revision Date: 01.03.2021 |

Page 1 of 1



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/13 (ULR-TC709922000012565F)

SAMPLE DETAILS

		TOTAL STREET,	-	IF EL S			
ı.	Name & Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.			Control of the Control of	The state of the s		vat Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246	- 113JN22SE13		3.	Client P	Representative: Mr.Vik	kas Valand
4.	Sample Date: 17.06.2022				Samplia Powder		ninium Chloride Plant (New
6.	Sampling Time: 13:40 hr			7.	Samplin	ng Duration: 15 Mins	
8.	Analysis commenced on: 20.06.2022			9.	Analysi	s Completed on: 20.0	06.2022
10.	Reporting Date: 01.07.2022			11.	Disopli	ne: Chemical	
12.	Sample Collected By: Mr. Vimal Chauhan			13.	Group:	Atmospheric Pollution	ii.
14.	Sampling Procedure: IS N	lethod		15.	Product	t: Stack Emission	W
16.	Description of Sample:	Sampling Bottle	s: S	caled	V.	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date: 2	0.06.2022					
	1	8	ST.	ACK D	ETAIL:	S	
S.No.	Parameters	Unit (SI)			Description		
1.	Source		3	Poly	Alumii	nium Chloride Plan	t (New Powder Plant)
2.	Height	m	14	35			
3.	Diameter	mm	13	350			
4.	Temperature	PC	14	34			
5.	Velocity	m/s	1				
6.	Type of fuel used	30	13	N.A			
7.	Quantity of fuel used		19	N.A			
S. No.	Parameters	<u>Unit (51)</u>		Bs	sults	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Cl ₂	mg/Nm³	1	0.	493	9	LAB-SOP-104
Rema	rk:	7 2/3/97/0Wh	4131				
Autho	rized By -						
STATE AND DESCRIPTION OF	: Bhavisha Pandya			De	sional	tion : Sr. Chemist	

NOTE:

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 Re analysis of sample will be done. If requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

TEST REPORT FORMAT - STACK							
DOC. NO.: LAB-FMT-052	Issue No : 07	Revision No.: 01					
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021					



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/14 (ULR-TC709922000012566F)

SAMPLE DETAILS

				And the second second			
"Caustic Plant-Vilayat" Pic Pin code-392140.	ot No 1,GIDC Vili	ayat	Indi	istrial Es	tate,Bharuch,PO-Villay	at Taluka-Vagra Gujarat.	
Sample ID: 2252908246 - 113JN22SE14			3.	Client	Representative; Mr.Vik	as Valand	
Sample Date: 17.06.2022			5.	Sampli Plant)	ng Location; Poly Alur	ninium Chloride Plant (Liquid	
Sampling Time: 13:00 hr			7.	Sampli	ng Duration: 15 Mins		
Analysis commenced on: 20.06.2022			9.	Analys	is Completed on: 20.0	06.2022	
Reporting Date: 01.07.2022			11.	Discipl	ine: Chemical	5,655	
Sample Collected By: Mr. Vimal Chauhan				Group	Atmospheric Pollution		
Sampling Procedure: IS N	lethod		15.	Produc	t: Stack Emission	0	
Description of Sample:	Sampling Bottle	s: S	sealed	!√	Thimble: Packed	Bladder: Clamped	
Sample Received Date: 2	0,05,2022					W	
0	3	ST.	ACK	DETAIL	5		
Parameters	Unit (SI)			Description			
Source		3	Pol	y Alumi	nium Chloride Plan	t (Liquid Plant)	
Height	m	1	35				
Diameter	mm	13	350				
Temperature	°C	13	32				
Velocity	m/s	3	E				
Type of fuel used		-3	N.A				
Quantity of fuel used		100	N.A				
Perameters	Unit (SI)		B	esults	Specification/ SPCB Norms/ BIS Standards	Method Used	
Ci2	mg/Nm ³	13	(4)	3,566	9	LAB-SOP-104	
rk:	_1 3052 (AR)	-		-		- Attraction of the section of the s	
rized By -							
: Bhavisha Pandya			I	esigna	tion : Sr. Chemist		
	"Caustic Plant-Vilayat" Pic Pin code-392140. Sample ID: 2252908246 Sample Date: 17.06.2022 Sampling Time: 13:00 hr Analysis commenced on: Reporting Date: 01.07.20 Sample Collected By: Mr. Sampling Procedure: IS N Description of Sample: Sample Received Date: 2 Parameters Source Height Diameter Temperature Velocity Type of fuel used Ouantity of fuel used Parameters G2 rk: rized By -	"Caustic Plant-Vilayat" Plot No. 1, GIDC Vila Pin code-392140. Sample ID: 2252908246 – 113JN22SE14 Sample Date: 17.06.2022 Sampling Time: 13:00 hr Analysis commenced on: 20.06.2022 Reporting Date: 01.07.2022 Sample Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 20.06.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) Co mg/Nm³ rk: rized By -	"Caustic Plant-Vilayat" Plot No. 1, GFDC Vilayat Pin code-392140. Sample ID: 2252908246 - 113JN22SE14 Sample Date: 17.06.2022 Sampling Time: 13:00 hr Analysis commenced on: 20.06.2022 Reporting Date: 01.07.2022 Sample Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample: Sampling Bottles: Sampling Procedure: 20.06.2022 ST. Parameters Unit (SI) Source : Height m : Diameter mm : Temperature °c : Velocity m/s : Type of fuel used : Ouantity of fuel used : Parameters Unit (SI) Co mg/Nm³ :	"Caustic Plant-Vilayat" Plot No. 1, GIDC Vilayat India Pin code-392140. Sample ID: 2252908246 - 113JN22SE14 3. Sample Date: 17.06.2022 5. Sampling Time: 13:00 hr 7. Analysis commenced on: 20.06.2022 9. Reporting Date: 01.07.2022 11. Sample Collected By: Mr. Vimal Chauhan 13. Sampling Procedure: IS Method 15. Description of Sample: Sampling Bottles: Sealed Sample Received Date: 20.05.2022 STACK Parameters Unit (SI) Source : Poh Height m : 35. Diameter mm : 35. Temperature %c : 32 Velocity m/s : - Type of fuel used : N.A Quantity of fuel used : N.A Quantity of fuel used : Mit (SI) R - Quantity of fuel used : Mit (SI) R - Quantity of fuel used : Mit (SI) R - R - Description of Sample: Sampling Bottles: Sealed R : Poh	**Caustic Plant-Villayat** Plot No 1,GIDC Villayat Industrial Es Pin code-392140. Sample ID: 2252908246 - 113JN22SE14 3. Client Sample Date: 17.06.2022 5. Sample Plant) Sampling Time: 13:00 hr 7. Sampling Analysis commenced on: 20.06.2022 9. Analys Reporting Date: 01.07.2022 11. Discipl Sample Collected By: Mr. Vimal Chatinan 13. Group: Sampling Procedure: IS Method 15. Product Description of Sample: Sampling Bottles: Sealed √ Sample Received Date: 20.06.2022 **STACK DETAIL** **Parameters** **Unit (SI)** **Source** **Height** **Diameter** **Diameter** **Diameter** **Diameter** **Diameter** **Diameter** **Temperature** **Pic : 32 **Velocity** **Type of fuel used** **Quantity of f	Sample ID: 2252908246 - 113JN22SE14 3. Client Representative; Mr.Vik Sample Date: 17.06.2022 5. Sampling Location; Poly Alum Plant) Sampling Time: 13:00 hr 7. Sampling Duration; 15 Mins Analysis commenced on: 20.06.2022 9. Analysis Completed on: 20.0 Reporting Date: 01.07.2022 11. Discipline; Chemical Sample Collected By: Mr. Vimal Chauhan 13. Group: Atmospheric Pollution Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed Sample Received Date: 20.03.2022 STACK DETAILS Parameters Unit (SI) Descript Source : Poly Aluminium Chloride Plant Height m : 35 Diameter mm : 350 Temperature °c : 32 Velocity m/s : - Type of fuel used : N.A Quantity of fuel used : N.A Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards G2 mg/Nm² : 0.566 9 rk: rized By -	

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 Re analysis of sample will be done. If requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

 END OF REPORT.

	TEST REPORT FORMAT - STACK	
DOC: NO + LAB-PMT-052	Totue No.: 02	Ravision No.: 03
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/15

SAMPLE DETAILS

Name	e : Bhavisha Pandya			Designa	tion : Sr. Chemist	
Auth	orized By -					
Rema	ork: OrA					
1.	HCI.	rng/Nm³	3	11.05	35	APHA 23rd Edition: 4500 - CI C
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
7.	Quantity of fuel used		:	N.A	p-12-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	
6.	Type of fuel used	10,000	:	N.A		
5.	Velocity	m/s	1	(4).		
4.	Temperature	o _C	3	32		
3.	Diameter	mm		150		
2.	Height:	m		35		
12	Source		4	HCL Stack	1	
S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption
			ST	ACK DETAIL	<u>.5</u>	
17.	Sample Received Date: 2		445	-3154Fe-4100000		
16.	Description of Sample:	The company of the control of the co	s: S	ealed V	Thimble:Packedy	Bladder: Clamped
14.	Sampling Procedure: IS I	Method		15. Produc	ct: Stack Emission	1-10-10-10-1
1.7.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Pollutk	on .
10.	Reporting Date: 01.07.20	122	3	Discipl	ine: Chemical	
8.	Analysis commenced on:		8	The second secon	is Completed on : 20	
6.	Sampling Time: 11:30 hr		1		ing Duration: 15 Mins	
4.	Sample Date: 17.06.2022	7.010.0004.54.0004.0004.00			ing Location: HCL Sta	CHARLEST CONTRACTOR CO
2.	Pin code-392140. Sample ID: 2252908246 - 1133N22SE15			3. Client	Ikas Valand	
1.						syat Taluka-Vagra.Gujarat.

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FNT-052	Tissue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Iosue Date: 01-01-2015	Revision Date: 01,03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/16

SAMPLE DETAILS

1.	Name & Address of Client		rance of		October 10		745200K 81 2520K=30
LIVOCE	"Caustic Plant-Vlayat" Pic Pin code-392140.	t No 1,GIDC VIIa	yat	. Industri	al Est	ate, Bharuch, PO-Villa	iyat Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246	- 113JN22SE16	15	3. C	ient F	Representative: Mr.V	ikas Valand
4.	Sample Date: 17.06.2022	8		5. Sa	mpli	ng Location: HCL Star	k - 2
6.	Sampling Time: 11:40 hr			7. 58	mpli	ng Duration: 15 Mins	
8.	Analysis commenced on:	20.06.2022	1 3	9. Ar	nalysi	s Completed on : 20	.06.2022
10.	Reporting Date: 01.07.20	22	3	11. Di	scipli	ne; Chemical	
12.	Sample Collected By: Mr.	Vimal Chauhan		CONTRACTOR OF THE PARTY OF THE	oup:	Atmospheric Pollutio	on
14.	Sampling Procedure: IS N	lethod	13	15. Pr	oduc	t: Stack Emission	
16.	Description of Sample:	Sampling Bottles	s: S	Sealed √		Thimble:Packed√	Bladder: Clamped
17.	Sample Received Date: 2						
	VI		<u>51.</u>	ACK DE	FAIL	5	
S.No.	Parameters	Unit (SI)		Description			
1.	Source		Į.	HCL Sta	açık —	2	A-00-000
2.	Height	m	1	35			
3.	Diameter	mm	1	150			
4.	Temperature	o ^C	1	34			
5.	Velocity	m/s	3				
6.	Type of fuel used	- Juston	-:	N.A.			
7.	Quantity of fuel used		:	N.A.			
S. No.	Parameters	Unit (SI)		Resul	hs .	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HCL	mg/Nm³	5	12,1	8	35	APHA 23 rd Edition: 4500 - CI C
Rema	irk:	1.0					
Autho	orized By -						
Name	: Bhavisha Pandya			Des	Designation : Sr. Chemist		
STATE OF THE PARTY NAMED IN	The second secon			The second section is a second section of		A REAL PROPERTY AND ADMINISTRATION OF THE PROPERTY ADMINISTRATION OF THE PROPERTY AND	

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3) The results reported above relate to the sample identified under Sample Details.

TEST REPORT FORMAT - STACK							
DOC, NO.: LAB-FNT-052	Issue No.: 02	Ravision No.: 03					
Effective Date: 01/03/2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021					

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/17

SAMPLE DETAILS

	1000 1000 0000 1000		-	MPLE DE			
1.	Name & Address of Clien "Caustic Plant-Vilayat" Plo Pin code-392140.		10000				nyat Taluka-Vagra Gujarat.
2.	Sample ID: 2252908246	- 1133N22SE17		3. Cli	ent Re	epresentative: Mr.V	ikas Valand
4.	Sample Date: 17.06.2022	a'-		5. Sa	mpline	Location: HCL St	ick - 3
6.	Sampling Time: 11:50 hr			7. Sa	mpling	Duration: 15 Min	
8.	Analysis commenced on:	20.06.2022		9. An	alysis	Completed on : 20	.06.2022
10.	Reporting Date: 01.07.20	22	T is	11. Dis	ciplin	e: Chemical	
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Gr	oup: A	Atmospheric Polluti	on
14.	Sampling Procedure: IS N	lethod	13	15. Pro	iducts	Stack Emission	TV
16.	Description of Sample:	Sampling Bottle	s: S	Sealed √		Thimble:Packed y	Bladder: Clamped
17.	Sample Received Date: 2		-0.00	HUNGAYININ ULU	nem cours		
		en e	ST	ACK DET	AILS		
S.No.	Parameters	Unit (SI)		Description			ption
1.	Source		4	HCL Sta	dk - 3		
2.	Height	m	13	35			
3.	Diameter	min	1	150			
4	Temperature	D _C	T.	34			
5.	Velocity	m/s	13	Les			
6.	Type of fuel used			N.A			
7.	Quantity of fuel used		1:	N.A.			
S. No.	Parameters	unit (SI)		Result	5	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HCL	mg/Nm ³	:	12.71		35	APHA 23 rd Edition: 4500 - CI C
Reme	rk:						
Autho	orized By - V						
Name	: Bhavisha Pandya			Desi	gnati	on : Sr. Chemist	

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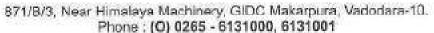
 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.
 END OF REPORT.

TEST REPORT FORMAT - STACK

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/18

SAMPLE DETAILS

	200 12 ROLL ROLL	THE STATE OF THE S		IF CC ULTAI				
1.	Name & Address of Clies "Caustic Plant-Vilayat" Pl Pin code-392140.					yat Taluka-Vagra Gujarat.		
2.	Sample ID: 2252908246 - 1133N22SE18		- 3	Client I	Representative: Mr.V	ikas Valand		
4.	Sample Date: 17.06,202	2		Sampli	ng Location: HCL Sta	ick - 4		
6.	Sampling Time: 12:15 hr		11/	7. Sampli	no Duration: 15 Mins			
8.	Analysis commenced on:	20.06.2022			is Completed on: 20	.06.2022		
10.	Reporting Date: 01.07.2	022	1 8	Control of the Contro	ne: Chemical			
12.	Sample Collected By: Mr		-		Atmospheric Pollutio	oin		
14.	Sampling Procedure: IS	Programme and the second second second	-		t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date: 3							
			ST	ACK DETAIL	S			
5.No.	<u>Parameters</u>	Unit (SI)			Descrip	<u>ation</u>		
1.	Source		3	HCL Stack -	4			
2.	Height	em	4	35	· ·			
3.	Diameter	mm	1	150				
4.	Temperature	®¢.	13	36				
5.	Velocity	m/s	1	-				
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used		1	N.A	an a said			
S. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
12	HCL	mg/Nm³	+	10.66	35	APHA 23 rd Edition: 4500 - Cl C		
Rema	rk:							
Autho	rized By -							
Name	: Bhavisha Pandya			Designa	Designation : Sr. Chemist			

NOTE:

Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. ----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Dates, 01.03-2021	Issue Date: 01-01-2015	Revision Date: 01.03.2031

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/19

SAMPLE DETAILS

	The second secon		INCE DE INT			
					ayat Taluka-Vagra.Gujarat.	
Sample ID: 2252908246 - 113JN22SE19		T	3. Client	Representative: Mr.\	Vikas Valand	
Sample Date: 18.06.202	2		5. Sampl	ing Location: Phospho	oric Acid Plant	
Sampling Time: -			7. Sample	ing Duration: -	DAD-CA AND DOLLA-MATERIAN	
Analysis commenced on:			9. Analys	is Completed on : -	16	
Reporting Date: 01.07.2022			11. Discipi	ine: Chemical		
the state of the s	Committee of the Control of the Cont				on	
Sampling Procedure: IS	Method		15. Produc	t: Stack Emission	0.001.00	
Description of Sample:		5: 5	Sealed V	saled √ Thimble: Packed √ Bladder: Clamped		
Sample Received Date: -						
		ST	ACK DETAIL	S		
<u>Parameters</u>	Unit (SI)			Description		
Source		4	Phosphoric	Acid Plant		
Height	m	1	35	3000000000000000		
Diameter	mm	7	350			
Temperature	°c	÷				
Velocity	m/s	i				
Type of fuel used		1	N.A			
Quantity of fuel used		1	N.A	W.	W	
Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
HCL	.mg/Nm³	¥	18	20	APHA 23rd Edition: 4500 - CI C	
HF	mg/Nm³	2	18	6	IS 11255 (Part 5): 1990	
k : Plant was shut do	wn during the s	am	pling.		**	
rized By - W						
THE PARTY OF THE P	Name : Bhavisha Pandya					
The same of the sa	"Caustic Plant-Vilayat" Pin code-392140. Sample ID: 2252908246 Sample Date: 18.06,202 Sampling Time: - Analysis commenced on: Reporting Date: 01.07.2 Sample Collected By: Mr Sample Collected By: Mr Sample Procedure: IS Description of Sample: Sample Received Date: - Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters HCL HF k: Plant was shut don	"Caustic Plant-Vilayat" Plot No 1, GIDC Vila Pin code-392140. Sample ID: 2252908246 - 113JN225E19 Sample Date: 18.06, 2022 Sampling Time: - Analysis commenced on: - Reporting Date: 01.07.2022 Sample Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: - Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) HCL mg/Nm³ k: Plant was shut down during the s	**Caustic Plant-Vilayat* Plot No 1,GIDC Vilayat Pin code-392140. Sample ID: 2252908246 - 113JN22SE19 Sample Date: 18.06.2022 Sampling Time: - Analysis commenced on: - Reporting Date: 01.07.2022 Sample Collected By: Mr. Vimal Chouhan Sampling Procedure: IS Method Description of Sample: Sampling Bottles: S Sample Received Date: - **ST.** **Parameters** **Unit (SI)** **Parameters** **Parameters** **Unit (SI)** **Parameters** **Parameters** **Parameters** **Unit (SI)* **Parameters** **Parameters**	*Caustic Plant-Vilayat* Plot No 1,GIDC Vilayat Industrial Est Pin code-392140. Sample ID: 2252908246 - 113JN22SE19 3. Client Sample Date: 18.06.2022 5. Sample Sampling Time: - 7. Sample Sampling Time: - 9. Analysis commenced on: - 9. Analysis commenced on: - 9. Analysis commenced on: - 9. Analysis Sample Collected By: Mr. Vimal Chauhan 13. Group Sampling Procedure: IS Method 15. Product Description of Sample: Sampling Bottles: Sealed **Sample Received Date: -** **Parameters** **Unit (SI)** **Parameters** **Unit (SI)** **Phosphoric Height m: 35* **Diameter mm: 350* **Temperature %c: - ** **Velocity m/s: - ** **Type of fuel used : N.A ** **Parameters** **Unit (SI)** **Parameters** **Unit (SI)** **Parameters** **Unit (SI)** **Results** **HCL mg/Nm³ : - ** **HF** **HF** **Mg/Nm³ : - ** **HF** **Mg/Nm³ : - ** **Mg/Mm³ : - *	Sample ID: 2252908246 - 113JN22SE19 3. Client Representative: Mr.N. Sample Date: 18.06.2022 5. Sampling Location: Phosphy Sampling Time: 7. Sampling Duration: - 9. Analysis Completed on: - 9. Analysis Completed on: - 11. Discipline: Chemical Sample Collected By: Mr. Vimal Chauhan 13. Group: Atmospheric Polluti Sample Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: - STACK DETAILS Parameters Unit (SI) Description: Acid Plant Height m : 35 Diameter mm : 350 Temperature % : - 9. Phosphoric Acid Plant Height m : 35 Diameter mm : 350 Temperature % : - 9. Analysis Completed on: -	

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details. -----END OF REPORT------

TEST REPORT FORMAT - STACK DOC. NO.: LAB-FMT-052 Issue No.: 02 Revision No.: 03 Effective Date: 01.03.2021 Issue Date: 01-01-2015 Revision Date: 01,03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/20

SAMPLE DETAILS

1.	Name & Address of Client	: M/s. Grasim In	dus	itries L	.td.,- Ch	emical Division.	ALMINIA DE LA CARACTERIA DE LA CARACTERI
57966	"Caustic Plant:Vilayat" Plo Pin code-392140.	t No 1,GIDC Vila	iyat	Indus	trial Est	tate, Bharuch, PO-VIII	ayat Taluka-Vagra,Gujarat.
2.	Sample ID: 2252908246 - 1133N22SE01			3,	Client Representative: Mr. Vikas Valand		
4.	Sample Date: 17.06.2022	Š.		5.	Samplin	ng Location: Caldum	Chloride Plant
6,	Sampling Time: 14:20 hr			7.	Samplin	ng Duration: 20 Min.	5
8.	Analysis commenced on:	20.06.2022		9.	Analysi	s Completed on: 20	0.06.2022
10.	Reporting Date: 01.07.20	22		11.	Discipli	ne: Chemical	
12.	Sample Collected By: Mr.		П	13.	Group:	Atmospheric Polluti	on
14	Sampling Procedure: IS Method			15.	Product	t: Stack Emission	EN:
16.	Description of Sample:	Sampling Bottle	s: 5	ealed	1	Thimble:Packed V	Bladder: Clamped
17.	Sample Received Date: 2	0.06.2022					
- ALL OF T			5T.	ACK C	ETAIL:	5	
S.No.	<u>Parameters</u>	Unit (SI)			Description		
1.	Source		1	Calci	Calcium Chloride Plant		
2.	Height	m	100	2 - 25	POTENTIAL STANCE - SACTORISE TO SACTORISE STANCE ST		
3	Diameter	mm		(8)			
4.	Temperature	°C	13	73			
5	Velocity	m/s	1	5.5			
6.	Type of fuel used	1 0.000	4	N.A.			
7.	Quantity of fuel used			N.A.			
S. No.	Parameters	Unit (SI)		Re	sults	Specification/ SPCB Norms/ BIS Standards	Method Used
11	HCL	mg/Nm ³	1	-4	.77	120	APHA 2315 Edition: 4500 - CI C
Rema	rk:						
Autho	rized By -						
Name	: Bhavisha Pandya			D	esignat	ion : Sr. Chemist	

MOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. 1) 2) are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.; 03
Fertive Oute: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/21

SAMPLE DETAILS

1.	Name & Address of Clien					B FERM W. FETT	
CADAC	"Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vila	yat	Industria	Estate, Bharuch, PO-VII	layat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246 - 113JN22SE07		I	3. Clie	nt Representative: Mr.	Vikas Valand	
4.	Sample Date: 17.06.2022	2			npling Location: Orlerin	ated Paraffin Plant	
6.	Sampling Time: 13:20 hr				npling Duration: 15 Mir		
8.	Analysis commenced on:	20.06.2022		9. Ana	lysis Completed on: 2	0.06.2022	
10.	Reporting Date: 01:07:20)22	T	11. Dis	cipline: Chemical		
12.	Sample Collected By: Mr.	Vimal Chauhan	Т	13. Gro	up: Atmospheric Pollut	ion	
14.	Sampling Procedure: IS Method			15. Pro	duct: Stack Emission	100	
16	Description of Sample:	Sampling Bottle	<u>5:</u> 6	ealed 🗸	Thimble Packed	Bladder: Clamped	
17.	Sample Received Date: :				W = 0.04-09505		
	20		ST.	ACK DET	AILS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source			Chlorinated Paraffin Plant			
2.	Height	m	1	35	35		
3.	Diameter	mm	1	350	350		
4	Temperature	⁰ C	1	35			
5.	Velocity	m/s	1	-			
6.	Type of fuel used		1	N.A.			
7.	Quantity of fuel used		12	N.A	707		
<u>5.</u> <u>No.</u>	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
(15)	HCL	mg/Nm³	18	3.72	20	APHA 23 rd Edition: 4500 - Cl C	
Rema	rk: 60			11.	- W.	10	
Autho	rized By -			10			
Name	: Bhavisha Pandya			Desig	nation : Sr. Chemist		

NOTE:

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The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Dates, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01-03-2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/22

SAMPLE DETAILS

1.	Name & Address of Clier	it: M/s. Grasim In	dus	tries Ltd.,-	Chemical Divisio	n.	=	
	"Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vila	ryat	Industrial i	Estate, Bharuch, F	O-Ville	eyet Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246 - 1133N22SE10			3. Clien	t Representative	e Mr.V	ikas Valand	
4.	Sample Date: 17.06.202	2		5. Sam	oling Location: A	Mumini	um Chloride Plant	
6.	Sampling Time: 14:00 hr			7. Sam	oling Duration: 1	5 Mins	i	
8.	Analysis commenced on:	20.06.2022	- 2	9. Anal	ysis Completed of	on: 20	.06.2022	
10.	Reporting Date: 01.07.2	022		11. Disci	pline: Chemical	MOUSE CAR	9950-VE280-00	
12.	Sample Collected By: Mr	Vimal Chauhan		Contract Contract of Contract	p: Atmospheric		50	
14.	Sampling Procedure: IS	Method	Ш	Prod	uct: Stack Emiss	ion		
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed √ Thimble:Packed √ Bladder; Clamped				
17,	Sample Received Date: 2		0.530	STONESCOURT	C.200900404040404045	OWNERS OF THE OWNER OWNE		
	0	- 1W	ST	ACK DETA	ILS			
S.No.	Parameters	Unit (SI)	П		I	escri	ption	
1.	Source		14	Aluminiu	m Chloride Pla	int		
2.	Height	m	1	1 35				
3.	Diameter	mm	13	350				
4.	Temperature	°°C	3	32				
5.	Velocity	m/s	4	316				
6.	Type of fuel used		15	N.A.				
7.	Quantity of fuel used		10	N.A.	N.A			
<u>5.</u> No.	Parameters	Unit (SI)		Results	Specificat SPCB Non BTS Stand	ms/	Method Used	
1.	HCL	mg/Nm³	1	2.10	20		APHA 23 rd Edition: 4500 - CI C	
Rema			1	-				
Autho	rized By -							
	: Bhavisha Pandya			Design	nation : Sr. Che	emist	8;	

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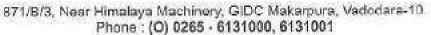
The results reported above relate to the sample identified under Sample Details.

 END OF REPORT

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FHT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	lesue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/23

SAMPLE DETAILS

	M-1-2-0-000 2-5000		_	IPLE DETAI	AS REPUBLICAN		
1	Name & Address of Clien "Caustic Plant-Vilayat" Pla Pin code-392140.					ayat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246 - 1133N22SE11		1	3. Client	. Client Representative: Mr.Vikas Valand		
4.	Sample Date: 18.06.2022	2		5. Sampl	ing Location: Stable	Bleaching Powder Plant	
6.	Sampling Time: 14:25 hr		18	7. Sampl	ing Duration: 15 Min	8	
8.	Analysis commenced on:	20.06.2022	13	9. Analys	is Completed on: 20	1,06.2022	
10.	Reporting Date: 01.07.20	22		Discip	line: Chemical		
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Polluti	on	
14.	Sampling Procedure: IS Method			Produ	ct: Stack Emission	ALCO III	
16.	Description of Sample:	Sampling Bottle	s: S	ealed 🗸 🔙	Thimble: Packed	Bladder: Clamped	
17.	Sample Received Date: :	20.06.2022			III. A A. TOURCE IN CONSUMENT	- Charles - Char	
			ST	ACK DETAIL	LS		
5.No.	Parameters	Unit (SI)			Description		
18	Source		14	Stable Ble	Stable Bleaching Powder Plant		
2.	Height	m	18	35			
3.	Diameter	mm	4	200	200		
4.	Temperature	°G	14	42			
5.	Velocity	m/s	F	***			
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		3	N.A			
<u>S.</u> <u>No.</u>	Parameters	Unit (ST)		Recultic	Specification/ SPCB Norms/ BIS Standards	Method Used	
1,	HCL	mg/Nm³	1	5.98	20	APHA 23 rd Edition: 4500 - CI C	
Rema	irk:		-	-			
Autho	orized By -						
Name	: Bhavisha Pandya			Designa	ation : Sr. Chemist	RC .	

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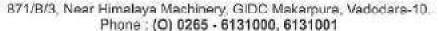
 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of cample if the camples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.
 END OF REPORT.

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FNT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Tesue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/24

SAMPLE DETAILS

(1)	Name & Address of Clier			TIPLE DE IA		
)(5 (5)(2)						layat Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246 - 113JN22SE12			Clier	it Representative: Mr.	Vikas Valand
4.	Sample Date: 17.06,2022			VESSORY - PROPERTY -	pling Location: Poly Air Powder Plant)	uminium Chloride Plant
6.	Sampling Time: 13:50 h	r	I	7. Sam	pling Duration: 15 Mir	ns .
8.	Analysis commenced on	: 20.06.2022		9. Anal	ysis Completed on : 2	0.06.2022
10.	Reporting Date: 01.07.2	022		11. Disc	pline: Chemical	
12.	Sample Collected By: Mr. Vimal Chauhan			13. Grou	p: Atmospheric Pollut	ion
14.	Sampling Procedure: 15	Method		15. Prod	uct: Stack Emission	
16.	Description of Sample:	Sampling Bottle	5) 5	Sealed V	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date:	20.06.2022				THE RECOGNISSION OF THE PERSON
	1		ST	ACK DETA	ILS	
S.No.	Parameters	Unit (SI)			Descr	<u>iption</u>
1.	Source		ī	Poly Alum	inium Chloride Plant	(Old Powder Plant)
2.	Helght	m	:	35		Strift (Chiber bolts of VSP075100)
3.	Diameter	mm	1	350		
4.	Temperature	9¢	3	34		
5.	Velocity	m/s	1			
6.	Type of fuel used	A.750	1	N.A		
7	Quantity of fuel used		1	N.A		m.
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
446	HCL com	mg/Nm²	3	9.24	20	APMA 23 rd Edition: 4500 - Ci C
Rema	rk:	1 278800000	1.3	101000000		I SCHOOL SECTION OF THE SECTION OF T
Autho	orized By -					
Name	: Bhavisha Pandya			Design	nation : Sr. Chemist	
				The second secon		

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/25

SAMPLE DETAILS

-	V 8 111 2 20	The Control of the Co		TPLE DETAI				
1.	Name & Address of Clies "Caustic Plant-Vilayat" P Pin code-392140.					ayat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246 - 1133N22SE13			3. Client	Representative: Mr.\	/ikas Valand		
4,	Sample Date: 17.06.2022			100 CO	ing Location: Poly Alu Powder Plant)	minium Chloride Plant		
6,	Sampling Time: 13:40 h	ř		7. Samp	ing Duration: 15 Min	6		
8.	Analysis commenced on	20.06.2022	1 2	9. Analys	sis Completed on : 21	0.06.2022		
10.	Reporting Date: 01.07.2	022		11. Discip	line: Chemical			
12.	Sample Collected By: Mr. Vimal Chauhan			13. Group	: Atmospheric Pollut	ion		
14.	Sampling Procedure: IS	Method		15. Produ	ct: Stack Emission	AU)		
16.	Description of Sample:	Sampling Bottle	s: S	Sealed √	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:	20.06.2022			XI	W = 1		
		9	ST.	ACK DETAI	LS			
S.No.	Parameters Unit (SI)				Description			
1.	Source		3	Poly Alumi	nium Chloride Plant	(New Powder Plant)		
2.	Height	Sino.	13	35		50 - 196		
3.	Diameter	mm	3	350				
4.	Temperature	PC	3	34				
5.	Velocity	m/s	14	-				
6.	Type of fuel used		1	NA				
7.	Quantity of fuel used		1	N.A.				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm ³		5,29	20	APHA 23 rd Edition; 4500 - CI C		
Roma	rkı 🔊							
Autho	orized By - (ADV							
Name	: Bhavisha Pandya			Designa	ation : Sr. Chemist			

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAS-FHT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03,2021	Issue Date: 01-01-3015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/26

SAMPLE DETAILS

6.	Sampling Time: 13:00 hr			Plant) 7. Sampl	ing Duration: 15 Min	S-	
8.	Analysis commenced on			and the same of th	is Completed on : 20	Total Control of the	
10.	Reporting Date: 01.07.2	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT		THE RESERVE OF THE PARTY OF THE	ine: Chemical		
12.	Sample Collected By: Mr. Vimal Chauhan				: Atmospheric Polluti	on	
14.	Sampling Procedure: IS		1	15. Produ	Product: Stack Emission		
16.	Description of Sample:	Sampling Bottle	les: Sealed √ Thimble:Packed √ Bladder: Clamp				
17.	Sample Received Date:					The second secon	
	7.0		STA	ACK DETAIL	S		
S.No.	Parameters	Unit (SI)			ption		
l.	Source	7,	12	Poly Alum	inium Chloride Pia	nt (Liquid Plant)	
2.	Height	m	1	35			
3.	Diameter	mm	:	350			
4,	Temperature	°C	1	32			
5.	Velocity	m/s	3	•			
6.	Type of fuel used		13	N.A			
7.	Quantity of fuel used		1	N.A			
<u>S.</u> <u>No.</u>	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
						APHA 23rd Edition: 4500 - Cl C	

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The results reported above relate to the sample identified under Sample Details.

 END OF REPORT

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2821



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/02 (ULR-TC709922000012554F)

SAMPLE DETAILS

		-0.000 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	39-12	11 44 04 1119			
1.0	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate,8haruch,PO-Villayat Taluka-Vagra.Gujarat. Pin code-392140. Compute Viv. 2050200346 - 14220230500 - 3 Client Percentative: Mr. Vilage Valand						
2.	Sample ID: 2252908246 -	1133N22SE02	13	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 17.06.2022			5. Sampli	ng Location: D.G.Set -	1	
6.	Sampling Time: 11:30 hr		3	7. Sampli	ng Duration: 20 Mins		
8.	Analysis commenced on: 3	20.06.2022		Analys	is Completed on: 20.06	.2022	
10.	Reporting Date: 01.07.20	22		Disciple	ine: Chemical		
12.	Sample Collected By: Mr.	Vimal Chauhan	_	the state of the s	Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod		Produc	t: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	sealed √	Thimble: Packed √	Bladder: Clamped	
17.	Sample Received Date: 20						
			SI	ACK DETAIL	S		
5.No.	Parameters	Unit (SI)	ľ		Description		
1.	Source		1	D.G.Set - :			
2	Height	m	3	36			
3.	Diameter	mm	-1	450			
4.	Temperature	P _C		128			
5.	Velocity	m/s	1	6.1			
6.	Type of fuel used		3	HSD			
7.	Quantity of fuel used	lit/hr	13	600			
S. No.	Parameters	Unit (SI)		Results	Specification / SPCB Norms / BIS Standards	Method Used	
L.	Particulate Matter	mg/Nm³	1	53	150	IS 11255 (Part 1): 1985	
2.	Sulphur Dioxide(SO ₂)	ppm	3	19.87	100	IS 11255 (Part 2): 1985	
3.	Oxides of Nitregen (NOx) ppm	8	11.08	50	IS 5182 (Part 6) :2006	
Rema							
	orized By - V						
Name	: Bhavisha Fandya		m.	Designa	tion : Sr. Chemist	000000 111	

MOTE:

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	Iscue Mo.: 02	Revision No.: 03
Effective Date: 01:03:2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/03 (ULR-TC709922000012555F)

SAMPLE DETAILS

1.78				IF EL DEIM			
(10)	Name & Address of Client: ("Caustic Plant-Vilayat" Plot (Pin code-392140.					at Taluka-Vagra. Gujarat.	
2.	Sample ID: 2252908246 - 1	13JN22SE03	2		Representative: Mr.Vika		
4.	Sample Date: 17.06.2022	11300703-1542-3	18	5. Samp	ing Location: D.G.Set -	2	
6.	Sampling Time: 11:25 hr			Samp	ing Duration: 20 Mins		
8.	Analysis commenced on: 20	.06.2022		9. Analy	sis Completed on: 20.0	5.2022	
10.	Reporting Date: 01.07.2022		2	11. Discip	line: Chemical		
12.	Sample Collected By: Mr. Vi	mal Chauhan	18	13. Group	: Atmospheric Pollution		
14.	Sampling Procedure: IS Met	hod		Produ	ct: Stack Emission		
16.	Description of Sample: Sa	empling Bottle	s: S	ealed V	Thimble: Packed √	Bladder: Clamped	
17.	Sample Received Date: 20.0						
			ST	CK DETAI	LS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source		1	D.G.Set - 2			
2.	Height	m_	1	36			
3.	Diameter	mm	1	450			
4.	Temperature	o _C		134			
5.	Velocity	m/s	3	6.0			
6.	Type of fuel used		14	HSD			
	Quantity of fuel used	lit/hr	4	600			
7.					Specification/		
7. <u>S.</u> No.	Parameters	Unit (SI)		Results	SPCR Norms/. BIS Standards	Method Used	
5.	Parameters Particulate Matter	Unit (SI) mg/Nm ³	7,0	Results 46	SPCR Norms/	Method Used IS 11255 (Part 1): 1985	
S. No.		SHEET	3.5		SPCR Norms / BIS Standards		

Name : Bhavisha Pandya

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2) Re analysis of sample will be clone, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

Designation : Sr. Chemist

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FHT-652	Isrue No.: 02	Revision No.: 03
Effective Date: . D1.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/04 (ULR-TC709922000012558F)

SAMPLE DETAILS

		-	IPLE DETAI			
					et Taluka-Vagra.Gujarat	
Sample ID: 2252908246 -	113JN225E04	18	3. Client Representative; Mr.Vikas Valand			
Sample Date: 18.06.2022	W24-E1011-249-52		5. Sampl	ing Location: D.G.Set -	3	
Sampling Time: 11:10 hr			7. Sampl	ing Duration: 20 Mins	rocusso	
Analysis commenced on: 2	0.06.2022	13	9. Analys	is Completed on: 20.0	5.2022	
Reporting Date: 01.07.202	2	1	11. Discipl	ine: Chemical		
Sample Collected By: Mr. V	/imal Chauhan		13. Group	Atmospheric Pollution		
Sampling Procedure: IS Me	sthod	3	Produc	t: Stack Emission		
Description of Sample:	Sampling Bottle	s: 5	ealed √	Thimble: Packed V	Bladder: Clamped	
Sample Received Date: 20						
	AND	ST	ACK DETAIL	5		
<u>Parameters</u>	Unit (SI)	ľ	Description			
Source		82	D.G.Set -	3.0		
Height	m	13	36			
Diameter	mm	1	450			
Temperature	n _C	12	139			
Velocity	m/s	12	6.4			
Type of fuel used	3	14	HSD			
Quantity of fuel used	lit/hr		600			
Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
Particulate Matter	mg/Nm³	3	57	150	IS 11255 (Part 1): 1985	
Sulphur Dioxide(SO ₁)	ppm		21.61	100	IS 11255 (Part 2): 1985	
Oxides of Nitrogen (NOx)	ppm		8.10	50	15 5182 (Part 6) :2006	
Contract to the Contract of th	WAS PARTIES OF THE PA	4				
nized By -						
: Bhavisha Pandya			Designa	tion : Sr. Chemist		
	Coustic Plant Vilayat" Plot Pin code-392140. Sample ID: 2252908246 – Sample Date: 18.06.2022 Sampling Time: 11:10 hr Analysis commenced on: 2 Reporting Date: 01.07.202 Sample Collected By: Mr.) Sampling Procedure: IS Mi Description of Sample: 3 Sample Received Date: 20 Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters Particulate Matter Sulphur Dioxide(SO ₂) Oxides of Nitrogen (NOx) k: ized By -	Coustic Plant Vilayat" Piet No 1,GIDC Vila Pin code-392140. Sample ID: 2252908246 - 113JN225E04 Sample Date: 18.06.2022 Sampling Time: 11:10 hr Analysis commenced on: 20.06.2022 Reporting Date: 01.07.2022 Sample Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 20.06.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used Quantity of fuel used Quantity of fuel used Iit/hr Parameters Unit (SI) Particulate Matter mg/Nm³ Sulphur Dioxide(SO ₁) ppm Oxides of Nitrogen (NOx) ppm k: Ized By -	Coustic Plant Vilayat" Plot No 1,GIDC Vilayat Pin code 392140. Sample ID: 2252908246 - 113JN225804 Sample Date: 18.06.2022 Sampling Time: 11:10 hr Analysis commenced on: 20.06.2022 Reporting Date: 01.07.2022 Sample Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample: Sampling Bottles: S Sample Received Date: 20.06,2022 ST/ Parameters Unit (SI) Source : Height m : Diameter mm : Temperature °c : Velocity m/s : Type of fuel used : Quantity of fuel used it/hr : Parameters Unit (SI) Particulate Matter mg/Nm³ : Sulphur Dioxide(SO₁) ppm : Oxides of Nitrogen (NOx) ppm :	**Coustic Plant Vilayat" Plot No 1,GIDC Vilayat Industrial Es Pin code-392140. Sample ID: 2252908246 – 113JN225804 3. Client Sample Date: 18.06.2022 5. Sample Sampling Time: 11:10 hr 7. Sample Analysis commenced on: 20.06.2022 9. Analys Reporting Date: 01.07.2022 11. Discipl Sample Collected By: Mr. Vimal Chauhan 13. Group: Sampling Procedure: IS Method 15. Produc Description of Sample: Sampling Bottles: Sealed **Description of	Sample ID: 2252908246 - 113JN22SE04 3. Client Representative; Mr.Vika Sample Date: 18.06.2022 5. Sampling Location: D.G. Set - Sampling Time: 11:10 hr 7. Sampling Duration: 20 Mins Analysis commenced on: 20.06.2022 9. Analysis Completed on: 20.00 Reporting Date: 01.07.2022 11. Discipline: Chemical Sample Collected By: Mr. Vimal Chauhan 13. Group: Atmospheric Pollution Description of Sample: Sampling Bottles: Sealed \(\) Thimble: Packed \(\) Sample Received Date: 20.06.2022 STACK DETAILS	

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT-

TEST REPORT FORMAT - STACK					
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/05 (ULR-TC709922000012557F)

SAMPLE DETAILS

- 30				APLE DE LATI				
1.0	Name & Address of Client: "Caustic Plant-Vilayat" Plot code 392140.					Taluka-Vagra. Gujarat. Pir		
2.	Sample ID: 2252908246 -	1133N22SE05	1 8	3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 18.06.2022	- 0000100000000000000000000000000000000		5. Sampli	ng Location: D.G.Set - 4			
6.	Sampling Time: 12:00 hr		13	7. Sampli	ng Duration: 20 Mins			
8.	Analysis commenced on: 21	0.06.2022		9. Analys	s Completed on: 20.06.	2022		
10.	Reporting Date: 01.07.2022	2	- 3	Discipli	ne: Chemical			
12.	Sample Collected By: Mr. V	imal Chauhan		13. Group:	Atmospheric Pollution			
14.	Sampling Procedure: IS Me	thod	1 3	Produc	t: Stack Emission			
16.	Description of Sample: S	Sampling Bottle	s: S	iealed V	Thimble: Packed √	Bladder: Clamped		
17.	Sample Received Date: 20							
			ST	ACK DETAIL	S			
S.No.	Parameters	Unit (SI)	П		Description			
-1.	Source		1	D.G.Set - 4				
2.	Height	m	1	11				
3.	Diameter	mm	1	450				
4.	Temperature	°C	1	142				
5.	Velocity	m/s	1	6.3				
6,	Type of fuel used		1	HSD				
7.	Quantity of fuel used	lit/hr	2	600				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	3	48	150	IS 11255 (Part 1):		
2.	Sulphur Dioxide(SO ₂)	ppm	13	16.04	100	IS 11255 (Part 2):		
3.	Oxides of Nitrogen (NOx)	ppm	4	7.26	50	IS 5182 (Part 6)		
Remai		1 22200	1 37					
Autho	rized By - (XX							
Name	: Bhavisha Pandya			Designa	tion : Sr. Chemist			

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample 7 the samples are not consumed during enalysis.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-092	Issue No.: 02	Pavision No.: 03
Effective Date: 01.03,2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUN22/113/06 (ULR-TC709922000012558F)

SAMPLE DETAILS

31.3	Name & Address of Client: "Caustic Plant Vilayat" Pio Pin code-392140.					at Taluka-Vagra Gujarat.	
2.	Sample ID: 2252908246 -	113JN22SE06	3	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 18.06.2022		Т	5. Sampli	ng Location: D.G.Set -	5	
6.	Sampling Time: 12:30 hr			7. Sampli	ng Duration: 20 Mins		
8.	Analysis commenced on: 2	0.06.2022	Б	9. Analys	is Completed on: 20.0	6,2022	
10.	Reporting Date: 01.07.202	made where the state of the first control of the	1	11. Discipli	ine: Chemical	VYOC532101-	
12.	Sample Collected By: Mr.		1	13. Group:	Atmospheric Pollution		
14.	Sampling Procedure: IS M			15. Produc	t: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: 5	Sealed V	Thimble:Packed √	Bladder: Clamped	
17.	Sample Received Date: 20	and a supplemental to the second	obes			A TORROR OF THE STATE OF THE ST	
			SI	ACK DETAIL	<u>s</u>		
5.No.	Parameters	Unit (SI)	I	Description			
1.	Source		1	D.G.Set - 5			
2.	Height	m	1	11			
3.	Diameter	mm	12	450			
4.	Temperature	oC	:	140			
5.	Yelocity	m/s	4	6.4			
6.	Type of fuel used	4		HSD			
7.	Quantity of fuel used	lit/br	3	600			
5. No.	<u>Parameters</u>	Unit (SI)		Results	Specification / SPCB Norms / BIS Standards	Method Used	
I.	Particulate Matter	mg/Nm1	13	51	150	IS 11255 (Part 1): 1985	
2.	Sulphur Dioxide(SO ₂)	ppm	3	13.22	100	IS 11255 (Part 2): 1985	
3.	Oxides of Nitrogen (NOx	ppm	1	11,51	50	15 5182 (Part 6) :2006	
Rema	rk:	- Action					
	orized By -						
Name	: Bhavisha Pandya			Designa	tion : Sr. Chemist		

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

olovana a samona a s	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-PHT-692	Ispye No.: 02	Raylsion No : 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/146/27 (ULR- TC709922000014809F)

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayal" Pio	: M/s: Grasim Inc t No. 1,GIDC Vila	tustnes Ltd.,- C vat Industrial E	hemiç state, t	al Division. Sharuch,PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246	146JU22AQ01		3%	. Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 25.07.202	2		5.	Sampling Location: Nr. A	uminum Plant	
6.	Sampling time: 11:15 hr			7.	Sampling Duration: 24 Hi	5	
8.	Analysis commenced or	: 27.07.2022		9.	Analysis Completed on ; 27.07.2022		
10.	Reporting Date: 05.08.2022				Discipline: Chemical		
12.	Sample Collected By: M	The second secon	an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M			15.	Product: Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	7	Fater Paper: Packed √	Bladder: Clamped V	
17.	The second secon	Temp: Normal	Temp: Normal Humidity: Med		Wind speed: Smooth	Cloud cover: Partly Cloudy	
7/64	Rain; No Rain	Wind Direction:	Up wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	27.07.2022	115		4		

TEST RESULTS

5. No.	Parameters	<u>Unit (51)</u>		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PPIn	ug /m²	3	47	100	1S 5182 (Part 23) : 2006
2.	PM 23	jug /m³	3	22	50	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	μg /m³	36	8.77	80	15 5182 (Part 2) : 2001
4.	Oxdes of Nitrogen (NO-)	pg /m²	3	16.85	80	15 5187 (Part 6.): 2006
5.	Clo	μg /m ³	3	2.21	100	IS 5182(Part 19): 1982
6.	Ammonia (NHs.)	μg /m³		1.84	400	Guidelines By CPCB(Vol-1)
7.	Hy5	μg /m ³	3	N.D.	500	15 5187 (Part 7): 1971

Remark: N.D. - Not Detected.

Authorized By -

Name: Bhavisha Randya

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples one not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details

-END OF REPORT---

TEST REPORT FORMAT - AMBIENT							
DOC. NO.: LAB-FMT-051	Isoue No.: 02	Revision No.: 03					
Mediue Date: 01-03-2021	Issue Date: 01-01-2015	 Revision Date: 01.03.2021 					





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL 22/146/28 (ULR- TC709922000014810F)

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Villiyat" Plo	M/s. Grasim Ind No 1,GIDC Vilay	lustries Ltd.,- C /at Industrial E	hemic state, P	al Division. Sharuch, PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246 -	1463U22AQ02		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 25.07.202	2		5.	Sampling Location: Nr.PAC Plant		
6.	Sampling time: 11:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced or	: 27.07.2022		9.	Analysis Completed on: 27.07.2022		
10.	Reporting Date: 05.08.3	Control of		11.	Discipline: Chemical		
12.	Sample Collected By: M	r. Vimal Chauh	an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M			15,	Product: Ambient Air	SECTION AND DESCRIPTION OF THE	
16.	Description of Sample:		Bottles: Sealed	V	Filter Paper: Packed V	Bladder: Clemped V	
17.	Environment Condition:	Temp: Normal	Humiday: Med	fium:	Wind speed: Smooth	Cloud cover: Partly Cloudy	
1500	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	27.07.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PMar	ug /m²	1	58	100	JS 5182 (Part 23.): 2006
2.	PM 24	μg /m³	181	20.	60	Guidelines By CPCB(Vol-1)
30	Sulphur Doorde (SO))	µg /m²	323	8.33	80	15 5162 (Part 2) : 2001
4.	Order of Nitrogen (NOv)	un /m²	3	14.05	80	15 5182 (Part 6.) : 2006
5.	CL3	pg /m ³	1	2.66	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	μg /m²	13	2.45	400	Guidelines By CPCB(Vol-1)
7.	H ₀ S	pg /m²	1	N.D.	500	15 5182 (Part 7): 1973

Remark: N.D. - Not Detacted.

Name : Shavisha Pandya

Authorized By -

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.
- The results reported above relate to the sample identified under Sample Details.

S SE SOUR SE ANNOUNCE POR PROPERTY OF	TEST REPORT FORMAT - AMBIEN	(T)
DOC. NO.: LAB FMT 051	Issue No.: 02	Residen Na.: 03
Effective Bete; 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/146/29 (ULR-TC709922000014811F)

SAMPLE DETAILS

		- 75							
14	Name & Address of Client: M/s. Grasim Industries Ltd.,- Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra Gujarat, Pin code.								
2	Sample ID: 2252908246 -	- 146JU22AQ03	3.	C	Client Representative: Mr. Vikas Valand				
4.	Sampling Date: 26.07.2022				Sampling Location: Nr.Main Gate				
6,					Sampling Duration: 24 Hrs				
8.	Analysis commenced on: 27.07.2022				Analysis Completed on: 27.07.2022				
10.	Reporting Date: 05.08.7	THE COURSE	11.	. [Discipline: Chemical				
12.	Sample Collected By: M	2022.20	13.	. 0	Group: Atmospheric Pollution				
14.	Sampling Procedure: IS M	ethod	15.	. P	Product: Ambient Air	sex was sold and war.			
16.	Description of Sample:	Sampling Bott	les: Sealed V		Filter Paper: Packed √	Bladder; Clamped √			
17.	Environment Condition: Temp: Normal Humidity: Me		umidity: Medium		Wind speed: Smooth	Cloud cover: Partly Cloudy			
	Rain: No Rain	Wind Direction: Down wind			Wind blowing from: -	Station category: Industria			
18.	Sample Received Date:	27.07.2022		-					

TEST RESULTS

S.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PPha	µg /m³	13	53	100	15 5182 (Port 23) : 2006
2.	PM 25	ug/m²	3	14	50	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	ug/m³	131	6.58	80	15 5182 (Part 2) : 2001
4.	Owdes of Nitrogen (NOx)	μg /m²		17.90	80	15-2162 (Part 5) : 2006
5.	CL:	ug /m³	131	88.0	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₂)	μg /m ³	3	0.99	400	Guidelines By CPCB(Vol-1)
7.	H ₂ S	эg/m1		NO.	500	1S 5182 (Part 7): 1973

Name: Bhavisha Pandya

Authorized By -

Designation : Sr. Chemist MOTE

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT.

	TEST REPORT FORMAT - AMBIEN	ST .
DOC. NO.: LAB-FMT-DS1	Issue No.: 02	Revision No.: 03
Effective Date (-01.03.202)	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/146/30 (ULR-TC709922000014812F)

SAMPLE DETAILS

16.	Description of Sample:		Bottles: Seale: Humidity: Me	V	Filter Paper; Packed √ Wind seeed: Smooth	Bladder: Clempcd √ Cloud cover: Partly Cloudy	
12. 14.	Sample Collected By: M Sampling Procedure: IS M		ап	13.	Group: Atmospheric Pollution Product: Ambient Air		
10.	Reporting Date: 05,08.2			11.	A STATE OF THE PARTY OF THE PAR		
8.	Analysis commenced on	: 27.07.2022		9.	Analysis Completed on: 27.07.2022		
6.	Sampling time: 12:00 hr			7.	Sampling Duration: 24 Hrs		
4.	Sampling Date: 26.07.202	2		5.	Sampling Location: Nr. Marketing Yard		
2.	Sample ID: 2252908246 -	- 146JU22AQD4		3.	Client Representative: Mr. Vikas Valand		

TEST RESULTS

S. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PNeo	μg /) m ³	131	63	100	IS \$182 (Part 23) : 2006
2	PN 25	ug /rel	2	18	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	μg /m²	37	7.01	80	1S 5182 (Part 2.): 2001
4.	Oxides of Nitrogen (NOV)	jug /m²		15.32	60	15 5162 (Part 6) : 2006
5.	Cla	ug /m³	1	1.77	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	pg /m³	M	2.49	400	Guidelines By CPCB(Vol-1)
7.	H ₂ S	µg /m³	14	N.D.	500	15 5182 (Part 7), 1973

Remark: N.D. - New Detected.

Authorized By -

Name : Bhavisha Pandya Designation : Sr. Chemist

NOTE:

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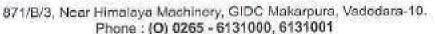
Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

	TEST REPORT FORMAT - AMBIEN	(T)
DOC. NO.: LAB FHT-051	Issue No.: 02	Ravision No : 00
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/146/32

SAMPLE DETAILS

4 -	La contraction of the contractio	And a company of the Prince	Control of the Control of		-1.0000000		
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot					-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246 -	146)U22AQ01		3.	Clent Representative: Mr. Vikas Valand		
4.	Sampling Date: 25.07.202	2		5.	Sampling Location: Nr. Aluminum Plant		
6.	Sampling time: 11:15 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced or	: 27.07.2022		9.	Analysis Completed on : 27.07.2022		
10.	Reporting Date: 05.08.2	2022		11.	Discipline: Chemical		
12,	Sample Collected By: M	r. Vimal Chauh	an	13,	Group: Atmospheric Pollution		
14				15.	Product: Ambient Air	NORTH PROPERTY AND ADDRESS OF THE PERSON OF	
16.	Description of Sample:	Sampling	Bottles: Sealed	V	Filter Paper: Packed y	Bladder: Clamped V	
17.	Environment Condition:	Temp: Normal	Humidity: Me	dium	Wind speed: Smooth	Cloud cover: Partly Cloudy	
	Rains No Rain	Wind Direction: Up wind			Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	27.07.2022					

TEST RESULTS

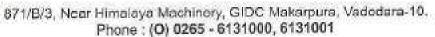
Parameters	Unit (SI)		Results	Specification/ 5PCB Norms/ BTS Standards	Method Used
CO	.io /m³	3	670	5000	IS 5182(Part 10): 1999
HOL	ug./m³	1	2.78	200	APHA 23 ^{rt} Edition 4500 CI-C
Hydrocarbon(HC) NMHC	ma /m/	3	N.D.	160	IS 5182(Part 21): 2001
HE	μg /m³	1	0.87	60	IS 5182 (Part 13): 1991
C5v	ug /m²	12	N.D.	2000	15 5182 (Part 20): 1982
k: N.D Not Detricted. ized By -			Factoria.		
	CO HCL Hydrocarbon(HC) NMHC HF CS2 H: N.D Not Departed.	CO us /m³ HCL ug /m³ Hydrocarbon(HC) NMHC ug /m³ HF ug /m³ CS; ug /m³ k: N.D Not Detected.	CO	CO	Parameters Unit (SI) Besults SPCB Norms/ BIS Standards co μ0 /m² : 670 5000 HCL μg /m² : 2.78 200 Hydrocarbon(HC) NMHC μg /m² : N.D. 160 HF μg /m² : 0.87 60 CS₂ μg /m² : N.O. 2000 k: N.D Not Detected. ized By -

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/148/33

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot				al Division. Sharuch, PO-Villayat Taluka	-Vagra Gujarat Pin code-	
2.	Sample ID: 2252908246	- 146JUZZAQ02		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 25,07,202	2		5.	Sampling Location: Nr.PAC Plant		
6.	1 (144.) The 2 (144.) The 2 (144.)				Sampling Duration: 24 Hrs		
8,	Analysis commenced on: 27.07.2022				Analysis Completed on : 27.07.2022		
10.	Reporting Date: 05.08.3			11.	Discipline: Chemical		
12.	Sample Collected By: M		an	13.	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M		E(W)	15.	Product: Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped V	
17.	Environment Condition:	Temp: Normal:	Humidity: Me	dium.	Wind speed: Smooth	Cloud cover: Partly Cloudy	
	Zairc No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	27.07.2022					

TEST RESULTS

					W. Committee	
S. No.	Perametera	Unit (ST)		Results	Specification/ SPCB Norms/ BJS Standards	Method Vaed
1.	co	μg./m²	136	712	5000	15 5182(Part 10): 1999
2.	HCL.	ug /m²	12	3.85	200	APHA 23° Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	µg /m³	12	N.O.	160	IS 5182(Part 21): 2001
4.	HE	μg /m³		0.70	60	(S 5182 (Part 13); 1991
5.	CSe	Hg /m ¹	9	N.D.	2000	IS 5182 (Part 20): 1982
-	TOTAL CONTRACTOR OF THE PARTY O					THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.

Remark: N.D. - Not Detected.

Authorized By -Name : Bhavisha Rawbya

Designation: Sr. Chemist

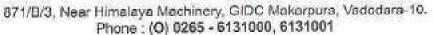
- 1)
- Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 24 are not consumed during analysis.
- The results reported above relate to the sample identified under Sample Datails. -----FND OF REPORT-----

	TEST REPORT FORMAT - AMBIEN	(C)
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01/03/2021	Isoue Dote: 01 01 2015	Revision Date: 01.03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/146/34

SAMPLE DETAILS

L	Name & Address of Client: "Caustic Plant-Villayat" Plot					-Vagra.Gujarat.Pin codo-	
2.	Sample ID: 2252908246 -	- 1463U22AQ03		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 26.07.202	2		5.	Sampling Location: Nr.Ma	in Gate	
6.					Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 27.07.2022				Analysis Completed on : 27.07.2022		
10.	Reporting Date: 05.08.2	COLUMN TO THE PARTY OF THE PART		11.	Discipline: Chemical		
12.	Sample Collected By: M	Property of the Control of the Contr	n	13,	Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M			15.	Product: Ambient Air		
16.	Description of Sample:		ottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	Environment Condition:	Temp: Normal Huniday: Medium			Wind speed: \$100th	Cloud cover: Partly Cloudy	
	Raint Ne Rain	Wind Direction: Down wind			Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	27.07.2022					

TEST RESULTS.

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCR Norms/	Method Used
1.	CO	μg /m²		090	BIS Standards 5000	IS 5162(Part 10): 1999
2.	HOL	ug /m³	1	2.57	200	APHA 234 Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	m³ /m³	(3)	N.D.	160	IS 5182(Part 21): 2001
4.	HE	jug /m³	(2)	0.75	60	15 5182 (Part 13): 1991
5.	CS ₂	ug /m³	(1)	N.D.	2000	IS 5182 (Part 20): 1982

Ramark: N.D. - Not Detected.

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

Reports may be reproduced, if required, but only in full and only with written approval of the laboratory Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

9,6	TEST REPORT FORMAT - AMBIEN	(Ť
DOG, NO.: LAB-EMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01 03 2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: JUL22/146/35

SAMPLE DETAILS

045	Name & Address of Client: "Caustic Plant-Vilayat" Plot 392140.	No 1,GIDC Vilayo	at Industrial Es	tate,E	sharuch,PO-Villayat, Taluka		
2.	Sample ID: 2252908246 -	- 146JUZZAQD4		3.	Clent Representative: Mr	Control of the Contro	
4.	Sampling Date: 26.07.202.	2		5.	Sampling Location: Nr. Marketing Yard		
6.	Sampling time: 12:00 hr				Sampling Duration: 24 Hrs		
8	Analysis commenced on: 27.07.2022				Analysis Completed on: 27.07.2022		
10.	Reporting Date: 05.08.2			11.	Discipline: Chemical		
12.	Sample Collected By: M	r, Vimai Chauha	in	13.	Group: Atmospheric Pollu	tion	
14.	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air	700,000	
16.	Description of Sample:	Sampling B	ottles: Sealed	V	Filter Paper: Packed V	Bladder: Clamped v	
17	Environment Condition:	Temp: Normal Humidity: Medium			Wind speed; Smooth	Cloud cover: Partly Cloudy	
	Rain: No Rain	Wind Direction: Down wind			Wind blowing from: -	Station category: Industria	
18.	Sample Received Date:	27.07.2022			4		

TEST RESULTS

5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ B15 Stendards	Method Used
1.	co	ipig /m ³	1	738	5000	IS 5182(Part 10): 1999
₹;	HOL	μg /m³	4	3.64	200	APHA 23" Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	pg/m³	123	N.D.	160	IS 5182(Part 21): 2001
4.	HE	μg /m³	-3	0.59	60	IS 5182 (Part 13): 1991
5.	CS ₂	ug /m³	1	N.D.	2000	IS 5182 (Part 20): 1982

Remark: N.D. - Not Detected.

Authorized By - Name : Bhavisha Pendya

Designation : Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

2) Re analysis of sample will be done, if requested within 2 days from the date of Reporting of sample if the complex are not consumed during analysis.

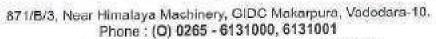
3) The results reported above relate to the sample identified under Sample Details.

266	TEST REPORT FORMAT - AMBIEL	YT.
DOC, NO.: LAS-FMT-051	Essue No.: 02	Revision No.: 03
ffective Date 01.03.2021	Isane Dete: 01-01-2035	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: JUL22/146/42

		DET	

1.	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pincode-392140.		td.,- Chemical Division. trial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat,
2.	Sample 1D: 2252908246 = 146JU22HW01	3.	Client Representative: Mr. Vikas Valand
4.	Sample Date: 25.07.2022	5.	Sampling location: Brine Sludge
6.	Analysis commenced on: 25,07,2022	7.	Analysis Completed on: 05.08.2022
8.	Reporting Date: 05.08.2022	9.	Sample Collected By: Mr. Vimal Chauhan
10.	Physical Status: Solid	11.	Discipline: Chemical
12.	Sample Category: -	13.	Group: Pollution and Environment
14.	Colour: Brown	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in	polythe	ne bags. 🗸
17.	Sample Received Date: 26.07.2022		

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1,	pH	5	7.19	N.A.	APHA 23rd Edition 4500-H1 B
2.	% Moisture Contents	96 :	32.01	N.A.	APHA 23 rd Edition 2540 C
3.	COD	gm/kg :	4.47	N.A.	APHA 23° Edition 5220 B
4.	Cyanide	om/ka :	N.D.	N.A.	APHA: 23rd Edition 4500 CN: E
5,	Chromium	gm/kg :	<0.0002	N,A.	APHA 23rd Edition 3500 Cr - B
6.	Copper	gm/kg :	<0.0005	N.A.	APHA 23 rd Edition 3111 B
7.	Lead	gm/kg :	<0.0004	N.A.	APHA 23 rd Edition 3111 B
8.	Nickel	gm/kg :	<0.0004	N.A.	APHA 23 rd Edition 3111 B
9.	Zinc	gm/kg :	< 0.0006	N.A.	APHA 23rd Edition 3111 B
10.	Total Inorganic Solids	7% ¢	11.04	N.A.	APHA 23rd Edition 2540 C
11.	Total Alkalinity as CaCo3	gm/kg ;	2.4	N.A.	APHA 23 rd Edition 2320 B
12.	Phosphate	gm/kp :	N.D.	N.A.	APHA 23 rd Edition 4500 P - C

Remark: 5 % leachate solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Name : Bhavisha Palloya

Designation : Sr.Chemist

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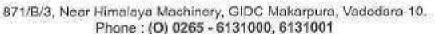
The results reported above relate to the sample Mord Sed under Sample Details.

	TEST REPORT FORMAT - SOLID WAST	Ē
DOC. NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03
Medive Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: JUL22/146/43

SAMPLE DETAILS

244			DETAILS
L	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayal" Plot No 1,GIDC Vilaya Pincode-392140.		td.,- Chemical Division. trial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246 - 146JU22HW02	3.	Client Representative: Mr. Vikas Valand
4.	Sample Date: 25.07.2022	5.	Sampling location: Phosphoric Acid
6.	Analysis commenced on: 26.07.2022	7.	Analysis Completed on: 05.08.2022
8.	Reporting Date: 05.08.2022	9.	Sample Collected By: Mr. Vimal Chauhan
10.	Physical Status: Solid	11.	Discipline: Chemical
12,	Sample Category: -	13.	Group: Pollution and Environment
14.	Colour: Green	15.	Product: Solid Waste
16.	Description of sample: Packed and scaled in	polythe	rie bags.√
17.	Sample Received Date: 26.07,2022		PINARIE CAR

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification / SPCB Norms / BIS Standards	Method Used
1.	pH He		7.05	N.A.	APHA 23rd Edition 4500-H* B
2.	% Moisture Contents	% 0	37,38	N.A.	APHA 23rd Edition 2540 C
3.	CO0.	gm/kg :	3.76	N.A.	APHA 23rd Edition 5220 B
4.	Cyanide	gm/kg :	N.D.	N.A.	APHA: 23rd Edition 4500 CN E
5.	Diromium	gm/kg	<0.0002	N.A.	APHA 23 rd Edition 3500 Cr - B
6,	Copper	gm/kg :	<0.0006	N.A.	APHA 23rd Edition 3111 B
7.	Load	gm/kg :	<0.0004	N.A.	APHA 23 rd Edition 3111 B
8.	Nickel	gm/kg :	<0.0004	N.A.	APHA 23rd Edition 3111 B
9.	Zinc	gm/kg :	<0.0006	N.A.	APHA 23rd Edition 3111 B
10.	Total Inorganic Solids	% E	16.48	N.A.	APHA 23 ^H Edition 2540 C
11.	Total Alkalinity as CaCc3	gm/kg s	3.8	N.A.	APHA 23" Edition 2320 B
12.	Phosphate	gm/kg :	0.032	N.A.	APHA 23" Edition 4500 P - C

Remark: 5 % leaching solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Designation : Sr.Chemist

Nome : Bhavisha Pandya NOTE

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Re analysis of comple will be done, if requested within 2 days from the swie of Reporting of sample if the samples are not consumed. during analysis.

The results reported above rotate to the comple identified under Sample Datails.

	TEST REPORT FORMAT - SOLID WAST	E
DOC, NO.: LAB-FMT-053	Issue No.: 62	Revision No.: 03
Mestive Date: 01.03.2021	Issue Dete: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: JUL22/146/44 (ULR-TG709922000014818F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Ind Pincode 392140.	: Ltd.,- Chemi ustrial Estate,	Bharuch, PO-Villayat, Taluka-Vagra Suljarat.
2.	Sample ID: 2252908246 - 1463U22N001	3	Client Representative: Mr.Vikas Valand
4.	Sampling Date: 25.07.2022	5,	Sample Collected By: Mr. Vimal Chauhan
6.	Analysis commenced on: 25.07.2022	7.	Analysis Completed on: 25.07.2022
8	Reporting Date: 05.08.2022	9,	Sampling Location:
10.	Discipline: Chemical	13.	Sample Received Date : 25.07.2022
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels		

TEST RESULTS

120		- 8	Day	N	ight		
S. No.		Location	Time	Reading dB(A)	Time	Reading dB(A)	Method
1.	Nr. Main Gate	10:30 hr	52.3	23:00 hr	50.2	IS 9989: 1981	
2.	Nr. ALCP Plant	11:00 ftr	59.4	23:30 hr	57.3	15 9989: 1981	
3.	Nr.PAC Plant	11:30 hr	67.3	24:00 hr	64.6	IS 9989: 1981	
4.	Nr.Cl.2 Area	12:00 hr	55.3	00:30 hr	53.1	IS 9989: 1981	
5.	Nr.ETP	12:30 hr	59.7	01:00 hr	57.2	IS 9989: 1981	
6.	Near Coal Tippler	13:00 hr	61.3	01:30 hr	59.5	IS 9989: 1981	
7.	Fiber Main Gate	13,30 hr	53.2	02:00 hr	50.9	15-9989: 1981	
8.	Fiber Material Gate	14:00 hr	55.3	02:30 hr	52.6	IS 9989: 1981	

Remark:

Authorized By -

Name: Bhavisha Pandya

Designation : Sr.Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not 2) consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - NOISE	
DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02
Effective Date: . 01.07.2020	Issue Date: 01-05-2015	Kevision Date: 01,07,2020.





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/01 (ULR- TC709922000014795F)

SAMPLE DETAILS

1.	Particulate matural	Tright rest.	11		1.00	The second secon		
No.	Particulate Matter	mg/Nm³	1 3	18	BIS Standards 150	IS 11255 (Part 1): 1985		
S.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/	Method Used		
7.	Quantity of fuel used			N.A.				
6.	Type of fuel used		1	N.A.				
5.	Velocity	m/s	1	5.5				
4.	Temperature	°C	3	74				
3.	Diameter	mm	2					
2.	Height	m	. 5.	(L)				
1.	Source			Calcium Chlo	ride Plant			
S.No.	Parameters	Unit (SI)			<u>Descrip</u>	otion		
17.	Dumple Machine Barry		STA	CK DETAILS				
17.	Sample Received Date: 27:07:2022							
16.	Description of Sample:	Sampling Bottles	: 5	ealed	Thimble:Packed V	Bladder: Clamped		
14.	Sampling Procedure: IS I		17		Stack Emission			
12.	Sample Collected By: Mr.				Atmospheric Pollutio	n		
8. 10.	Reporting Date: 05.08.20		-		e: Chemical			
6.	Analysis commenced on:	27 07 2022	-		Completed on: 27.			
4.	Sample Date: 26.07.2022 Sampling Time: 14:00 hr		_		Duration: 20 Mins			
2,	Sample ID: 2252908246		4000	5. Sampling	Location: Calcium C	Chloride Plant		
	"Coustic Plant-Vilayat" Plo Pin code-392140.	ot No. 1,GIDC Vilay	at .	stries Ltd., Chemical Division. It Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. 3. Client Representative: Mr. Vikas Valand				

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. 7) are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01:03:2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/07 (ULR-TC709922000014601F)

SAMPLE DETAILS

		re a cara como como como como de contra de la como de l		APLE DETAI	Market Co.			
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.		ıyat	Industrial Es	tate,Bharuch,PO-Villa	yat Taluka Vagra Gujarat.		
2.	Sample ID: 2252908246	- 146JU22SE07		3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 25.07.202	2	. 9	5. Sampli	ng Location: Chlorinate	ed Paraffin Plant		
6.	Sampling Time: 12:30 hr		15		ng Duration: 15 Mins			
8.	Analysis commenced on:	27.07.2022	12	9. Analys	is Completed on: 27.	07.2022		
10.	Reporting Date: 05.08.2	022	13	Disciple	ine: Chemical			
12.	Sample Collected By: Mr	Vimal Chauhan			Atmospheric Pollutio	n		
14.	Sampling Procedure: IS	Method	E	15. Produc	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:		HEAT.	2-34-300-200	1717 - 1700 (Artis 1817 (1904 - 1			
		3	ST	ACK DETAIL	S			
S.No.	<u>Parameters</u>	Unit (SI)	ľ	Description				
1,	Source		1	Chlorinated	Paraffin Plant			
2.	Height	m	3	35	2000240145200000 N. C.			
3.	Diameter	mm	1	350				
4.	Temperature	%G	2	34				
5.	Velocity	m/s	3					
6.	Type of fuel used		4	N.A				
7.	Quantity of fuel used		1	N.A		v = = = = = = =		
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
£	O₂	mg/Nm ³	:	0.794	9	LAB-50P-104		
Rema	rk:							
Autho	orized By -							
Name	: Bhavisha Pandya			Designa	tion : Sr. Chemist			

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By protyck of cample will be done, if requested within 7 days from the date of Reputling of sample if the samples are not consumed during analysis.

The results reported above relate to the cample identified under Sample Details.

END OF REPORT-------

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FNT-052	Issoe No.: 02	Revision No.: 03				
Effective Date: . 01.03.2021	Issue Date: Dt-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/08 (ULR-TC709922000014802F)

SAMPLE DETAILS

	e de l'independent Manage Manage de la popular de la popul		-	IPLE DETAIL	THE CO. LEWIS CO., LANSING, MICH.				
(1,)	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					vat Taluka-Vagra, Gujarat,			
2.	Sample ID: 2252908246	- 146JU22SE08	3	3. Client F	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 25:07.202	2		5. Samplin	ng Location: Sodium I	typo Stack - 1			
6.	Sampling Time: 12:20 h	39	13	Samplir	ng Duration: 15 Mins				
8.	Analysis commenced on:	27.07.2022		9. Analysi	is Completed on: 27.0	07.2022			
10.	Reporting Date: 05.08.2	022	. 8	11. Discipli	ne: Chemical				
12.	Sample Collected By: Mr	. Vimai Chauhan		And the local control of the local division in the local division	Atmospheric Pollution				
14.	Sampling Procedure: IS	Method	18	15. Product	t: Stack Emission				
16.	Description of Sample:	Sampling Bottle	s: 5	ealed V	Thimble: Packed	Bladder: Clamped			
17.	Sample Received Date:								
WEARING.		oceerooodore II	ST	ACK DETAIL	S				
S.No.	Parameters	Unit (SI)	П		Description				
1.	Source		3	Sodium Hy	po Stack – 1				
2.	Height	m	1	35					
3.	Diameter	mm	14	450					
4.	Temperature	9ć	1	34					
5.	Velocity	m/s	1	(E)					
6.	Type of fuel used		1	N.A					
7.	Quantity of fuel used		1	N.A					
S. No.	Parameters	<u>Unit (\$3)</u>		Results	Specification/ SPCB Norma/ BIS Standards	Method Used			
34	Clz	mg/Nm³	1	1.971	9	LAB-SOP-104			
Rema	rk:	THE PROPERTY OF THE PARTY OF TH	-						
Autho	orized By -			LIMI -					
Name	: Bhavisha Pandya			Designal	tion : Sr. Chemist				

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the tample identified under Sample Details.

END OF REPORT-

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Isoue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/09 (ULR-TC709922000014803F)

CAMBLE BETATUS

	AGENCIA SECULIA DE LA CARRESTA DE L		-		DETAIL	The second second second second		
⊒ke	Name 8 Address of Client "Caustic Plant-Vilayat" Pio Pin code 392140.			Indus			at Taluka-Vagra. Gujarat.	
2.	Sample ID: 2252908246 -	146JU22SE09		Client Representative: Mr. Vikas Valand				
4.	Sample Date: 25.07.2022		9	5.	Sampli	ng Location: Sodium F	lypo Stack - 2	
6.	Sampling Time: 12:25 hr			7,	Sampli	ng Duration: 15 Mins	10:	
8.	Analysis commenced on: 2	27.07.2022	. 1	9.	Analysi	s Completed on: 27.0	07.2022	
10.	Reporting Date: 05.08.202	22		11.	Discipli	ne: Chemical	0=10:00	
12.	Sample Collected By: Mr.	Vimal Chauhan				Atmospheric Pollution	ř.	
14.	Sampling Procedure: IS M	ethod		15.	Produc	t: Stack Emission		
16.	Description of Sample:	Sampling Bottles	s	sealed	√	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 27		0.5	1,000				
			ST	ACK D	ETAIL	S		
S.No.	Parameters	Unit (SI)		Description				
1.	Source		1	Sodi	um Hy	po Stack – 2		
2:	Height	nii	3	35		HENDUNOTATE BOTH TO GROUP		
3,	Diameter	mm	13	450				
4.	Temperature	°C	1	36				
5.	Velocity	m/s	1	-				
6.	Type of fuel used	77.000.00	13	N.A				
7.	Quantity of fuel used		:	N.A				
S. No.	Parameters	Unit (SI)	6,000	Re	sults	SPCB Norms / BLS Standards	Method Used	
1.	Cit C	nog/Nm3		1	708	9	LAB-SOP-104	
Rema	rk: OW-		distri	3/	0.0000			
Autho	orized By -							
Name	: Bhavisha Pandya			Do	esigna	tion : Sr. Chemist		

MOTEL

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

TEST REPORT FORMAT - STACK						
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date:, 01.03-2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/10 (ULR-TC709922000014804F)

SAMPLE DETAILS

	A SALES AND A	and the comment of the same of		APLE DETAI	AND THE RESERVE OF THE PROPERTY OF THE PROPERT			
L	Name 8. Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.					rat Taluka-Vagra Gujarat.		
2	Sample ID: 2252908246	146JU22SE10	1 3	3. Client	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 25.07.2022			5. Sampl	ing Location: Aluminius	m Chloride Plant		
6.	Sampling Time: 14:30 hr		100	7. Sampl	ing Duration: 15 Mins	Nethal (Logwi-SW-W-S)		
8.	Analysis commenced on:	27.07.2022		9. Analys	is Completed on: 27.0	7.2022		
10.	Reporting Date: 05.08.20	22	15	Discip	line: Chemical			
12.	Sample Collected By: Mr.	Vimal Chauhan	_		: Atmospheric Pollution	1		
14.	Sampling Procedure: IS N	ethod		15. Produ	ct: Stack Emission	I December to be up to construct		
16.	Description of Sample:	Sampling Bottle	s: S	ealed V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 2	7.07.2022						
	N. C.		ST	ACK DETAIL	<u>S</u>			
S.No.	Parameters	<u>Unit (51)</u>	П		<u>Pescription</u>			
1.	Source		3	Aluminium	Chloride Plant			
2.	Height	m	18	35				
3.	Diameter	mm	12	350				
4.	Temperature	°C	13	38				
5.	Velocity	m/s		0.00				
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used		12	N.A				
S. No.	Parameters	Unit (SI)		Rocults	Specification/ SPCR Norms/ BIS Standards	Method Used		
35	Cl2	mg/Nm ³		0.521	9	LAB-SOP-104		
Rema	rk: (6) ray					N.		
CONTRACTOR OF STREET	orized By -			40				
Name	: Bhavisha Pandya			Designa	ition : Sr. Chemist			

NOTE:

1)

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of cample if the camples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK						
DOC, NO.: LAB-EMT-052	Tostue No.: C2	Revision No.: 03				
Effective Date:, 01.03,2021	Isoue Date: 01-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/11 (ULR-TC709922000014805F)

SAMPLE DETAILS

-	: Bhavisha Pandva			Doctors	tion : Sr. Chemist	715
Autho	rized By -			110		
Rema	rk: (A)		diam'r.			District Control of the Control of t
1.	Cl2	mg/Nm³	3	0.419	9	LAB-SOP-104
S. No.	Paramotors	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
7.	Quantity of fuel used		:	N.A		
6.	Type of fuel used			N.A		
5.	Velocity	m/s		+		
4,	Temperature	D _C		36		
3.	Diameter	mon	-	200		
2.	Height	m	6	35	ter an energia en	
1,	Source		1	Stable Bleaching Powder Plant		t
S.No.	Parameters	<u>Unit (SI)</u>			Description	
	- 1 2		ST.	ACK DETAIL	LS	
17.	Sample Received Date: 2					THE PARTY OF THE P
16.	Description of Sample:	Sampling Bottle	s: S	ealed V	Thimble:Packed	Bladder: Clamped
14.	Sampling Procedure: 15 N	1ethod	1	15. Produ	ct: Stack Emission	
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Pollution	1
10.	Reporting Date: 05.08,2022			the Party and State of the State of the	line: Chemical	P0050 (\$1000)
8.	Analysis commenced on: 27.07.2022				sis Completed on : 27.0	07.2022
6.	Sampling Time: 14:30 hr			T. 100 T.	ling Duration: 15 Mins	MCSCHETT IN BASICAL PROPERTY CO.
4.	Sample Date: 25.07.2022				ling Location: Stable Bl	
2.	Sample ID: 2252908246	- 146JU22SE11	1	3. Client	Representative: Mr.Vik	as Valend
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pla Pin code-392140.					vat Taluka-Vagra.Gujarat.
		CAN BE SEED OF THE	4	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	

NOTE:

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The results reported above relate to the sample identified under Sample Dotals.

-- END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FNT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/12 (ULR-TC709922000014806F)

SAMPLE DETAILS

1.	Name & Address of Clier		-	MPLE DETAIL stries Ltd Che			
3 * 16	"Caustic Plant-Vilayat" P. Pin code-392140.				THE PERSON NAMED IN CONTROL OF	vat Talluka-Vagra.Gujara	
2.	Sample ID: 2252908246	- 146JU22SE12		3. Client R	epresentative: Mr.VII	kas Valand	
4.	Sample Date: 25.07.2022			10000000000000	Sampling Location: Poly Aluminium Chloride Plant (Old Powder Plant)		
6.	Sampling Time: 12:35 hr	03	1	7. Samplin	g Duration: 15 Mins		
8.	Analysis commenced on: 27.07.2022			9. Analysis	Completed on: 27.0	07.2022	
10.	Reporting Date: 05:08.2022			11. Disciplin	e: Chemical		
12.	Sample Collected By: Mr	Vimal Chauhan		13. Group: a	Atmospheric Pollution)	
14.	Sampling Procedure: IS	Method		15. Product	Stack Emission		
16.	Description of Sample:	Sampling Bottle	5. 5	Sealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 2						
			ST	ACK DETAILS			
S.No.	Parameters	Unit (SI)	Ħ	Description			
1.	Source		3	Poly Aluminiu	ım Chloride Plant (O	ld Powder Plant)	
2.	Height	m	1	35			
3.	Diameter	mm	1	350			
4,	Temperature	°c	4	30			
5.	Velocity	m/s	1	ie.			
6.	Type of fuel used		14	N.A			
7.	Quantity of fuel used		3	N.A.			
S. <u>No.</u>	Parameters	Unit (S1)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
	Cl2	mg/Nm³	3	0.562	9	LAB-SCP-104	
E			-				
	rk:						
Remai	rk:						
Remai Autho				Designati	on : Sr. Chemist		

MOTE:

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The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK					
OCC. NO.: LAB-FMT-052	Essue No.: 02	Revision No.: 03			
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01 03:2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/13 (ULR-TC709922000014807F)

SAMPLE DETAILS

4.1	Name & Address of Clier		200	-	DETAIL				
1.							vat Taluka-Vagra Gujarat.		
2	Sample ID: 2252908246	le ID: 2252908246 - 146JU22SE13		3.	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 25,07,2022			5.		ng Location: Poly Alur r Plant)	ninium Chloride Plant (New		
6.	Sampling Time: 13:30 hr			7.	Sampli	ng Duration: 15 Mins			
8.	Analysis commenced on: 27.07.2022			9.	Analys	is Completed on: 27.0	07,2022		
10.	Reporting Date: 05.08.2022			11.	Discipli	ine: Chemical			
12.	Sample Collected By: Mr	. Vimal Chauhan		13.		Atmospheric Pollution	1		
14.	Sampling Procedure: IS	Method		15.	Produc	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	S1 5	ealed	IV.	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:								
		inches de la	ST	ACK	DETAIL	S			
S.No.	Parameters	Unit (SI)				Descrip	tion		
1.	Source		T.	Poly	y Alumi	nium Chloride Plan	t (New Powder Plant)		
2.	Height	m	13	35					
3.	Diameter	mm	1:	350					
4,	Temperature	°C	12	33					
5.	Velocity	m/s	18						
6.	Type of fuel used		Fe	N.A					
7.	Quantity of fuel used		2	N.A					
S. No.	Parameters	Unit (ST)		B	esults	Specification/ SPCB Norms/ BIS Standards	Method Used		
10	O2	mg/Nm³	125		0.491	9	LAB-SOP-104		
Rema	rk:		1000				W		
Autho	rized By -					5.0			
Name : Bhavisha Pandya				- 0	eciona.	tion : Sr. Chemist			

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03:2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/14 (ULR-TC709922000014808F)

SAMPLE DETAILS

			opposite the same of	MPLE C	decide the second	the state of the s		
1,	Name & Address of Clie "Caustic Plant-Vilayet" F Pin code-392140.				AND DESCRIPTION OF THE PARTY OF		ayat Taluka-Vagra.Gujarat.	
2.	Sample 1D: 2252908246	- 146JU225E14		3. (Client Representative: Mr.Vikas Valand			
4.	Sample Date: 25.07.2022				Sampli Plant)		uminium Chloride Plant (Liqui	
6.	Sampling Time: 12:45 hr			7. 5	Sampl	ing Duration: 15 Min	s	
8.	Analysis commenced on: 27.07.2022			9. /	Analys	is Completed on : 27	7.07.2022	
10.	Reporting Date: 05.08.2022			11. (Discipl	ine: Chemical		
12.	Sample Collected By: Mr	. Vimal Chauhan		13. 0	Group	: Atmospheric Polluti	on	
14.	Sampling Procedure: IS	Method		15. F				
16.	Description of Sample:	Sampling Bottle	51.5	Sealed v		Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	27.07.2022						
			ST	ACK DI	ETAIL	S		
S.No.	<u>Parameters</u>	Unit (SI)		<u>Description</u>			ption	
1.	Source		1	Poly /	Alumi	inium Chloride Pla	nt (Liquid Plant)	
2.	Height	m	1				The first of the second sector for	
3.	Diameter	mm	0	350				
4.	Temperature	%C	13	34				
5.	Velocity	m/s	13	15.				
6.	Type of fuel used		-	N.A.				
7.	Quantity of fuel used		12	N.A				
<u>S.</u> No.	Parameters	Unit (SI)		Res	ults	Specification/ SPCB Norms/ BIS Standards	Method Used	
1,0	Çb	mg/Nm²	15	0.6	355	9	LAB-SOP-104	
Remar	rk: (ca)							
Author	rized By -							
Name	: Bhavisha Pandya			Des	sional	tion : Sr. Chemist		

NOTE:

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Re analysis of sample will be done, If requested within 7 days from the date of Reporting of sample If the samples are not consumed during analysis:

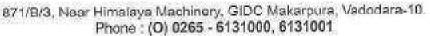
The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Oxto: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/15

SAMPLE DETAILS

4.6	irk:	309/2007	1 6	0.4645356	840	TATAL DE DESCRIPTION AND	
12	HCL	mg/Nm³	2	12.71	35	APHA 23 rd Edition: 4500 - CI 0	
E, No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
. 7.	Quantity of fuel used		3	N.A			
6.	Type of fuel used	S TOTAL STATE OF	14	N/A			
5.	Velocity	m/s	3	8			
4.	Temperature	%c	(3)	34			
3.	Diameter	mm	4	150			
2.	Height	m		35			
1,	Source		131	HCL Stack -	HCL Stack - 1		
S.No.	Parameters	Unit (SI)		Description			
		10	5T/	ACK DETAIL	5		
17.	Sample Received Date: 27	7.07,2022		AND THE RESERVE			
16.	Description of Sample:		s: S	ealed √	Thimble:Packedy	Bladder: Clamped	
14.	Sampling Procedure: IS M			15. Produc	t: Stack Emission		
12.	Sample Collected By: Mr.		_		Atmospheric Polluti	on	
10.	Reporting Date: 05,08,200	5000		THE RESERVE AND ADDRESS OF THE PARTY OF THE	ine: Chemical		
8.	Analysis commenced on: 27.07.2022				is Completed on : 27		
6.	Sampling Time: 11:30 hr		13		ng Duration: 15 Mins		
4.	Sample Date: 25.07.2022	14030223013	t	The second second	ng Location: HCL Sta	The state of the s	
2.	Pin code-392140. Sample ID: 2252908246 -	1467H2295E15		3. Client l	Representative: Mr.V	likas Valand	
1.						ayat Taluka-Vagra.Gujarat.	

Name: Bhavisha Fandya

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples.

 Re analysis of sample will be done, if requested within 7 days from the date of supporting of sample if the sample are not consumed during analysis.

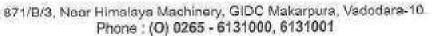
The results reported above relate to the sample identified under Sample Details.

 END OF REPORT

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Isque No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03:2011				

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/16

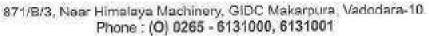
SAMPLE DETAILS

			110				
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.					ıyat Taluka-Vagra, Gujarat.	
2.	Sample ID: 2252908246 - 146JU22SE16		13	3. Client	Representative: Mr.V	Ikas Valand	
4.	Sample Date: 25.07.2022			5. Samp	ling Location: HCL Star	sk - 2	
6.	Sempling Time: 11:35 hr			7. Samp	ing Duration: 15 Mins	i)	
8.	Analysis commenced on: 27.07.2022			9. Analy	sis Completed on: 27	.07.2022	
10.	Reporting Date: 05.08.2022			Discip	line: Chemical		
12.	Sample Collected By: Mr. Vimal Chauhan			Group	o: Atmospheric Pollutio	on.	
14.	Sampling Procedure: IS I	Method		15. Produ	ct: Stack Emission		
16.	Description of Sample:	Sampling Bottle	5: 5	ealed V	Thimble:Packed√	Bladder: Clamped	
17.	Sample Received Date:	27.07.2022					
		3	ST.	ACK DETAI	LS		
S.No.	Parameters	Unit (SI)			Description		
1.	Source		3	HCL Stack - 2			
2.	Height	m	1.	35			
3.	Diameter	mm	3	150			
4.	Temperature	D _C	12	34			
5.	Velocity	m/s	1	30			
6.	Type of fuel used	70,000		N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Perameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCt:	mg/Nm ³	H	10.59	35	APMA 23 rd Edition: 4500 - Cl C	
Rema	ork:						
Autho	orized By -						
Name	e : Bhavisha Pandya			Design	ation : Sr. Chemist	COMMODARY_LO	
2007	IOT: 1) Paraste may be a	and the state of the state of the state of	1 14	a state to first an	all and the redship in might be a financial to	at all the felencetons	

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/17

SAMPLE DETAILS

				IPLE DETA					
1.	"Caustic Plant-Vilayat" Plot No. 1, GEDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. Pin code-392140.								
2.	Sample ID: 2252908246	- 146JU22SE17	115	Client	Representative: Mr.V	/ikas Valand			
4.	Sample Date: 25.07.2022	6 6		5. Samp	ing Location: HCL St.	ack - 3			
6.	Sampling Time: 12:00 hr			7. Samp	ing Duration: 15 Min	5			
8.	Analysis commenced on:	27.07.2022		9. Analy	sis Completed on: 27	7.07.2022			
10.	Reporting Date: 05.08.20	22	JJ.	11. Discip	line: Chemical				
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Polluci	on:			
14.	Sampling Procedure: 15 N	lethod		15. Produ	ct: Stack Emission				
16.	Description of Sample:	Sampling Bottle	s: 5	ealed V	Thimble:Packed V	Bladder: Clamped			
17.	Sample Received Date: 2				60 h				
		Service of the servic	ST.	ACK DETAI	LS				
S.No.	<u>Parameters</u>	Unit (SI)	ľ	Description					
1.	Source		1	: HCL Stack - 3					
2	Height	m		35					
3.	Diameter	mm	1	150					
4.	Temperature	o _C	13	32					
5.	Velocity	m/s	1	-					
6.	Type of fuel used		3	N.A					
7.	Quantity of fuel used		1	N.A					
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
1.	на	mg/Nm³	4	11.57	35	APHA 23™ Edition: 4500 - © C			
Rema	irk: (N)		700		**				
	orized By			T Brown and	N E SL				
Name	: Bhavisha Pandya			Design	ation: Sr. Chemist				

NOTE:

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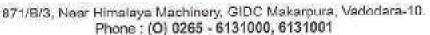
Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT.

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03,2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/18

SAMPLE DETAILS

W						
					yat Taluka-Vagra,Gujarat.	
Sample ID: 2252908246	- 146JUZZSE18	13	3. Client F	Representative: Mr.V	ikas Valand	
Samplé Date: 25.07.2022	2		5. Samplin	ng Location: HCL Sta	ck - 4	
Sampling Time: 12:10 hr		1 5	7. Samplin	ng Duration: 15 Mins		
Analysis commenced on:	27.07.2022		9. Analysi	s Completed on: 27	.07,2022	
Reporting Date: 05.08.20	022	1	Discipli	ne: Chemical		
Sample Collected By: Mr.	Vimal Chauhan		13. Group:	Atmospheric Pollutio	on .	
Sampling Procedure: IS I	ture: IS Method 15. Product: Stack Emission					
Description of Sample:	Sampling Bottle	s: S	ealed V	Thimble:Packed √	Biadder: Clamped	
Sample Received Date: 2					TO SECURITION OF THE SECURITION OF	
37		ST	ACK DETAIL	S		
<u>Parameters</u>	Unit (SI)		Description			
Source		9.	HCL Stack -	HCL Stack - 4		
Height	m	14	35			
Diameter	mm	1	150			
Temperature	P _C	1	32			
Velocity	m/s	3	63			
Type of fuel used	100000	3	N.A			
Quantity of fuel used		1	N.A.	W		
- Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
HCL	mg/Nm³	15	12.10	35	APHA 23rd Edition: 4500 - CLC	
rk:		717		201		
rized By -				Mi		
: Bhavisha Pandya			Designa	tion : Sr. Chemist		
	"Caustic Plant-Vilayat" Pla Pin code-392140. Sample ID: 2252908246 Sample Date: 25.07.2023 Sampling Time: 12:10 for Analysis commenced on: Reporting Date: 05.08.20 Sample Collected By: Mr. Sampling Procedure: IS if Description of Sample: Sample Received Date: 2 Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters HCL rk: rized By -	Name & Address of Client: M/s. Grasim In "Caustic Plant-Vilayat" Plot No 1,GDC Vila Pin code-392140. Sample ID: 2252908246 – 1463U22SE18 Semplé Date: 25.07.2022 Sampling Time: 12:10 hr Analysis commenced on: 27.07.2022 Reporting Date: 05.08.2022 Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 27.07.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature %c Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) HCL mg/Nm³ HCL mg/Nm³ HCL mg/Nm³	Name & Address of Client: M/s. Grasim Indus "Caustic Plant-Vilayat" Plot No. 1, GIDC Vilayet Pin code-392140. Sample ID: 2252908246 - 1463U22SE18 Semplé Dete: 25.07.2022 Sampling Time: 12:10 hr Analysis commenced on: 27.07.2022 Réporting Date: 05.08.2022 Somple Collected By: Mr. Vimal Chauhan Sampling Procedure: IS Method Description of Sample: Sampling Bottles: S Sample Received Date: 27.07.2022 ST. Parameters Unit (SI) Source : Height m : Diameter mm : Temperature %c : Velocity m/s : Type of fuel used : Quantity of fuel used : Quantity of fuel used : Parameters Unit (SI) HCL mg/Nm³ : riced By -	Name & Address of Client: M/s. Grasim Industries Ltd.,- Ch "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Est Pin code-392140. Sample ID: 2252908246 – 1463U22SE18 3. Client if Sample Date: 25.07.2022 5. Sampling Sampling Time: 12:10 hr 7. Sampling Analysis commenced on: 27.07.2022 9. Analysi Reporting Date: 05.08.2022 11. Discipil Sampling Procedure: IS Method 13. Group: Sampling Procedure: IS Method 15. Produc Description of Sample: Sampling Bottles: Sealed v Sample Received Date: 27.07.2022 STACK DETAIL Parameters Unit (SI) Source 1 HCL Stack - Height m 35 Diameter mm 1: 150 Temperature 9c 1: 32 Velocity m/s 1 Type of fuel used 1: N.A Quantity of fuel used 1: N.A Parameters Unit (SI) Results HCL mg/Nm³ 1: 12.10 rk : rized By -	Sample ID: 2252908246 - 146JU22SE18 3. Client Representative: Mr.V Semplé Date: 25.07.2022 5. Sampling Location: HCL State Sampling Time: 12:10 hr 7. Sampling Duration: 15 Mins Analysis commenced on: 27.07.2022 9. Analysis Completed on: 27 Reporting Date: 05.08.2022 11. Discipline: Chemical Sampling Procedure: IS Method 13. Group: Atmospheric Pollutic Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: 27.07.2022 STACK DETAILS Parameters Unit (SI) Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: 27.07.2022 STACK DETAILS Parameters Unit (SI) Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: 27.07.2022 STACK DETAILS Parameters Unit (SI) Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: 27.07.2022 STACK DETAILS Parameters Unit (SI) Description of Sample: Packed √ Sample Received √ Sample Re	

NOTE:

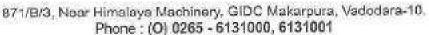
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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 DOC: NO.: LAB-FMT-052. Issue No.: 02 Revision Date: 01 03 2021 Difective Date: 81.03.2021 Ispue Date: 01-01-2019

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/19

SAMPLE DETAILS

9138	Name & Address of Client		-	IPLE DETA tries Ltd	The state of the s	
			CONTRACTOR OF THE PARTY OF THE			ayat Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246	- 146JU22SE19	13	Clien	t Representative: Mr.\	fikas Valand
4.	Sample Date: 26.07.2022			5. Samp	oling Location: Phospho	oric Acid Plant
6.	Sampling Time: 14:30 hr				oling Duration: 20 Min	5.
8.	Analysis commenced on:	27.07.2022	13	Commence of the Commence of th	ysis Completed on: 27	7.07.2022
10.	Reporting Date: 05.08.20	22	119		pline: Chemical	
12.	Sample Collected By: Mr.	Vimal Chauban	_		p: Atmospheric Polluti	on
14.	Sampling Procedure: IS N				uct: Stack Emission	
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed v	Bladder: Clamped
17.	Sample Received Date: 2					
		- 9	ST	ACK DETA	ILS	
S.No.	<u>Parameters</u>	Unit (SI)		Description		
i.	Source		1	Phosphor	ic Acid Plant	
2.	Height	(300)	1	35		
3.	Diameter	mm	1	350		
4.	Temperature	P _C		38		
5.	Velocity	m/s	1	5		
6.	Type of fuel used		3	N.A		
7.	Quantity of fuel used		1	N.A		W.
5. No.	. Parameters	<u>Unit (51)</u>		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HCI,	mg/Nm³	3	6,44	20	APHA 23% Edition: 4500 - CI C
2.	HF	mg/Nm³	34	N.D.	6	1S 11255 (Part 5): 1990
	rk : N.D Not Detecte	d.			-W	
Autho	orized By -					
Name	: Bhavisha Pandya			Design	nation : Sr. Chemist	60.5

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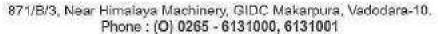
Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Ontals.

END OF REPORT-

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Deter: 01-03-2021	Isous Date: 01-01-2015	Revision Date: 01.03.2021

(MoEF Approved)





ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/20

SAMPLE DETAILS

g. T	Name & Address of Clien	: H M/e. Graeim Ir	od or	etriae I te	. Cha	emics Division	
1.		THE RESERVE OF THE PARTY OF THE					layat Taluka-Vagra.Gujarat,
2.	Sample ID: 2252908246	- 146JU22SE01	3. C	lent R	epresentative: Mr.\	Vikas Valand	
4.	Sample Date: 26.07.2022	2		5. S	amplin	g Location: Calcium	Chloride Plant
6.	Sampling Time: 14:00 hr			7. S	amplin	g Duration: 20 Min	15
8.	Analysis commenced on:	27.07.2022		9, A	nalysis	Completed on : 2	7.07.2022
10.	Reporting Date: 05.08.20	22		11. D	isciplin	e: Chemical	
12.	Sample Collected By: Mr.	Vimal Chauhan		13. G	roup: /	Atmospheric Pollut	ion :
14.	Sampling Procedure: IS N	fethod	-13	15. P	oduct	Stack Emission	w-11
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed V		Thimble:Packed √	Bladder: Clamped
17.	Sample Received Date: 2	7.07.2022					
	Mineral Control of the Control of th		<u>51</u>	ACK DE	TAILS		
S.No.	<u>Parameters</u>	Unit (SI)		Description			
1.	Source		13	Calcius	Calcium Chioride Plant		
2.	Height	m	14	11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	03770		
3.	Diameter	mm	4	4.1			
4.	Temperature	°C	3	74			
5.	Velocity	m/s	3	5.6			
6.	Type of fuel used	11500	13	N.A.			
7.	Quantity of fuel used		1	N.A.			
S ₀ No.	<u>Parameters</u>	Unit (SI)	0.00	Resu	Its	Specification/ SPCB Norms/ BIS Standards	Method Used
31,55	HOL	mg/Nm³	100			20	APHA 23rd Edition: 4500 - CI C
Rema	rk:						
Autho	rized By -						
Name	: Bhavisha Randya			Des	ignati	on : Sr. Chemist	

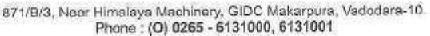
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The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-PMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021
Effective Date: 01.03.2021	1000e Date: 01-01-2015	Revision Date: 01.03.2

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/21

SAMPLE DETAILS

3- 4 -8-3	Name & Address of Clien "Caustic Plant-Vilayat" Ph Pin code-392140.				AND RESIDENCE OF THE PROPERTY	ayat Taluka-Vagra.Gujarat.	
.2.	Sample ID: 2252908246	- 146JU22SE07	15	3. Client	Representative; Mr.\	/ikas Valand	
4.	Sample Date: 25.07.2022			-	ling Location: Chlorina	ited Paraffin Plant	
6.	Sampling Time: 12:30 hr				ing Duration: 15 Min	ACCURATION OF THE PROPERTY OF	
8.	Analysis commenced on:	27.07.2022	13	9. Analy	sis Completed on : 22	7.07.2022	
10.	Reporting Date: 05.08,20	122		11. Discip	oline: Chemical		
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Poliuti	on	
14.	Sampling Procedure: IS f	4ethod		15. Produ	et: Stack Emission		
16.	Description of Sample:	Sampling Bottles	s: 5	ealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:				IR.		
		3	ST,	ACK DETAI	LS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source		:	: Chlorinated Paraffin Plant			
2.	Height	m		35			
3,	Diameter	mon	3	350 -			
4.	Temperature	9°C		34			
5.	Velocity	m/s	1				
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		4	N.A	9		
- 5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Morms/ BIS Standards	Method Used	
10	HCL	mg/Nm³	1	3.71	20	APHA 23 rd Edition: 4500 - Cl	
Rema Autho	rk:				10	=======================================	
	: Bhavisha Pandya		_	15.00	ation : Sr. Chemist		

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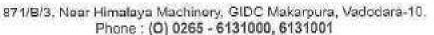
The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03,2021	Topue Date: 01-01-2015	Rigidision Date: 61 03 2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/22

SAMPLE DETAILS

			NAV II.	TIPLE DE IM	LD.		
1.	Name & Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.		THE RESERVE AND ADDRESS.			ayat Taluka-Vagra,Gujarat.	
2.	Sample ID: 2252908246 -	146JU22SE10		3. Client	Representative: Mr.	vikas Valand	
4.	Sample Date: 25.07.2022	N.		5. Samp	ling Location: Alumin	ium Chloride Plant	
6.	Sampling Time: 14:30 hr			7. Samp	ling Duration: 15 Min	15	
8.	Analysis commenced on:	27.07.2022		9. Analy	sis Completed on : 21	7.07.2022	
10.	Reporting Date: 05.08.20	22		11. Discip	line: Chemical		
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Polluti	on	
14.	Sampling Procedure: IS M	ethod		15. Produ	ct: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	ealed v	Thimble:Packed v	Bladder: Clamped	
17	Sample Received Date: 22	07.2022	73.54	500.5000 m	AN AND AND AN ARROWS		
			5T.	ACK DETAI	LS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source -		1	Aluminium Chloride Plant			
2.	Height	m		35			
3.	Diameter	mm		350			
4.	Temperature	00	1	38			
5.	Velocity	m/s	3	20			
6.	Type of fuel used			N.A			
7	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BTS Standards	Method Used	
1,0	HQ.	mg/Nm³	3	2.15	20	APHA 23 rd Edition: 4500 - Cl C	
Rema	irk: ()		1000		41		
Autho	orized By -						
Name	: Bhavisha Pandya			Design	stion : Sr. Chemist		
100			0.000.00	1 7 7 7 7 1 1 1 1			

NOTE:

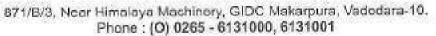
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TEST REPORT FORMAT - STACK	
Issue No.: 02	Revision No.: 03
Issue Date: 01-01-2015	Revision Date: 01,03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/23

SAMPLE DETAILS

. "	Name & Address of Clien		-	irler De IA	11499011400		
i.	"Caustic Plant-Vilayat" Plot No. 1, GEDC Vilayat Inclustrial Estate, Bharuch, PO-Villayat Taluka-Vagra: Gujarat. Pin code-392140.						
2.	Sample ID: 2252908246	- 146JU22SE11	1 2	Client	Representative: Mr.\	/ikas Valand	
14.	Sample Date: 25.07.202	2	1	5. Samp	ling Location: Stable	Bleaching Powder Plant	
6,	Sampling Time: 14:30 hr			7. Samp	ling Duration: 15 Min	S	
8.	Analysis commenced on:	27.07.2022			sis Completed on: 27	7.07.2022	
10.	Reporting Date: 05.08.2	022	13		dine: Chemical		
12.	Sample Collected By: Mr				: Atmospheric Polluti	on	
14	Sampling Procedure: IS	Method	L	Produ	ict: Stack Emission		
16.	Description of Sample:	Sampling Bottle	5: 8	ealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:					and the state of t	
			ST	ACK DETAI	LS		
5.No.	Parameters	Unit (SI)		Description			
1.	Source		13	Stable Bleaching Powder Plant			
2.	Height	m		35			
3.	Diameter	mm	13	200			
4.	Temperature	oc		36			
5.	Velocity	m/s	1	(*)			
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		3	N.A			
<u>S.</u> No.	Parameters	Unit (SI)		Results	Specification/ SPCR Norms/ BIS Standards	Method Used	
1.	HCL '	mg/Nm³	1	4,80	20	APHA 23 rd Edition: 4500 - Cl C	
Rema	rk: (A)		Lair.		311-7		
Auths	orized By -						
Name	: Bhavisha Pandya			Design	ation : Sr. Chemist	73 201	

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

2) Re analysis of cample will be done, if requested within 7 days from the date of Reporting of cample if the camples are not consumed during analysis.

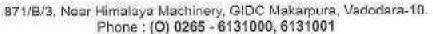
3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAS-FMT-052	Issue No.: 02	Revision No.: 03
Effective Dates, 01.03,2021	Issue Date: 01-01-2015	Revision Date: 01:08:2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/24

SAMPLE DETAILS

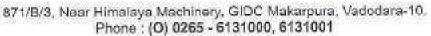
11.0	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					layat Taluka-Vagra Gujarat.		
2.	Sample ID: 2252908246	- 146JU22SE12	T	3. Clien	t Representative: Mr.	Vikas Valand		
4.	Sample Date: 25.07,202		1	- B - F- 500 V	pling Location: Poly Al Powder Plant)	uminium Ciloride Plant		
6.	Sampling Time: 12:35 h	-	Т	7. Sam	Sampling Duration: 15 Mins			
8.	Analysis commenced on	27.07.2022	1	9. Anal	Analysis Completed on : 27.07.2022			
10.	Reporting Date: 05.08.2	022		11. Disci	Discipline: Chemical			
12.	Sample Collected By: Mr	: Vimal Chauhan		13. Grou	p: Atmospheric Pollut	tion		
14.	Sampling Procedure: IS	Method		15. Prod	uct: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	Sealed V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:	27.07.2022						
		3	ST	ACK DETA	ILS			
S.No.	Parameters	Unit (SI)			Descr	iption		
1.	Source		1	Poly Alum	inium Chloride Plant	(Old Powder Plant)		
2.	Height	m	1	35				
3.	Diameter	mm		350				
4.	Temperature	eC.	13	30				
5.	Velocity	m/s		-				
6.	Type of fuel used		3	N.A				
7.	Quantity of fuel used		7	N.A				
- 5. <u>No.</u>	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1,	HCL	mg/Nm²	13	3.14	20	APHA 23" Edition: 4500 - Cl C		
Rema	rk: O.S.							
Autho	orized By -							
Mame	: Bhavisha Pandya			Design	nation : Sr. Chemis	6		

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample 7 the samples
are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Essue No.: 02	Revision No.: 03
ffective Date: 01:03:2021	Issue Date: 01-01-2015	Revision Date: 01 03:2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/25

SAMPLE DETAILS

1.0	Name & Address of Clien	t: M/s. Grasim In	dus		hemical Division.			
	"Caustic Plant-Vilayat" Pl Pin code-392140.	at No 1,GIDC Vila	yet	Industrial E	state, Bharuch, PO-VIII	ayat Taluka-Vagra,Gujarat.		
2.	Sample ID: 2252908246	- 146JUZZSE13	13	Client	Representative: Mr.\	/ikas Valand		
.4.	Sample Date: 25.07,2022	2		HERRY CONTRACTOR	Sampling Location: Poly Aluminium Chloride Plant (New Powder Plant)			
6.	Sampling Time: 13:30 hr			7. Samp	Sampling Duration: 15 Mins			
8.	Analysis commenced on:	27,07.2022		9. Analy	Analysis Completed on: 27.07.2022			
10.	Reporting Date: 05.08.20	222	1/8	11. Discip	line: Chemical			
12.	Sample Collected By: Mr.	Vimal Chauhan		13. Group	: Atmospheric Polluti	on		
14.	Sampling Procedure: IS I	Method		Produ	ct: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: 5	ealed √	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 2			TELEVISION OF THE PERSON OF TH	***	W		
			ST.	ACK DETAI	L <u>S</u>			
S.No.	Parameters	Unit (SI)			Descri	<u>ption</u>		
1.	Source		1	Poly Alumi	nium Chloride Plant	(New Powder Plant)		
2.	Height	200	1	35		77		
3.	Diameter	mm	1.7	350				
4.	Temperature	PC PC	1	33				
5.	Velocity	m/s	1	-				
6.	Type of fuel used	3,00,00,0	13	N.A				
7.	Quantity of fuel used		1.2	N.A	X			
. S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
16	HCL	mg/Nm³	3	4.22	20	APHA 23 rd Edition: 4500 - CLC		
Rema	rki. Och							
Autho	orized By -							
Name	: Bhavisha Pandya			Design	ation : Sr. Chemist			

NOTE:

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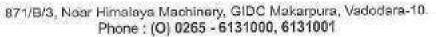
Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FNT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03,2021	Issue Date: 01-01-2015	Revision Date: 01.03/2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/26

SAMPLE DETAILS

and Chioride Plant (Liquid) er: Clamped
s: Clamped
r: Clamped
r: Clamped
er: Clamped
And the second of the second
rid Plant)
Method Used
23 rd Edition: 4500 - Cl C

NOTE

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FNT-052	Issue No.: 02	Revision No.: 03
[Hestive Date: 01.03.2021	Toque Date: 01-01-2015	Rovision Date: 01 03 2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/02 (ULR- TC709922006014796F)

	-000						
	-	A-140 MIN	6-81 197	1000	STATE OF THE PARTY.	8 T I	100
100	Sec. O.	MP	M - 18	10.00		64 H A	46.7
	NAME OF	B 10 40	300			-	

	PORT NO.: JULZZI 1400Z 1023	SF	MP	LE DETAILS					
	Name & Address of Client: M/: Caustic Plant-Viloyat [®] Plot No Pin code: 392140.	1,GIDC Vilay	at Ir	ndustrial Esta	G ⁱ briginnih za i meter				
2. 5	Sample ID: 2252908246 - 146	JU225E02	3	. Client Re	presentative: Mr. Vikas	- Agildi st			
4. 3	Sample Date: 26.07.2022		5	. Sampling	Sampling Location: D.G.Set - 1				
	Sampling Time: 11:30 hr		7	Sampling	Duration: 20 Mins	3022			
8.	Analysis commenced on: 27.07.2022		9	THE RESERVE TO SERVE THE PARTY OF THE PARTY	Completed on: 27.07	,2024			
10.	Reporting Date: 05.08.2022			L. Disciplin	Discipline: Chemical				
12.	Sample Collected By: Mr. Vim	al Chauhan	1	The second secon	Atmospheric Pollution				
7.7	Compling Provedure: IS Meth-	od	ALC: UNKNOWN	The state of the s	Stack Emission	Bladder: Clamped			
16.	D⇒scription of Sample: Sar	npling Bottles	, Se	aled V	Thimble: Packed V	Rigodet: Ciguibes			
17.	Sample Received Date: 27.07	2022			1.13/11/1				
17: 1:	Sample Recoived Both St.		STA	CK DETAILS					
S.No.	Parameters	Unit (SI)			Descripti	on			
T. 137.56				p.G.Set - 1					
1.	Source	m		36					
2.	Height	nom:		450					
3.	Diameter	O _C	13	142					
4.	Temperature	m/s	100	6.6					
5.	Velocity	100.5		HSD					
6.	Type of fuel used	lit/tur		600					
7. S. No.	Quantity of fuel used	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Nethod Used			
2000	The state of the s	mg/Nm³	14	47	150	IS 11255 (Part 1): 1985			
1.	Particulate Matter	ppm	13	11.75	100	IS 11255 (Part 2): 1985			
Ζ.	Sulphur Dioxide(SO ₂)	The state of the s	100	9.32	50	IS 5182 (Part 6.):2006			
3.	Oxides of Nitragen (NOx)	ppm	100	40.400					
Rema			_						
Auth	orized By - P		_	By Same	tion : Sr. Chemist				

Name: Bhavisha Pandya

11720

NOTE:

Designation : Sr. Chemist

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are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. 2)

____END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT 052	Issue No 1 02	Revision No. 103
Effective Date: 01 03 2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021 Page 1





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/03 (ULR-TC709922000014797F)

CAMPLE DETAILS

				PLE DETAIL				
1.	Name & Address of Clien "Caustic Plant-Vilayet" Pl Pin code-392140.	ti M/s. Gresim Inc ot No 1,GIDC Vilar	yat.	Industrial Est	ate,Bharuch,PU-Villaya	Service Property		
2.	Sample ID: 2252908246	- 146JU22SE03						
4.	Sample Date: 26.07.202		-	No.	Sampling Location: D.G.Set - 2			
6.	Sampling Time: 12:00 hr							
8.	Analysis commenced on: 27.07.2022			The second second	s Completed on: 27.07	,2022		
10.	Reporting Date: 05.08.2022			A STATE OF THE PARTY OF THE PAR	ne: Chemical			
12.	Sample Collected By: Mr	, Vimal Chauhan	100		Atmospheric Pollution			
14.	Sampling Procedure: 15	Method	1100		t: Stack Emission	Sladder: Clamped		
16.	Description of Sample:		s: S	ealed V	Thimble: Packed v	Bladder, Clariffeo		
17.	Sample Received Date:	27.07.2022						
marile of			SI	CK DETAIL	5			
S.No.	Parameters	Unit (SI)			Descripti	on		
42.0	Source		1	D.G.Set -	2			
2.	Height	m	1	36				
3.	Diameter	mm	1:	450				
4.	Temperature	o _C	1	146				
5.	Velocity	m/s	3	6.6				
6.	Type of fuel used		1.5	HSD				
7.	Quantity of fuel used	lit/hr	13	600	1			
S. No.	Parameters	Unit (SI)		Results	SPCB Norms/ SPCB Norms/ SIS Standards	Method Used		
110	Particulate Matter	mg/Nm³	13	50	150	IS 11255 (Part 1): 1985		
2.	Sulphur Diaxide(SO ₂)	ppm	13	14.83	100	IS 11255 (Part 2): 1985		
3.	Oxides of Nitrogen (N	Ox) ppm	13	8,44	50	IS 5182 (Part 6) :2006		
Rem		OCCUPANT STREET	- A control					
	orized By -							
	e : Bhavisha Pandya			Design:	ation : Sr. Chemist	of the Inharatory		

1) NOTE:

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or client consumes suring sureryses.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TOY: NO 1 149 FMT-052		TEST REPORT FORMAT - STACK	
	move too LLND CMT-050	Tspie No.: 02	Revision No.: 03
Plactive Date: .01.03.2021 Issue Date: 01-01-2015 Revision Date: 01.03			Revision Date: 01.03.2021



NOTE:



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/148/04 (ULR-TC709922000014798F)

CAMBLE DETAILS

		- 0 (Inc 12 - 0 to 12 - 2 to 12 t			DETAI		
315	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.				istrial Es	tate,Bharuch,PO-Villaya	
2.	Sample ID: 2252908246 -	146JU22SE04		3.	Client I	Representative: Mr.Vika	s Valand
4.	Sample Date: 26.07.2022			5.	Sampli	ng Location: D.G.Set -	3
6.	Sampling Time: 12:25 hr			7.	Sampli	ng Duration: 20 Mins	×6
8.	Analysis commenced on: 2	7.07.2022		9.	Analys	is Completed on: 27.07	7.2022
10.	Reporting Date: 05.08.202	2	I	11.	Discipli	ine: Chemical	11/5210/00
12.	Sample Collected By: Mr. V		1	13.	Group:	Atmospheric Pollution	
14.	Sampling Procedure: IS Ma	ethod	I	15.	Produc	t: Stack Emission	
16.	Description of Sample: 5	Sampling Bottle	s: 5	ieale	J√	Thimble: Packed √	Bladder: Clamped
17.	Sample Received Date: 27.	07.2022		DEPTH DEFE			All decision processes thereon
			ST	ACK	DETAIL	S	
S.No.	Parameters	Unit (SI)	Γ			Descripti	on
15	Source		1	D.0	i.Set - 3	3	
2.	Height	m	Į.	: 36			
3.	Diameter	mm	1	450			
4.	Temperature	°C	1	138			
5.	Velocity	m/s	1	6.3			
6.	Type of fuel used		į	HSI)		
7.	Quantity of fuel used	lit/br	1	600	02		
S. No.	Parameters	Unit (SI)			tesuits	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Particulate Matter	rng/Nm³	2		59	150	IS 11255 (Part 1): 1985
2.	Sulphur Dioxide(SO ₂)	ppm	1		17.80	100	IS 11255 (Part 2): 1985
3.	Oxides of Nitrogen (NOx)	ppm	12	-	10.37	50	IS 5182 (Part 6) :2006
Rema	rk: AN	300000	-			A. Upin	Magnosec-040-5 c 50 ttp-//tb/2000-
Autho	prized By -						
Name	: Bhavisha Pandya				Designa	tion : Sr. Chemist	
		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO	1000		THE RESERVE OF THE PARTY OF THE		ACCOUNT OF THE PARTY OF THE PAR

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Re analysis of cample will be done, if requested within 2 days from the date of Reporting of cample if the camples 1) 2) are not consumed during analysis.

The results reported above relate to the comple identified under Sample Dataile.

END OF REPORT:

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAS-FHT-052	159.je No.; 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Bate: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/05 (ULR- TC709922000014799F)

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Vilayat" Plo	: M/s. Grasim In	dus	tries Ltd., Ch	emical Division.	Tali ika-Vaora Guiarat P	
	code 392140.	n no 1, dies i no	- Trees	M. (CAX-9) . (A)			
2.	Sample ID: 2252908246 -	- 146JU22SE05	2	3. Client I	3. Client Representative: Mr. Vikas Valand		
4.	Sample Date: 26.07.2022	8		5. Sampli	ng Location: D.G.Set - 4		
6.	Sampling Time: 13:20 hr		13	7. Sampli	ng Duration: 20 Mins		
8.	Analysis commenced on:	27.07.2022	13	9. Analysi	s Completed on: 27.07.	2022	
10.	Reporting Date: 05.08.20	22		11. Discipli	ne: Chemical		
12.	Sample Collected By: Mr.	Vimal Chauhan		Contraction to the Contraction of the Contraction o	Atmospheric Pollution		
14.	Sampling Procedure: IS N	lethod		Produc	Product: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	sealed √	Thimble: Packed √	Bladder: Clamped	
17.	Sample Received Date: 2	7.07.2022	Teces	ICALE DICEOL		111000000000000000000000000000000000000	
			ST.	ACK DETAIL	S		
5.No.	Parameters	Unit (SI)			Descriptio	b	
1	Source		1	D.G.Set - 4	D.G.Set - 4		
2	Height	m	13	11	11		
3.	Diameter	mm	13	450			
4.	Temperature	°c	4	142			
5.	Yelocity	m/s	14	6.3			
6.	Type of fuel used		13	HSD			
7.	Quantity of fuel used	lit/hr	1	600			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1,	Particulate Matter	mg/Nm ³	B	52	150	IS 11255 (Part 1):	
Z.	Sulphur Dioxide(SO ₂)	ppm	13	13.09	100	IS 11255 (Part 2):	
3.	Oxides of Nitrogen (NO)	c) ppm	14	11.27	50	IS 5182 (Part 6)	
Rema	erk:				***************************************		
LILENCE COLLABORATION AND ADDRESS OF THE PARTY OF THE PAR	orized By -						
Name	: Bhavisha Pandya	¥. /		Designa	tion : Sr. Chemist	3 9	

NOTE: 11)

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the cample identified under Sample Details.

END OF REPORT-

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-ENT-052	Issue No : 02	Revision No.: 03
Effective Date: 01,03,2021	Tstue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: JUL22/146/06 (ULR-TC709922000014800F)

SAMPLE DETAILS

Color.	Name & Address of Client: N	Charles and the Control of the Contr	-	mes Ltd C			
140	"Caustic Plant-Vilayat" Plot I Pin code-392140.			Industrial Es	tate,Bharuch,PO-Villaya		
2.	Sample ID: 2252908246 - 1	46JU22SE06	10		Representative: Mr.Vika		
4.	Sample Date: 26.07.2022		1	THE REAL PROPERTY.	ing Location: D.G.Set -	5	
6.	Sampling Time: 14:00 hr		13		ing Duration: 20 Mins		
8.	Analysis commenced on: 27	.07.2022	1.3	9. Analys	is Completed on: 27.0	7.2022	
10.	Reporting Date: 05.08.2022	VOX.100300		Discipi	ine: Chemical	S OWNERS.	
12.	Sample Collected By: Mr. Vir	mal Chauhan	_	Section 1	Atmospheric Pollution	Y	
14.	Sampling Procedure: 15 Met	hod	13	Produce	t: Stack Emission	1.00	
16.	Description of Sample: Se	impling Bottle	s: S	lealed V	Thimble: Packed √	Bladder: Clamped	
17.	Sample Received Date: 27.0	7.2022	SCHOOL	ORDERON CO.	THE SOURCE OF SOURCE SHOW	A STANSON OF STANSON	
			ST	ACK DETAIL	.S		
S.No.	Parameters	Unit (SI)			Descript	ion	
1.	Source		3	: D.G.Set - 5			
2.	Height	m	13	11			
3.	Diameter	mm	4				
4.	Temperature	· 90	3	140			
5.	Velocity	m/s	1	6.4			
6.	Type of fuel used		1.2	HSD			
7.	Quantity of fuel used	lit/hr	12	600			
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Particulate Matter	mg/Nm ³	1	61	150	15 11255 (Part 1): 1985	
2.	Sulphur Dioxide(SO ₂)	ppm	13	16.15	100	IS 11255 (Part 2): 1985	
3.	Oxides of Nitrogen (NOx)	ppm	13	9,72	50	15 5182 (Part 6) :2006	
Rema	irk:						
Autho	ork:						
Name	: Bhavisha Pandya			Designa	ition : Sr. Chemist		

NOTE:

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Re analysis of sample will be done, if requested within 2 days from the date of Reporting of sample if the samples. are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

TEST REPORT FORMAT - STACK					
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03/2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/162/27 (ULR-TC709922000016731F)

SAMPLE DETAILS

1,	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Ind No 1,GIDC Vilay	lustries Ltd.,- C vat Industrial E	inemic state,E	al Division. Sharuch,PO-Villayat Taluka	Vagra Gujarat Pin code-	
2.	Sample ID: 2252908246 - 152AU22AQ01				Client Representative: Mr	VIVA PROPERTY CONTRACTOR CONTRACT	
4.	Sampling Date: 27.08.2022			5.	Sampling Location: Nr. Aluminum Plant		
6.	The second secon			7,	Sampling Duration; 24 Hrs		
8.	Analysis commenced on: 29:08.2022			9.	Analysis Completed on : 29.08.2022		
10.				11.	Discipline: Chemical		
12.					Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air.		
16.			Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17	Environment Condition:	Temp: Normal	Humidity: Me	dium	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	29.08.2022	The state of the s				

TEST RESULTS

S. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₆₉	μο /m³	13	41	100	15 5182 (Part 23): 2006
2.	PM as	μg /m ³	1	19	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Disside (SO ₂)	μg /m²	3	8.36	80	15 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NOs)	jig /m³		15.16	80	IS 5182 (Part 6): 2006
5.	CL:	μg /m³	13	N.D.	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	μg /m³	3	N.D.	400	Guidelines By CPCB(Vol-1)
7.	H6S	μg /m ³	1	N.D.	500	19 5182 (Part 7): 1973

Remark: N.D. - Not Detected. Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

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- Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- The results reported above relate to the sample identified under Sample Details.

-END OF REPORT-----

	TEST REPORT FORMAT - AMBIEL	NT
DOC. NO.: LAS FMT-051	Tesus No.: 02	Revision No.: 03
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/162/28 (ULR- TC709922000016732F)

SAMPLE DETAILS

the state of	Name & Address of Client: "Caustic Plant-Vilayat" Plot					-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246 - 162AU22AQ02				Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 27.08.2022				Sampling Location: Nr.PA	C Plant	
6.	Sampling time: 12:00 hr				Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 29.08.2022			9.	Analysis Completed on: 29.08.2022		
10.	Reporting Date: 06.09.2022				Discipline: Chemical		
12.					Group: Atmospheric Pollution		
14.	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	1	Filter Paper: Packed √	9adder: Clamped √	
17.	Environment Condition:	Temp: Normal	Humidity: Me	dium	Wind speed: Smooth	Goud cover: Clear sky	
	Raint No Rain	Wind Direction:	Down wind		Wind blowing fram: -	Station category: Industrial	
18.	Sample Received Date:	29.08.2022	ATT -		Proposed Page 1 Transport Control of the Control of		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1,0	PMio	ug /m³		60	100	IS 5182 (Part 23) : 2006
2.	PM 23	ыд /m³	1:	17	60	Guidelines By CPC8(Vol-1)
3.	Suphur Dioxide (502)	н9 /ш"		6.84	90	IS 5182 (Part 2): 2001
4.	Oxides of Nitrogen (NOx)	μg /m³	1	12,66	.80	IS 5182 (Part 6.): 2006
5.	Cu	pg /m³	3	N.D.	100	IS 5182(Part 19): 1982
0.	Ammonia (NHs.)	pg /m³		N.D.	400	Guidelines By CPCB(Vol-1)
7.	His	pg /m²		N.D.	500	IS 5182 (Part 7): 1973

Remark: N.D. - Not Detected.

Authorized By -Name : Bhavisha Repaya

Designation : Sr. Chemist

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT----

TEST REPORT FORMAT - AMBIENT					
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/162/29 (ULR- TC709922000016733F)

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayet" Plot	M/s. Grasim Ind No 1,GIDC Villay	lustries Ltd.,- C yat Industrial Es	hemic date,E	al Division. Sharuch, PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246 -	mple ID: 2252908246 - 162ALI22AQ03				, Vikas Valand	
4.	Sampling Date: 26.08.2022				Sampling Location: Nr.Main Gate		
5.	Sampling time: 11:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 29.08.2022				Analysis Completed on: 29.08.2022		
10.					Discipline: Chemical		
12.	Sample Collected By: M			13.	Group: Atmospheric Pollu	zion	
				15.	Product: Ambient Air		
	Description of Sample:		Bottles: Sealed	v'	Filter Paper: Packed √	Bladder: Clamped √	
17.		Tomp: Normal	Humidity: Med	100	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	: Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	29.08.2022					

TEST RESULTS

S. No.	<u>Parameters</u>	<u>Unit (SI)</u>		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
43	PM _{i0}	µg /m²	14	43	100	IS 5182 (Part 23) : 2006
5	PM as	µg /m¹		13	50	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (50 ₂)	μg /m²	3	7.36	80	IS 5182 (Part 2) : 2001
4.	Oxides of Nitrogen (NO _x)	μg/m²		35.57	80	15 5102 (Part 6.) : 2006
\$	CL	μg /m ³	1	N.D.	100	IS 5182(Part 19): 1982
6.	Ammonia (NH ₃)	ug/m³	T.	N.D.	400	Guidelines By CPCB(Vol-1)
7.	H ₂ S	µg /m²	Ħ	N.D.	500	15 5162 (Part 7): 1970

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

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- The results reported above relate to the sample identified under Sample Details. END OF REPORT

	TEST REPORT FORMAT - AMBIEN	YT.
DOC. NO.: LAB-FMT-051	Edoue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/162/30 (ULR-TC709922000016734F)

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Wlayat" Plot	: M/s. Grasim Inc t No 1,GIDC Villa	lustries Ltd.,- C yat Industrial Es	hemic tate,6	al Division. Bharuch,PO-Villayat Taloka	-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246 - 162AU22AQ04				Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 26.08.2022				Sampling Location: Nr. Marketing Yard		
6.	Sampling time: 11:45 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on	: 29.08.2022		9.	Analysis Completed on: 29.08.2022		
10.	The state of the s				Discipline: Chemical		
12.		Control of the Contro		13.	Group: Atmospheric Pollu	ution	
14.				15.	Product; Ambient Air		
16.	Description of Sample:	Sampling	Bottles: Sealed	V	Filter Paper: Packed v	Bladder: Clamped v	
17.	Environment Condition:	Temp: Normal	Humidity: Med	lum.	Wind speed: Smooth	Cloud cover: Clear sky	
7702	Rain: No Rain	Wind Direction	Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	29.08.2022					

TEST RESULTS

5. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.3	PMso	yg /m³	4	55	100	E5 5182 (Part 23.): 2096
2.	PM 25	ug /m³	4	-11	60	Guidelines By CPCB(Vol-1)
3.	Sulphur Dioxide (SO ₂)	μg /m ³	13	5.84	80	15 5182 (Part 2): 2001
4.	Oxides of Ntrogen (NO _d)	sig /m³	1	13.27	80	35 5182 (Part 6) : 2006
S.	Cla	μα /m³	8	N.D.	100	IS 5182(Part 19): 1982
6.	Ammonia (NH;)	μg /m²	2	N.D.	400	Guidelines By CPCB(Voi-1)
7.0	HyS	jug /m²	1	N.D.	500	IS 5182 (Part 7): 1973

Remark: N.D. - Not Detected.

Authorized By -Name: Shavisha Pandya

NOTE:

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

----END OF REPORT-----

or its construction of the construction	TEST REPORT FORMAT - AMBIE!	NT T
DOC: NO.: LAB FMT 051	Issue No.: 92	Ravision No.: 03
Flective Date: 01 03,2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/182/31

SAMPLE DETAILS

1.	Name & Address of Client:	M/s. Grasim Ind	lustries Ltd.,- C	hemic	al Division.		
	"Caustic Plant-Vilayat" Plot	No 1,GIDC VIIay	at Industrial Es	tate,E	Sharuch,PO Villayet Taluka		
2.	Sample ID: 2252908246 -	162AU22AQ01		3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 27.08.2022	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM		5.	Sampling Location: Nr. Aluminum Plant		
6.	Sampling time: 11:15 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 29.08.2022				Analysis Completed on: 29.08.2022		
10.					Discipline: Chemical		
	Sample Collected By: M		-	13.	Group: Atmospheric Pollu	ition	
	Sampling Procedure: IS M			15.	Product: Ambient Air		
	Description of Sample:	Sampling	Bottles: Sealed	V	Fitter Paper: Packed V	Bladder: Clamped v	
		Temp: Normal	Humidity: Med	lum	Wind speed: Smooth	Cloud covers Clear sky	
	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	29.08.2022			N		

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
31	00	μg/m ¹	3	744	5000	1S 5182(Part 10): 1999
2	HO.	μg /m ³	Ħ	N.D.	200	APHA 231 Edition 4500 CHC
3.	Hydrocarbon(HC) NMHC	ug/m³		N.O.	150	IS 5182(Part 21): 2001
4:	HE	ug/m²		N.O.	60	15 5182 (Part 13): 1991
50	CSi A	μο /m²	*	N.O.	2000	IS 5182 (Part 20): 1982

Authorized By -

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - AMBIE	NT
DOC. NO.: LAB-PMT-051	Issue No.: 02	Revision No.: 03
ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/162/32

SAMPLE DETAILS

	Ran: No Rain	Wind Offection:	Down wind		Wind blowing from: -	Station category: Inductria	
17.	Environment Condition:	Temp: Normal	Humidity: Med	Sum:	Wind speed: Smooth	Cloud cover; Clear sky	
	Description of Sample:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bottles: Sealed	100.00	Filter Paper: Packed v	Blødder: Clamped √	
	Sampling Procedure: IS M	ethod	DIVINE NUMBER	15.	Product: Ambient Air		
	Sample Collected By: M			13.		tion	
	Reporting Date: 06.09.2			11.	Discipline: Chemical		
8.	Analysis commenced on	: 29.08.2022		9.	Analysis Completed on: 29.08.2022		
6.	Sampling time: 12:00 hr			7.	Sampling Duration: 24 Hrs		
	Sampling Date: 27.08.202	2		5.	Sampling Location: Nr.PAC Plant		
	Sample ID: 2252908246 -			3,	Client Representative: Mr. Vikas Valand		
	Name & Address of Client: "Caustic Plant-Vilayat" Plot	No 1,GIDC Vilay	ostries Ltd.,- C vat Industrial Es	hemic date,E	Sharuch,PO-Villayat Taluka		

TEST RESULTS

5. No.	<u>Parameters</u>	Unit (SI)		P.esults	Specification/ SPCB Norms/ BIS Standards	Method Used
3.	00	μα /m²	B	835	5000	IS 5182(Part 10): 1999
2.	HO.	µg/m³	131	N.D.	200	APHA 23 rd Edition 4500 Cl-C
3	Hydrocarbon(HC) NMHC	uo /m³	Ħ	N.D.	160	1S 5182(Part 21): 2001
4.	HF	µg/m³	131	N.D.	60	IS 5182 (Part 13): 1991
5.	CS ₂	pg/m²	13	N.D.	2000	15 5182 (Part 20): 1982

Authorized By - \

Designation: Sr. Chemist Name: Bhavisha Pandya

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TEST REPORT FORMAT - AMBIENT Revision No.: 03 Issue No.: 02 DOC. NO.: LAB-FMT-051 Revision Date: 01.03.2021 Issue Date: 01-01-2015 Effective Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO : AUG22/162/33

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	No 1,GIDC Vilay	vat Industrial Es	state,E	Sharuch, PO-Villayat, Tatuka		
2.	Sample ID: 2252908246 -	162AU22AQ03		3.	Client Representative: Mr. Vikas Valand		
9.	Sampling Date: 26.08.2022	2		5.	Sampling Location: Nr.Main Gate		
6.	Sampling time: 11:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 29.08.2022				Analysis Completed on: 29.08.2022		
					Discipline: Chemical		
	Sample Collected By: M			13.	Group: Atmospheric Pollu	tion	
14.	Sampling Procedure: IS Me	ethod		15.	Product: Ambient Air		
16.	Description of Sample:	Sampling I	Bottles: Sealed	٧	Filter Paper: Packed √	Bladder: Clamped √	
	Environment Condition:	Temp: Normal	formal Humidity: Med		Wind speed: Smooth	Cloud cover: Clear sky	
TO S	Rain: No Rain Wind Direction: Down wind		Down wind		Wind blowing from: -	Station cutagory: Industria	

TEST RESULTS

S. No.	Parameters	unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	co	μg /m²	15	1122	5000	15 5182(Part 10): 1999
2.	HCL	jig /ml	\pm	NOS:	200	APHA 23 rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m³	1	N.D.	160	IS 5182(Part 21): 2001
4.	HF	μg /m¹		N.D.	60	IS 5182 (Part 13): 1991:
5.	CS ₂	μg /m ¹		N.D.	2000	IS 5182 (Part 20): 1982
	k: N.D Not Detected.	- Humberger		74		
Control of the Contro	: Bhavisha Rondvo				ation : Sr. Chemist	

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: AUG22/162/34

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot 392140.	M/s. Grasim Ind No 1,GIDC Vilay	lustries Ltd.,- C yat Industrial E	chemic state, E	al Division. Bharuch,PO-Villayat Talluka	-Vagra:Gujarat.Pin.code-
2.	Sample ID: 2252908246 -	- 162AU22AQ04		3.	Client Representative: Mr	
4.	Sampling Date: 26.08.202	2		5.	Sampling Location: Nr. M	arketing Yard
6.	Sampling time: 11:45 hr			7.	Sampling Duration: 24 Hr	5
8,	Analysis commenced on	: 29.08.2022		9.	Analysis Completed on	: 29.08.2022
10.	The second secon			11.	Discipline: Chemical	The section was well as a second
12.	Sample Collected By: M			13.	Group: Atmospheric Pollu	rtion
14.		ethod		15.	Product: Ambient Air	
16.			Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √
17.	Environment Condition:	Temp: Normal	Humidity: Med	dum	Wind speed: Smooth	Cloud cover: Clear sky
	Rain: No Rain	Wind Directions	Down wind		Wind blowing from: -	Station category: Industrial
18.	Sample Received Date:	29.08.2022	VOTE 11-00-11-00-1			

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1,	CD	ag/m³	1	709	5000	1S 5182(Part 10): 1999
2.	HOL	µg /m²	3	N.D.	200	APHA 23 rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m³	1	N.O.	160	IS 5182(Part 21): 2001
4.	18	ug/m	1	N.D.	60	IS 5182 (Part 13): 1991
S.	CS ₂	ug /ml	35	N.D.	2000	IS 5182 (Part 20): 1982
Actor Control	k: N.D Not Detected.					
	Bhovisha Randya		V100	Decign	ation : Sr. Chemist	- Proceedings of the State of t

NOTE

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 Re analysis of sample will be done, if nequested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT----

	TEST REPORT FORMAT - AMBIEN	T
DOC, NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/02 (ULR-TC709922000016718F)

SAMPLE DETAILS

i	Name & Address of Client:		white	-	INC. C	and the same of th	
-	"Caustic Plant-Vilayat" Plot Pin code-392140.	the state of the s					at Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246 -	162AU22SE02		3.	Client	Representative: Mr.Vik	as Valand
4.	Sample Date: 27.08.2022	Lot 100/04/04/10409/C		5.	Sampli	ing Location; D.G.Set -	1
6.	Sampling Time: 11:15 hr			7.	Sampli	ing Duration: 15 Mins	
8.	Analysis commenced on: 25	9.08.2022		9.	Analys	is Completed on: 29.0	8.2022
10.	Reporting Date: 06.09.2022)		11.	Discipl	ine: Chemical	
12.	Sample Collected By: Mr. Ki	shan Bhatt		13.	Group:	Atmospheric Pollution	
14.	Sampling Procedure: IS Me	thod		15.	Produc	t: Stack Emission	
16.	Description of Sample: S	ampling Bottle	s: S	Sealed	i√	Thimble: Packed √	Bladder: Clamped
17.	Sample Received Date: 29.0	08.2022		05000000	territorio de	Ni -	W
TO SHIP THE			ST	ACK	DETAIL	<u>s</u>	
S.No.	<u>Parameters</u>	Unit (SI)				Descript	ion
ji.	Source		8	D.G	Set - 1	i	
7/2	17727241	m	130	36			
2.	Height						
3,	Diameter	mm	Ŧ	450	Č.		
	The state of the s	20000	-				
3,	Diameter	mm	-	450			
3, 4.	Diameter Temperature	mm °c	-	450 128 6.26			[8]
3, 4. 5.	Diameter Temperature Velocity	mm °c	1.	450 128 6.26	i.)		[8]
3, 4. 5. 6.	Diameter Temperature Velocity Type of fuel used	mm *c m/s	1.	450 128 6.26 HSD 600	i.)	Specification/ SPCB Norms/ BIS Standards	Method Used
3, 4, 5, 6, 7,	Diameter Temperature Velocity Type of fuel used Quantity of fuel used	mm *c m/s	1.	450 128 6.26 HSD 600		SPC8 Norms/	Method Used
3, 4, 5, 6, 7, 8, No.	Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters	mm "c m/s lit/hr Unit (SI)	1 2 2	450 128 6.26 HSD 600	i) Lesults	SPCB Norms/ BIS Standards	

Authorized By - 200.

Name: Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the cample identified under Sample Details.

---END OF REPORT-----

TEST REPORT FORMAT - STACK						
DOG: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/03 (ULR- TC709922000016719F)

	- 1	SA	MPLE	DETAIL	5	
						at Taluka-Vagra.Gujarat.
Sample ID: 2252908246 -	162AU22SE03		3.	Client R	epresentative: Mr.Vik	as Valand
			5.			The state of the s
Sampling Time: 11:30 hr					The second secon	
Analysis commenced on: 29.08.2022			9.			8.2022
Reporting Date: 06.09.2022	2	T	11.			
Sample Collected By: Mr. K	Ishan Bhatt	T	13.	Group: /	Atmosoheric Pollution	
Sampling Procedure: IS Me	thod	J.	15.	Product	Stack Emission	
Description of Sample: S	ampling Bottle	\$1.3	Sealed	1 V	Thimble: Packed V	Bladder: Clamped
Sample Received Date: 29.	09.2022		esennon.			8 Wi-
	and and a second	ST	ACK	DETAILS		
Parameters .	Unit (SI)				Descript	ion
Source		19	D.G	i.Set – 2	T.	
Height	m	1	36			
Diameter	mm	1	450			
Temperature	o _U	1	129			
Velocity	m/s	1	6.27	7		
Type of fuel used		10	HSD)		
Quantity of fuel used	lit/hr	1	600			
Parameters	Unit (SI)		В	lesuits	Specification/ SPCB Norms/ BIS Standards	Mathod Used
Particulate Matter	mg/Nm³	3		52	150	IS 11255 (Part 1): 1985
Sulphur Dioxide(SO ₂)	ppm	3	1 3	11.38	100	IS 11255 (Part 2): 1985
Oxides of Nitragen (NOx)	ppm	1		10.92	50	IS 5182 (Part 6) :2006
k: 6.00	M - 3499845 - 4	Tribilit		00000		
rized By -						
: Bhavisha Pandya			E	esignati	on : Sr. Chemist	
	"Caustic Plant-Vilayat" Plot Pin code-392140. Sample ID: 2252908246 – Sample Date: 27.08.2022 Sampling Time: 11:30 hr Analysis commenced on: 2* Reporting Date: 06.09.202; Sample Collected By: Mr. K Sampling Procedure: IS Me Description of Sample: S Sample Received Date: 29. Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Quantity of fuel used Parameters Particulate Matter Sulphur Dioxide(SO ₂) Oxides of Ntrogen (NOx) k:	Name & Address of Client: M/s. Grasim In "Caustic Plant-Vilayat" Plot No 1,GIDC Vila Pin code-392140. Sample ID: 2252908246 – 162AU22SE03 Sample Date: 27.08.2022 Sampling Time: 11:30 hr Analysis commenced on: 29.08.2022 Reporting Date: 06.09.2022 Sample Collected By: Mr. Kishan Bhatt Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 29.08.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c. Velocity m/s Type of fuel used Quantity of fuel used Quantity of fuel used Quantity of fuel used Parameters Unit (SI) Particulate Matter mg/Nm³ Sulphur Dioxide(SO2) ppm Oxides of Nitrogen (NOx) ppm k: rized By -	Name & Address of Client: M/s, Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pin code-392140. Sample ID: 2252908246 – 162AU22SE03 Sample Date: 27.08.2022 Sampling Time: 11:30 hr Analysis commenced on: 29.08.2022 Reporting Date: 06.09.2022 Sample Collected By: Mr. Kishan Bhatt Sampling Procedure: IS Method Description of Sample: Sampling Bottles: Sample Received Date: 29.08.2022 Final Parameters Parameters Unit (SI) Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Quantity of fuel used Quantity of fuel used Parameters Unit (SI) Parameters Unit (SI)	Name & Address of Client: M/s, Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Indi Pin code-392140. Sample ID: 2252908246 - 162AU22SE03 3. Sample Date: 27.08.2022 5. Sampling Time: 11:30 hr 7. Analysis commenced on: 29.08.2022 9. Reporting Date: 06.09.2022 11. Sample Collected By: Mr. Kishan Bhatt 13. Sampling Procedure: IS Method 15. Description of Sample: Sampling Bottles: Sealer Sample Received Date: 29.08.2022 STACK Parameters Unit (SI) Source 1.06.09.2022 Height 1.07. Source 1.08. Height 1.09. Temperature 1.09. Velocity 1.09. Type of fuel used 1.09. Quantity of fuel used 1.09. Quantity of fuel used 1.09. Parameters Unit (SI) Parameters Unit (SI)	Name & Address of Client: M/s, Grasim Industries Ltd., - Che "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Esta Pin code-392140. Sample ID: 2252908246 – 162AU22SE03 3. Client R Sample Date: 27.08.2022 5. Samplin Sampling Time: 11:30 hr 7. Samplin Analysis commenced on: 29.08.2022 9. Analysis Reporting Date: 06.09.2022 11. Disciplin Sample Collected By: Mr. Kishan Bhatt 13. Group: / Sampling Procedure: IS Method 15. Product: Description of Sample: Sampling Bottles: Sealed V Sample Received Date: 29.08.2022 STACK DETAILS Parameters Unit (SI) Source : D.G.Set = 2 Height m : 36 Diameter mm : 450 Temperature °c : 129 Velocity m/s : 6.27 Type of fuel used lit/hr : 600 Parameters Unit (SI)	Sample ID: 2252908246 - 162AU22SE03 3. Client Representative: Mr.Vik Sample Date: 27.08.2022 5. Sampling Location: D.G.Set-Sampling Time: 11:30 hr 7. Sampling Duration: 15 Mins Analysis commenced on: 29.08.2022 9. Analysis Completed on: 29.08 Reporting Date: 06.09.2022 11. Discipline: Chemical Sample Collected By: Mr. Kishan Bhatt 13. Group: Atmospheric Pollution Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Sample Received Date: 29.08.2022 STACK DETAILS

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the camples are not consumed during analysis.

CHARLEST CONTRACTOR OF THE STATE OF THE STAT	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/04 (ULR- TC709922000016720F)

	"Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate,Bharuch,PO-Villayat Taluka-Vagra.Gujarat Pin code 392140. 2. Sample ID: 2252908246 − 162AU22SE04			i i		MPLE D				
4. Sample Date: 27.08.2022 5. Sampling Location: D.C.Set − 3 6. Sampling Time: 11:50 hr 7. Sampling Duration: 15 Mins 8. Analysis commenced on: 29.08.2022 9. Analysis Completed on: 29.08.2022 10. Reporting Date: 06.09.2022 11. Discipline: Chemical 12. Sample Collected By: Mr. Kishan Rhatt 13. Group: Atmospheric Pollution 14. Sampling Procedure: IS Method 15. Product: Stack Emission 16. Description of Sample: Sampling 8ottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS S.No. Parameters Unit (SI) Description 1. Source : D.G.Set − 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ S.Parameters Unit (SI) Results Specification/ SPCB Norms/ SING Parameters Unit (SI) Results Specification/ SPCB Norms/ SING Parameters Unit (SI) Results Specification/ SPCB Norms/ SING Specification/ SPCB Norms/ SING Standards 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 191 2. Sulphur Dioxide(SO₂) ppm : 14.23 100 IS 11255 (Part 2) : 193	4. Sample Date: 27.09.2022	10	"Caustic Plant-Vilayat" Plot						at Taluka-Vagra.Gujarat.	
6. Sampling Time: 11:50 hr	6. Sampling Time: 11:50 hr	2.	Sample ID: 2252908246 -	162AU22SE04		3. (Client Representative: Mr.Vikas Valand			
8. Analysis commenced on: 29.08.2022 9. Analysis Completed on: 29.08.2022 10. Reporting Date: 06.09.2022 11. Discipline: Chemical 12. Sample Collected By: Mr. Kishan Bhatt 13. Group: Atmospheric Pollution 14. Sampling Procedure: IS Method 15. Product: Stack Emission 16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS S.No. Parameters Unit (SI) Description 1. Source 1: D.G.Set - 3 2. Height m 1: 36 3. Diameter mm 1: 450 4. Temperature 9c 1: 126 5. Velocity m/s 1: 6.2 6. Type of fuel used 1tt/hr 1: 600 7. Quantity of fuel used 1tt/hr 1: 600 5. Parameters Unit (SI) Results Specification Method Used 1. Particulate Matter mg/Nm³ 1: 55 150 15 11255 (Part 1) 1: 191 2. Sulphur Dioxide(SO₂) ppm 1: 14.23 100 15 11255 (Part 2) 1: 191	8. Analysis commenced on: 29.08.2022 9. Analysis Completed on: 29.08.2022 10. Reporting Date: 06.09.2022 11. Discipline: Chemical 12. Sample Collected By: Mr. Kishan Bhatt 13. Group: Atmospheric Pollution 14. Sampling Procedure: IS Method 15. Product: Stack Emission 16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS S.No. Parameters Unit (SI) Description 1. Source : D.G.Set - 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used lit/hr : 600 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Résults Specification/ 81 Specification/ 82 Sulphur Dioxide(SO ₂) ppm : 14.23 100 IS 11255 (Part 1): 19 82 Sulphur Dioxide(SO ₂) ppm : 7.42 50 IS 5182 (Part 6): 200	4.	Sample Date: 27.09.2022			5. 5	Sampli	ng Location: D.G.Set -	3	
10. Reporting Date: 06.09.2022	10. Reporting Date: 06.09.2022	6.	Sampling Time: 11:50 hr		T	7. 5	Sampli	ng Duration: 15 Mins	1007	
12. Sample Collected By: Mr. Kishan Rhatt 13. Group: Atmospheric Pollution 14. Sampling Procedure: IS Method 15. Product: Stack Emission 16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS	12. Sample Collected By: Mr. Kishan Rhatt 13. Group: Atmospheric Pollution 14. Sampling Procedure: IS Method 15. Product: Stack Emission 16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08, 2022 STACK DETAILS S.No. Parameters Unit (SI) Description 1. Source : D.G.Set - 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used Itt/hr : 600 5. Quantity of fuel used Itt/hr : 600 5. Parameters Unit (SI) Results Specification / SPCB Norms / BIS Standards 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 15 2. Sulphur Dioxide(SO₂) ppm : 14.23 100 IS 11255 (Part 2) : 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	8.	Analysis commenced on: 29	9.08.2022		9. /	Analysi	s Completed on : 29.0	8.2022	
14. Sampling Procedure: IS Method 15. Product: Stack Emission 16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS	14. Sampling Procedure: IS Method	10.				11. 1	Discipli	ne: Chemical	ACTION TO THE REAL PROPERTY.	
16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS SNo. Parameters Unit (SI) Description 1. Source : D.G.Set - 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 Specification/SPCB Norms/BIS Standards 1. Particulate Matter mg/Nm³ : 55 150 15 11255 (Part 1): 191 2. Sulphur Dioxide(SO₂) ppm : 14.23 100 Initially Bladder: Clamped Flacked √ Bladder: Clamped √ Bladder: Clamped √ Bladder: Clamped √ Bladder: Clamped ✓ Bladder:	16. Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed √ Bladder: Clamped 17. Sample Received Date: 29.08.2022 STACK DETAILS SNo. Parameters Unit (SI) Description 1. Source : D.G.Set − 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used It/hr : 600 7. Quantity of fuel used It/hr : 600 5. Parameters Unit (SI) Résults Specification / SPCB Norms / BIS Standards 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 19 2. Sulphur Dioxide(SO₂) ppm : 14.23 100 IS 11255 (Part 2) : 19 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	12.	Sample Collected By: Mr. Ki	ishan Bhatt		13. (Group:	Atmospheric Pollution		
Sample Received Date: 29.08,2022 STACK DETAILS	Sample Received Date: 29.08.2022 STACK DETAILS	14.	Sampling Procedure: IS Me	thod	T					
Sample Received Date: 29:08,2022 STACK DETAILS	Sample Received Date: 29.08.2022 STACK DETAILS	16.	Description of Sample: S	ampling Bottle	s: :	Sealed v	/	Thimble: Packed √	Bladder: Clamped	
Source	Simon	17.			-	and the second		-tornium in the control of the contr	ILMONIA WALLEY	
1. Source : D.G.Set - 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1): 19 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 19	1. Source : D.G.Set - 3 2. Height m : 36 3. Diameter mm : 450 4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. No. Parameters Unit (SI) Results Specification/SPCB Norms/BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Port 1): 15 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6): 200			VII.	ST	ACK DI	ETAIL	S		
2. Height m : 36 3. Diameter mm : 450 4. Femperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Résults Specification/ SPCB Normis/ BIS Standards Method Used 1. Particulate Mattier mg/Nm³ : 55 150 IS 11255 (Port 1): 190 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 190	2. Height m : 36 3. Diameter mm : 450 4. Femperature 9c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification / SPCB Norms / BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1): 15 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.): 200	S.No.	<u>Parameters</u>	Unit (SI)	Π	Description			on	
3. Diameter mm : 450 4. Temperature 9c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 190 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2) : 190	3. Diameter mm : 450 4. Femperature 9c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : SS 150 IS 11255 (Part 1) : 15 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2) : 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	14.	Source		1	: D.G.Set - 3				
4. Temperature °c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1): 190 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 190	4. Temperature 9c : 126 5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/SPCB Norms/BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1): 15 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.): 200	2.	Height	m	13	36	-41 H - 400	*		
5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/SPCB Norms/SPCB Norms/BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Port 1): 190 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 190	5. Velocity m/s : 6.2 6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCR Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1): 15 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.): 200	3.	Diameter	mm	1	450				
6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Résults Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Port 1) : 190 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2) : 190	6. Type of fuel used : HSD 7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 19 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2) : 19 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	4.	Temperature	o _C	13	126				
7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 190 2. Sulphur Dioxide(SO₂) ppm : 14.23 100 IS 11255 (Part 2) : 190	7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 15 2. Sulphur Dioxide(SO₂) ppm : 14.23 100 IS 11255 (Part 2) : 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	5	Velocity	m/s	1	6.2				
7. Quantity of fuel used lit/hr : 600 5. Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Port 1): 190 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2): 190	7. Quantity of fuel used lit/hr : 600 5. No. Parameters Unit (\$1) Results Specification/ SPCB Norms/ BIS Standards Method Used 1. Particulate Matter mg/Nm³ : 55 150 IS 11255 (Part 1) : 15 2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2) : 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	6.	Type of fuel used	17 805		HSD				
Parameters Unit (SI) SPCB Norms/ BIS Standards Method Used	Parameters Unit (SI) SPCB Norms/ BIS Standards Method Used	7.	Quantity of fuel used	lit/hr	1	600				
2. Sulphur Dioxide(SO ₂) ppm : 14.23 100 IS 11255 (Part 2) : 19	2. Sulphur Dioxide(SO2) ppm : 14.23 100 IS 11255 (Part 2) : 19 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	5. No.	Parameters	Unit (SI)		Res	ults	SPCB Norms/	Method Used	
 Sulphur Dioxide(SO₂) ppm : 14.23 100 IS 11255 (Part 2): 190 	2. Sulphur Dioxide(SO ₂) ppm : 14.23 100 IS 11255 (Part 2) : 15 3. Oxides of Nitrogen (NOx) ppm : 7.42 50 IS 5182 (Part 6.) : 200	1.	Particulate Matter	mg/Nm³	3	5	5	150	IS 11255 (Part 1): 1985	
	3. Oxides of Nitrogen (NOx) ppm : 7,42 50 IS 5182 (Part 6.) :200	2.	Sulphur Dioxide(SO ₂)	ppm	Ž.	14.	23	100	IS 11255 (Part 2): 1985	
		3.	Oxides of Nitrogen (NOx)	ppm	1	7./	42	50	The same of the sa	

Name: Bhavisha Pándya

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Dotals.

-----END OF REPORT-----

Andrew State of the State of th	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/05 (ULR- TC709922000016721F)

					DETAIL				
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot code-392140.						Taluka-Vagra.Gujarat.Pi		
2.	Sample ID: 2252908246 -	246 - 162AU225E05			Client Representative: Mr.Vikas Valand				
4.	Sample Date: 27.08.2022			5.	Samplin	g Location: D.G.Set - 4	55		
6.	Sampling Time: 12:10 hr			7.	Samplin	g Duration: 15 Mins			
8.	Analysis commenced on: 29.08.2022			9.	Analysis	Completed on: 29.08.	2022		
10.	Reporting Date: 06.09.2022			11.	Disciplin	e: Chemical			
12.	Sample Collected By: Mr. Kishan Bhatt			13.	Group:	Atmospheric Pollution			
14.	Sampling Procedure: IS Me	ethod		15. Product: Stack Emission					
16.	Description of Sample: 5	Sampling Bottle	5: 5	: Sealed √ Thimble: Packed √ Bladder: Clampe					
17.	Sample Received Date: 25	.08.2022	0.00	2001120		NT TOWNS SEED STATE OF THE			
			ST	ACK	DETAILS				
S.No.	Parameters	Unit (SI)		Description					
1.	Source		T:	: D.G.Set -4					
2.	Height	onc.	13	: 11					
3.	Diameter	mm	3						
4.	Temperature	°C	13	129					
5.	Velocity	m/s		6.05					
6.	Type of fuel used	330396	13	HSC)				
7.	Quantity of fuel used	lit/hr	13	600			W		
<u>S.</u> <u>No.</u>	Parameters	Unit (SI)	Part	B	esults	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	1		49	150	IS 11255 (Part 1) :		
2.	Sulphur Dioxide(SO ₂)	ppm	1		12.71	100	IS 11255 (Part 2):		
3.	Oxides of Nitrogen (NOx)	ppm	Ta	8	9.46	50	IS 5182 (Part 6)		
Rema		X*************************************	100			969	- Americal Americal		
Autho	orized By -					A 22 A2 32			
A Comme	me a Kala			1 4					

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done. If requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FHT-052	Essue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/06 (ULR- TC709922800016722F)

	ALDEDOLLEN WOODEN WOOD COADOURTERS		SAI	MPLE	DETAILS	5			
1.3	Name & Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.						at Taluka-Vagra Gujarat.		
2.	Sample ID: 2252908246 -	- 162AU22SE06		3.	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 27.08.2022			5.	Sampling	Location: D.G.Set -	5		
6.	Sampling Time: 12:35 hr		1	7.	Sampline	g Duration: 15 Mins			
8.	Analysis commenced on:	Analysis commenced on: 29.08.2022			Analysis	Completed on: 29.0	8.2022		
10.	Reporting Date: 06.09.2022			11.	Disciplin	e: Chemical			
12.	Sample Collected By: Mr.	Kishan Bhatt		13.	Group: /	Atmospheric Pollution			
14.	Sampling Procedure: IS M	ethod	1	15. Product: Stack Emission					
16.	Description of Sample:	Sampling Bottle	s: 5	Sealed	V	Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date: 29	0.08.2022	-	184		500	77		
			ST	ACK	DETAILS				
S.No.	Parameters	Unit (SI)		Description					
1.	Source		ī	: D.G.Set - 5					
2.	Height	m	:	: 11					
3,	Diameter	mm	1	450					
4.	Temperature	°C	:	123					
5.	Velocity	m/s	Ť	6.22					
6.	Type of fuel used	- 1002	1	HSD					
7.	Quantity of fuel used	lit/hr	1	600					
<u>5.</u> <u>No.</u>	Parameters	Unit (SI)		R	esults	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Particulate Matter	mg/Nm ³	1		57	150	IS 11255 (Part 1): 1985		
2.	Sulphur Dioxide(SO ₂)	ppm	1	1	5.65	100	IS 11255 (Part 2): 1985		
6.0	mental for a construction of the construction		100			CONTRACTOR OF THE PARTY OF THE			
3.	Oxides of Nitrogen (NOx) ppm	1	1 3	0.13	50	IS 5182 (Part 6) :2006		

Name : Bhavisha Pandya

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Essue No.: 02	Revision No.: 03
Sfective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: AUG22/162/41

SAMPLE DETAILS

_			The state of the s			
1.	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pincode-392140.	stries Li t Indust	trial Estate, Bharuch, PO-Villayet Taluka-Vagra. Gujarat.			
2.	Sample ID: 2252908246 - 162AU22HW01	3.	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 26.08.2022	5.	Sampling location: Brine Sludge			
6.	Analysis commenced on: 01:09:2022	7.	Analysis Completed on: 06.09.2022			
8.	Reporting Date: 07.09,2022	9.	Sample Collected By: Mr. Kishan Bhatt			
10.	Physical Status: Solid	11.	Discipline: Chemical			
12.	Sample Category: -	13.	Group: Pollution and Environment			
14.	Colour: Brown	15-	Product: Solid Waste			
16.	Description of sample: Packed and scaled in	polythe	ne bags.√			
17.	Sample Received Date: 01.09.2022					

TECT DECITITE

S.No.	Parameters	<u>Unit (51)</u>	Results	Specification/ SPCB Norms/ RTS Standards	Method Used
1.	pH	1	7,36	N.A.	APHA 23rd Edition 4500-Hr B
2.	% Moisture Contents	% :	31.16	N.A.	APHA 23rd Edition 2540 C
3.	000	gm/kg :	3.68	N.A.	APHA 23" Edition 5220 B
4.	Cyanide	gm/kg :	N.D.	N.A.	APHA: 23rd Edition 4500 CN: E
5.	Chromium	gm/kg :	<0.0002	N.A.	APHA 23rd Edition 3500 Cr - B
6.	Copper	gm/kg :	<0.0006	N.A.	APHA 23 rd Edition 3111 B
7.	Lead	gm/kg	<0.0004	N.A.	APHA 23 rd Edition 3111 B
8.	Nickel	gm/kg	<0.0004	N.A.	APHA 23rd Edition 3111 B
9.	Zinc	gm/kg =	<0.0006	N.A.	APHA 23 rd Edition 3111 B
10.	Total Inorganic Solids	%	16.16	N.A.	APHA 23rd Edition 2540 C
11.	Total Alkalinity as CaCo3	gm/kg	2.8	N.A.	APHA 23rd Edition 2320 B
12.	Phosphate	gm/kg :	N.D.	N.A.	APHA 23rd Edition 4500 P - C

Remark: 5 % leachate solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Name : Bhavisha Pendya

Designation : Sr.Chemist

MOTE:

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Pe analysis of sample will be done, if requested within 7 days from the date of Reporting of sample, if the samples are not consumed. during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - SOLID WASTE				
DOC. NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.; AUG22/162/42

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pincode-392140.		ld.,- Chemical Division. trial Estate,8haruch,PO-Villayat Taluka-Vagra.Gujarat.			
2.	Sample ID: 2252908246 - 162AU22HW02	3.	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 26.08,2022	5,	Sampling location: Phosphoric Acid			
6.	Analysis commenced on: 01.09.2022	7.	Analysis Completed on: 06.09.2022			
8.	Reporting Date: 07.09.2022	9.	Sample Collected By: Mr. Kishan Bhatt			
10.	Physical Status: Solid	11.	Discipline: Chemical			
12.	Sample Category: -	13.	Group: Pollution and Environment			
14.	Colour: Bottel Green	15.	Product: Solid Waste			
16.	Description of sample: Packed and sealed in	polythe	ne bags.√			
17.	Sample Received Date: 01.09.2022					

TEST RESULTS

S.No.	. Parameters Unit (5		Results	Specification/ SPCB Norms/ BIS Standards	Method Used					
12	pH		6.89	N.A.	APHA 23rd Edition 4500-H+ B					
2.	% Moisture Contents	% :	34.25	N.A.	APHA 23rd Edition 2540 C					
3.	COD	gm/kg :	4,62 N.D.	N.A.	APMA 23 rd Edition 5220 B					
4.	Cyanide	gm/kg		N.A.	APHA: 23rd Edition 4500 CN: E					
5.	Chromium	gm/kg	<0.0002	N.A.	APHA 23rd Edition 3500 Cr - B					
6.	Copper	gm/kg	<0.0006 <0.0004 <0.0004	< 0.0006	< 0.0006	< 0.0006	< 0.0006	< 0.0006	N.A.	APHA 23rd Edition 3111 B
7.	Lead gm/kg Nickel gm/kg	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		N.A.	APMA 23 rd Edition 3111 B					
8.				gm/kg : <0.0004	N.A.	APHA 23rd Edition 3111 B				
9.	Zinc	gm/kg	<0.0006	N.A.	APHA 23rd Edition 3111 B					
10.	Total Inorganic Solids	%	18.16	N.A.	APHA 23rd Edition 2540 C					
11.	Total Alkalinity as CaCo3	gm/kg	2.2	N.A.	APHA 23 rd Edition 2320 B					
12.	Phosphate	gm/kg t	0.08	N.A.	APHA 23rd Edition 4500 P - C					

Remark: 5 % Jeachate solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -

Name : Bhavisha Pandya

Designation: Sr.Chemist

NUTE:

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	TEST REPORT FORMAT - SOLID WAST	1
DCC. NO.: LAB-FMT-053	Issue No.; 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: AUG22/162/43 (ULR- TC709922000016739F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Ind Pincode-392140.	Ltd.,- Chemi ustrial Estate,	cal Division. Bharuch, PO-Villayet Taluka-Vegra.Gujarat.
2.	Sample ID: 2252908246 - 162AU22NO01	3.	Client Representative: Mr.Vikas Valand
4.	Sampling Date: 26.08.2022	5.	Sample Collected By: Mr. Kishan Bhatt
Б.	Analysis commenced on: 26.08.2022	7.	Analysis Completed on: 26.08.2022
8.	Reporting Date: 06.09.2022	9.	Sampling Location:
10.	Discipline: Chemical	13.	Sample Received Date : 26.08.2022
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels		

TEST RESULTS

S.		1 1	Day Night			
No.	Location	Time	Reading dB(A)	Time	Reading dB(A)	Method
1.	Nr. Main Gate	11:30 hr	57.3	23:00 hr	50.1	IS 9989: 1981
2.	Nr. ALCP Plant	13/25 hr	55.2	23:10 hr	51.3	IS 9989: 1981
3,	Nr.PAC Plant	13:10 hr	64.3	23:20 hr	61.2	IS 9989: 1981
4.	Nr.CL2 Area	14:15 hr	56.8	23:30 hr	54.6	IS 9989: 1981
5.	Nr.ETP	14:00 hr	61.8	23:40 hr	59.4	IS 9989: 1981
6.	Near Coal Tippler	13:40 hr	57.3	23:50 hr	55.2	IS 9989: 1981
Ze	Fiber Main Gate	11:40 hr	51.2	24:00 hr	49.3	IS 9989: 1981
8.	Fibor Material Gate	11:50 hr	53.3	00:10 hr	51.6	IS 9989: 1981

Remark:

Authorized By -

Name : Bhavisha Pondya Designation : Sr.Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

END OF REPORT

TEST REPORT FORMAT - NOISE						
DDC, NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02				
Effective Date: 01.07.2020	Issue Date: 01-05-2015	Revision Date: 01.07.2020				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/01 (ULR- TG709922000010717F)

CAMBLE DETAILS

				MPLE			
10	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.	t: M/s. Grasim In ot No 1,GIDC Vil	ndi. aya	stries L et Indus	td.,- C trial Es	hemical Division. state,Bharuch,PO-V	illayət Taluka-Vagra.Gujarat
2.	Sample ID: 2252908246	- 162AU22SE01	T	3.	Client Representative: Mr.Vikas Valand		
4.	Sample Date: 27.08.2022	2		-	Sampling Location: Calcium Chloride Plant		
6.	Sampling Time: 13:10 hr					ing Duration: 15 Mi	
8.	Analysis commenced on: 29.08.2022					is Completed on : 2	
10.	Reporting Date: 05.09.2022					ine: Chemical	3.00.2022
12.	Sample Collected By: Mr. Kishan Bhatt					Atmospheric Pollu	tion
14.	THE PLACE OF THE PARTY OF THE P					t: Stack Emission	
16.	Description of Sample:	Sampling Bottle	50				/ Bladder: Clampert
17.	Sample Received Date: 2		Triminativened Y pedder, Camped				
		20	ST	ACK DE	TAIL	S	
5.No.	Parameters	Unit (SI)	I	Description			iption
1.	Source		T,	Calciu	Calcium Chloride Plant		
2.	Height	m	Ė	25			
3.	Diameter	mm	E	145			
4,	Temperature	90	1				
5.	Velocity	m/s	Ė	-			
6.	Type of fuel used			N.A.			
7.	Quantity of fuel used						
<u>s.</u> No.	Parameters	Unit (SI)		Resu	its	Specification/ SPCB Norms/ BIS Standards	Method Used
1,	Particulate Matter	mg/Nm³	(8)	16		150	IS 11255 (Part 1): 1985
Remai				-			****** (Last 1) * 1202
Author	rized By -				-		
Vame	: Bhavisha Pandya			Des	ignat	ion : Sr. Chemist	
NO	OTE: 1) Reports may be rec	tentured if required	The said	t make the fi	and the second	AND A MALE PROPERTY OF	

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT.

ue No.: 02	Revision No.: 03
to Charante	Revision Date: 01.03.2021
į	te: 01-01-2015





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/07 (ULR-TC709922000016723F)

		3	-	MPLE DET	A STATE OF THE STA			
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140,					yat Taluka-Vagra.Gujarat		
2.	Sample 1D: 2252908246	- 162AU22SE07	I	3. Clie	Client Representative: Mr.Vikas Valand			
4	Sample Date: 26.08.202	2		5. Sam	Sampling Location: Chlorinated Paraffin Plant			
6.	Sampling Time: 11:30 hr			7. Sam	pling Duration: 10 Mins			
В.	Analysis commenced on: 29.08.2022			9. Ana	lysis Completed on: 29.	08.2022		
10.	Reporting Date: 06.09.2022			11. Disc	ipline: Chemical	0.0000000000000000000000000000000000000		
12.	Sample Collected By: Mr. Kishan Bhatt			13. Grou	up: Atmospheric Pollutic	n		
14.	Sampling Procedure: IS	Method		15. Proc	luct: Stack Emission			
16.	Description of Sample:	Sampling Bottle	5: 5	sealed V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:	29.08.2022	04.5	SERVICEOUS		- Tables - Standard Mesco		
			ST	ACK DETA	ILS			
S.No.	. Parameters Unit (SI)			Description				
1,	Source		1	Chlorinat	ed Paraffin Plant			
2.	Height	m	ş	35	SITESASSONAUCUARESION			
3.	Diameter	mm	7	350				
4,	Temperature	°C.	1	36				
5.	Velocity	m/s	t					
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used		1	N.A.				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
E.	G ₈	mg/Nm²	:	0.807	898	LAB-SOP-104		
Rema	rk: (6. N).	200						
Autho	rized By -							
Maria	r Bharricha Charles			Physical are	and the contest			

Name : Bhavisha Pandya

Designation : Sr. Chemist

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 - Be analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
 - The results reported above relate to the cample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK					
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/08 (ULR- TC709922000016724F)

SAMPLE DETAILS

1)	Name & Address of Clier "Caustic Plant-Vilayat" Pl Pin code-392140.						vat Taluka-Vagra.Gujarat		
2.	Sample ID: 2252908246	- 162AU22SE08	Τ	3.	Client Representative: Mr. Vikas Valand				
4.	Sample Date: 26.08.2022			5.	Samplin	ng Location: Sodium I	Hypo Stack - 1		
6.	Sampling Time: 11:50 hr			7.	Samplin	ng Duration: 10 Mins			
8.	Analysis commenced on: 29.08,2022			9.	Analysis	s Completed on: 29.0	08.2022		
10.	Reporting Date: 06.09.2022			11.	Discipli	ne: Chemical			
12.	Sample Collected By: Mr. Kishan Bhatt			13.	Group:	Atmospheric Pollution	1		
14.	Sampling Procedure: IS	Method	1	15.	Product	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	Sealed √ Thimble: Packed Bladder; Clamped					
17.	Sample Received Date:				-				
		150005-0500001	ST	ACK E	DETAIL	5			
S.No.	Parameters	Unit (SI)			Description				
1.	Source		3	Sodi	ium Hy	po Stack – 1			
2.	Height	m	1	35					
3.	Diameter	mm	30	450					
4.	Temperature	°C	1.2	37					
5.	Velocity	m/s		35					
6.	Type of fuel used		1 2	N.A.					
7.	Quantity of fuel used		13	N.A.					
S. No.	Parameters	Unit (SI)		B	esults	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Clz	mg/Nm³	13	1	.990	9	LA8-SOP-104		
Rema	rk: Aud	***************************************	eterrie		V-10-100-10	11900	THE SECURITION OF THE SECURITI		
Autho	orized By			100					
Name	Name : Bhavisha Pandya				Designation : Sr. Chemist				

Name : Bhavisha Pandya

Designation : Sr. Chemist

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 So analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above rests to the sample identified under Sample Dotsik.
 END OF REPORT.

TEST REPORT FORMAT - STACK						
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03				
Effective Date: 01.03.2021	Essue Date: 01-01-2015	Revision Date: 01.03.2021				





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/09 (ULR- TC709922000016725F)

SAMPLE DETAILS

	Name & Address of Client;	Commence of the commence of th		rice I bd Chu					
1.	"Caustic Plant-Vilayat" Plot Pin code-392140.	No 1,GIDC Vila	yat	Industrial Est	ate, Bharuch, PO-Villay				
2.	Sample ID: 2252908246 -	162AU22SE09			Client Representative: Mr. Vikas Valand				
4.	Sample Date: 26.08.2022				Sampling Location: Sodium Hypo Stack - 2				
6.	Sampling Time: 12:50 hr				Sampling Duration: 10 Mins				
8.	Analysis commenced on: 29.08.2022			The second secon	s Completed on: 29.0	18.2022			
10.	Reporting Date: 06:09.2022			The second second second second	ne: Chemical				
12.	Sample Collected By: Mr. Kishan Bhatt				Atmospheric Pollution	(
14.	Sampling Procedure: IS Method			Product	: Stack Emission	4-			
16.	Description of Sample:	Sampling Bottles	s: S	ealed V	Thimble:Packed	Bladder: Clamped			
17.	Sample Received Date: 29	.08.2022		U.64 - 12 V	10/				
			STA	ACK DETAIL	S.				
s.No.	<u>Parameters</u>	Unit (SI)		Description					
1	Source			: Sodium Hypo Stack - 2					
2.	Height	m	3	35					
3.	Diameter	mm	3	450					
4.	Temperature	°C	2	36					
5.	Velocity	m/s	1	-					
6.	Type of fuel used	T. C. Sandellion	1:	N.A					
7.	Quantity of fuel used		1	N.A					
S. No.	Parameters	Unit (SI)		Results	SPCB Norms / BIS Standards	Method Used			
L	Cle ~	mg/Nm³	1	1.697	g	LAB-SOP-104			
Rema	irk:								
Access to the second	orized By -								
March Committee Committee Committee	a : Bhavisha Pandya			Designa	tion : Sr. Chemist				

MOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -- END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO : LAB-EMT-052	Issue No.: 02	Revision No.: 03
ffective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/10 (ULR-TC709922000016726F)

		Contract Contract State and Contract Co	_	IPLE DETAIL					
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pi Pin code-392140.	t: M/s. Grasim Inc ot No 1,GIDC Vila	dus yat	Industrial Es	tate,Bharuch,PO-VIllay				
2.	Sample ID: 2252908246	- 162AU22SE10		The second second	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 26.08.2022				ng Location: Aluminius	m Chloride Plant			
6.	Sampling Time: 13:30 hr				ng Duration: 10 Mins	20101000			
8.	Analysis commenced on: 29.08.2022				is Completed on: 29.0	08.2022			
10.	Reporting Date: 06.09,2022		3	Discipli	ne: Chemical				
12.	Sample Collected By: Mr.	Kishan Bhatt			Atmospheric Pollution				
14.	Sampling Procedure: IS I	Method		Produc	t: Stack Emission	Treated the constant in page			
16.	Description of Sample:	Sampling Bottles	: 5	ealed √	Thimble:Packed	Bladder: Clamped			
17.	Sample Received Date:	29.08.2022							
			ST	ACK DETAIL	<u>s</u>				
S.No.	Parameters	Unit (SI)		Description					
1:	Source			Aluminium	Chloride Plant				
2	Height	m	1	35					
3.	Diameter	mm	1	350					
4.	Temperature	o _C	1	37					
5.	Velocity	m/s	Ş						
6.	Type of fuel used		1	N.A.					
7.	Quantity of fuel used		2	N.A					
S. No.	Perametera	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	<u>Method Used</u>			
1.	Clz	mg/Nm³	i	0.497	9	LAB-SOP-104			
Rema	irk:		-						
Autho	orized By -			0%					
Name	: Bhavisha Pandya				tion : Sr. Chemist				

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the analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

TEST REPORT FORMAT - STACK					
DOC: NO.: LAR-ENT-052	Issue No.: 02	Revision No.: 03			
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/11 (ULR- TC709922000016727F)

			SAI	MPLE DETAI	U.S			
1.	Name & Address of Clie "Caustic Plant-Vilayat" P Pin code-392140.					yat Taluka-Vagra Gujarat.		
2.	Sample ID: 2252908246	- 162AUZZSE11		3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 26.08.2022			5. Sample	The state of the s			
6.	Sampling Time: 13:40 h	r		7. Sampl	ing Duration: 10 Mins			
8.	Analysis commenced on	: 29.08.2022		9. Analys	sis Completed on: 29.	08.2022		
10.	Reporting Date: 05:09:2022			11. Discip	line: Chemical	***************************************		
12.	Sample Collected By: Mr. Kishan Bhatt			13. Group	: Atmospheric Pollutio	n		
14.	Sampling Procedure: IS	Method		15. Produ	15. Product: Stack Emission			
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date:		50000	20.0000000		LET SUREN LINE WAS ASSESSED FOR SALE		
		- 11 - 12 - 13 - 13 - 13 - 13 - 13 - 13	ST	ACK DETAIL	S			
S.No.	<u>Parameters</u>	Unit (SI)		Description				
1.	Source		1	Stable Ble	Stable Bleaching Powder Plant			
2.	Height	m		35				
3.	Diameter	mm	12	200				
242	Temperature	9c	100	-37				
5.	Velocity	m/s	1/2					
6.	Type of fuel used		188	N.A				
7.	Quantity of fuel used		12	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
20	02	mg/Nm ³	1	0.387	9	LAB-SOP-104		
Rema	rk: Den							
Autho	orized By -							
Name	: Bhavisha Pandya		Name : Bhavisha Pandya					

Designation : Sr. Chemist

NOTE:

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK				
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03		
Effective Dale: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021		





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/12 (ULR- TC709922000016728F)

		SA	MPLE DET	AILS			
Name & Address of Clie "Caustic Plant-Vilayat" F Pin code-392140.	nt: M/s. Grasim Ir Mot No 1,GIDC Vil	ndu aya	stries Ltd., t Industria	- Chemical Division. Estate,Bharuch,PO-V	illayat T	aluka-Vagra.Gujarat.	
Sample ID: 2252908246	- 162AU22SE12		3. Clie	Client Representative: Mr. Vikas Valand			
Sample Date: 26.08.2022			5. San	Sampling Location: Poly Aluminium Chloride Plant			
Sampling Time: 12:10 h	•		7. San	- Conc. In the control of the contro			
Analysis commenced on: 29.08.2022						122	
Reporting Date: 06.09.2022						C0-00	
Sample Collected By: Mr	r. Kishan Bhatt	I			tion		
Sampling Procedure: IS	Method			and the state of t			
Description of Sample:	Sampling Bottle	s: 3	Sealed V	Thimble:Packed	B	ladder: Clamped	
		5132		THIS IS A STORY OF	1.50	issoci - Gistipeu	
		ST	ACK DETA	IILS			
<u>Parameters</u>	Unit (SI)			Descr	iption		
Source		16	Poly Alur	ninium Chloride Plant	(Old Po	wrier Plant)	
Height	m	1					
Diameter	mm	1.8	350				
Temperature	D _p -						
Velocity		Ī,					
Type of fuel used		_	N.A				
Quantity of fuel used			100000				
Parameters	Unit (SI)			SPCB Norms/		Method Used	
Clo	mg/Nm³	12	0.595	9	1.0	8-SOR-104	
rk: (CA)		1000			-	W W 10 (BOD) 10	
rized By -							
: Bhavisha Pandya			1 .				
	"Caustic Plant-Vilayat" F Pin code-392140, Sample ID: 2252908246 Sample Dete: 26.08.202 Sampling Time: 12:10 h Analysis commenced on Reporting Date: 05.09.2 Sample Collected By: Mr Sampling Procedure: IS Description of Sample: Sample Received Date: Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters Cla k: rized By -	Name & Address of Client: M/s. Grasim In "Caustic Plant-Vilayat" Plot No 1,GIDC Vil. Pin code-392140. Sample ID: 2252908246 — 162AU22SE12 Sample Date: 26.08.2022 Sampling Time: 12:10 hr Analysis commenced on: 29.08.2022 Reporting Date: 06.09.2022 Sample Collected By: Mr. Kishan Bhatt Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 29.08.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature q _C Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) Cl2 mg/Nm³ k: rized By -	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pin code-392140. Sample ID: 2252908246 – 162AU22SE12 Sample Dete: 26.08.2022 Sampling Time: 12:10 hr Analysis commenced on: 29.08.2022 Reporting Date: 06.09.2022 Sample Collected By: Mr. Kishan Bhatt Sampling Procedure: IS Method Description of Sample: Sampling Bottles: Sample Received Date: 29.08.2022 ST Parameters Unit (SI) Source I: Height m : Diameter mm : Temperature % : Velocity m/s : Type of fuel used Quantity of fuel used Parameters Unit (SI) O2 mg/Nm³ : k : rized By -	Name & Address of Client: M/s. Grasim Industries Ltd., "Caustic Plant-Vilayat." Plot No 1,GIDC Vilayat Industria Pin code-392140. Sample ID: 2252908246 – 162AU22SE12 3. Clie Sample Date: 26.08.2022 5. San (Old Sampling Time: 12:10 hr 7. San Analysis commenced on: 29.08.2022 9. Ana Reporting Date: 05.09.2022 11. Disc Sample Collected By: Mr. Kishan Bhatt 13. Gro Sampling Procedure: IS Method 15. Pro Description of Sample: Sampling Bottles: Sealed Sample Received Date: 29.08.2022 STACK DETA Parameters Unit (SI) Source 1: Poly Alun Height m 1: 35 Diameter mm 1: 350 Temperature 9c 1: 36 Velocity m/s 1: - Type of fuel used 1: N.A Parameters Unit (SI) Results Cla mg/Nm³ 1: 0.595 k 1: rized By -	Sample ID: 2252908246 – 162AU22SE12 3. Client Representative: Mr Sample Date: 26.08.2022 5. Sampling Location: Poly A (Old Powder Plant). Sampling Time: 12:10 hr Analysis commenced on: 29.08.2022 9. Analysis Completed on: 3 Reporting Date: 06.09.2022 11. Discipline: Chemical Sample Collected By: Mr. Kishan Bhatt 13. Group: Atmospheric Pollu Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed Sample Received Date: 29.08.2022 STACK DETAILS Parameters Unit (SI) Description Height m : 35 Diameter mm : 350 Temperature qc : 36 Velocity m/s : - Type of fuel used : N.A Quantity of fuel used : N.A Parameters Unit (SI) Results Specification/ Parameters Unit (SI) Results Specification/ SPCB Norms/ BIS Standards Cb mg/Nm³ : 0.595 9	Name & Address of Client: M/s. Grasim Industries Ltd., - Chemical Division. "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat T Pin code-392140. Sample ID: 2252908246 − 162AU22SE12 3. Client Representative: Mr. Vikos V Sample Dete: 26.08.2022 5. Sampling Location: Poly Aluminium (Old Powder Plant) Sampling Time: 12:10 hr 7. Sampling Duration: 10 Mins Analysis commenced on: 29.08.2022 9. Analysis Completed on: 29.08.20 Reporting Date: 05.09.2022 11. Discipline: Chemical Sample Collected By: Mr. Kishan Bhatt 13. Group: Atmospheric Pollution Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed B Sample Received Date: 29.08.2022 STACK DETAILS Parameters Unit (SI) Description Source : Poly Aluminium Chloride Plant (Old Pethologist) Polymore in the procedure in the pro	

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples ere not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT------

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-PMT-052	Issue No.: 02	Revision No.: 03
Effective Date: . 01.03.2021	Issue Date: 01-01-2019	Revision Date: 01:03:2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/13 (ULR- TC709922000016729F)

1.	Name & Address of Client			MPLE DETAI				
1753	"Caustic Plant-Vilayat" Plo Pin code-392140.					yat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246 -	162AU225E13		3. Client	Representative: Mr.Vik	Representative: Mr.Vikas Valand		
4,	Sample Date: 26.08.2022				Sampling Location: Poly Aluminium Chloride Plant (Ne Powder Plant)			
6,	Sampling Time: 12:20 hr			7. Samp	ing Duration: 10 Mins			
8.	Analysis commenced on: 29.08,2022			9. Analy:	sis Completed on : 29,6	08.2022		
10.	Reporting Date: 06.09.202	72	Ш	11. Discip	line: Chemical			
12.	Sample Collected By: Mr.	Kishan Bhatt	-31	13. Group	. Group: Atmospheric Pollution			
14.	Sampling Procedure: IS M	ethod		15. Produ	5. Product: Stack Emission			
16.	Description of Sample:	Sampling Bottle	5. 5	Sealed V	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 29	.08.2022						
			SI	ACK DETAI	S			
S.No.	<u>Parameters</u>	Unit (SI)		Description				
1,	Source			Poly Alum	inium Chloride Plant	(New Powder Plant)		
2.	Height	no		35				
3.	Diameter	mm	1	350				
4.	Temperature	o _C	3	38				
5.	Velocity.	m/s	33					
6.	Type of fuel used		13	N.A				
7.	Quantity of fuel used		13	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
7433	Ch	rng/Nm³	33	0.477	9	LAB-SOP-104		
Rema	rk:					***		
A STATE OF THE PARTY OF THE PAR	rized By -							
Name	: Bhavisha Pandya			Decions	tion : Sr. Chemist			

NOTEL

Designation : Sr. Chemist

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Re-analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK					
DOC., NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/14 (ULR- TC709922000016730F)

			SA	MPLE D	ETAI	LS			
1.	Name & Address of Clie "Caustic Plant-Vilayat" F Pin code-392140.						yat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246	- 162AU22SE14		3, C	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 26.08,2022			5. S	Sampling Location: Poly Aluminium Chloride Plant (Lique Plant)				
6.	Sampling Time: 12:30 h	re:		7. S	ampl	ing Duration: 10 Mins			
8.	Analysis commenced on	29.08.2022		19000		is Completed on : 29.	08.2022		
10.	Reporting Date: 06.09.2022					line: Chemical	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT		
12,	Sample Collected By: Mr	r, Kishan Bhatt		13. G	roup	: Atmospheric Pollutio	0		
14.	Sampling Procedure: IS	Method							
15.	Description of Sample:	Sampling Bottle	151 1	Scaled V		Thimble:Packed	Bladder; Clamped		
17.	Sample Received Date:	29.08.2022	DUGM	Emicator transfer			Land downstated the same		
			SI	ACK DE	TAIL	<u>s</u>			
<u>S.No.</u>	<u>Parameters</u>	Unit (SI)			Description				
1.	Source		1	Poly A	lumi	inium Chloride Plan	t (Liquid Plant)		
2,	Height	m		35	5710/0500				
3.	Diameter	mm		350					
4.	Temperature	VC.	100						
5	Velocity	m/s							
6.	Type of fuel used		T	N.A.					
7,	Quantity of fuel used		Ŀ	N.A.		VIX.			
S. No.	Parameters	Unit (SI)		Resu	its	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Oz C	mg/Nm ³		0.58	66	9	LAB-SOP-104		
Remai	rk: Acco		all the same	No. 100 (200)		- 50			
Autho	rized By -		_						
Company of the Control of the Contro	: Bhavisha Pandya			Deci	ianat	tion : Sr. Chemist			
	or and a		101110	1469	Ang	don i ar. Chemist			

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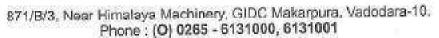
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. ----END OF REPORT---

	TEST REPORT FORMAY - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03	
ffective Date: 01,03,2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021	

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/15

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Villayat" Pio Pin code-392140.	: M/s. Grasim Inc ot No 1,GIDC Vila	lust yat	ries Ltd.,- C Industrial Es	hemical Division. tate,Bharuch,PO-Villa	eyat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246	- 162AU22SE15	T s	3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 26.08.2022		13	-	Sampling Location: HCL Stack - 1			
6.	Sampling Time: 14:00 hr		8	7. Sampl	ing Duration: 10 Mins	\$		
8.	Analysis commenced on:	29.08.2022			is Completed on : 29			
10.	Reporting Date: 06.09.20	The state of the s	13		ine: Chemical	35.30(-)(270)		
12.	Sample Collected By: Mr. Kishan Bhatt		_	The state of the s	: Atmospheric Pollutio	on no		
14.	Sampling Procedure: IS Method				ct: Stack Emission			
16.	Description of Sample:		. S	ealed √	Thimble:PackedV	Bladder: Clamped		
17.	Sample Received Date: 2		i accessor f					
17.	Sample Received Date: 2		ST	ACK DETAI	S			
S.No.	Parameters	Unit (SI)	Description			ption		
1.	Source		:	HCL Stack	1			
2.	Height	m	1:	35				
3.	Diameter	mm	4	150				
4.	Temperature	o _C	:	36				
5.	Velocity	m/s	:					
6.	Type of fuel used		1	N.A				
7.	Quantity of fuel used		1	N.A		V		
S. No.	Parameters .	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL.	mg/Nm ³	-	11.72	35	APHA 23 ^{et} Edition: 4500 - Cl C		
Rema	irk:							
Autho	orized By -							
All married	: Bhavisha Pandya			Design	ation : Sr. Chemist			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/16

SAMPLE DETAILS

2.	Pin code-392140. Sample ID: 2252908246 – 162AU22SE16		3		Client Representative: Mr.Vkas Valand				
4.	Sample Date: 26.08.2022	2			ing Location: HCL Sta	A STATE OF THE STA			
6.	Sampling Time: 14:10 hr		1		Ing Duration: 10 Mins	73000 0 70 70 70 70 70 70 70 70 70 70 70 7			
8.	Analysis commenced on: 29.08.2022			The second secon	is Completed on: 29	,08,2022			
10.	Reporting Date: 06.09.2022				ine: Chemical	Name :			
12.	Sample Collected By: Mr.	Kishan Bhatt			: Atmospheric Pollution	on			
14.	Sampling Procedure: IS		4	ALEX TOTAL	ct: Stack Emission	1.2000000000000000000000000000000000000			
16.	Description of Sample:		s: S	eoled V	Thimble:Packedy	Bladder: Clamped			
17.	Sample Received Date:	29.08.2022							
			51.	ACK DETAIL	2				
s.No.	Parameters	Unit (SI)		Description					
1.	Source		13	: HCL Stack - 2					
2.	Height	m	1	35					
3.	Diameter	mm	2	150					
4.	Temperature	o _C	1	38					
5.	Velocity	m/s	13						
6.	Type of fuel used		1	N.A.					
7.	Quantity of fuel used		1	N.A					
S. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
	HCL	mg/Nm ³	т	12.87	35	APHA 23rd Edition: 4500 - Q C			

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

END OF REPORT-

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/17

SAMPLE DETAILS

	CONTRACTOR AND ADMINISTRATION OF THE PARTY O	and the second s	_	IFEE WEIM				
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code 392140.	t: M/s. Grasim Ind ot No 1,GIDC Villa	dusi yat	Industrial E	state,Bharuch,PO-Villa	ayat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246	- 162AU22SE17	13		Representative: Mr.V			
4.	Sample Date: 26.08.2022	2		The second second second second	ling Location: HCL Sta	No.		
6.	Sampling Time: 12:30 hr		18		ling Duration: 10 Mins			
8.	Analysis commenced on:	29.08.2022			sis Completed on: 29	.08.2022		
10.	Reporting Date: 06.09,2022		3		oline: Chemical			
12.	Sample Collected By: Mr		300	March Street,	o: Atmospheric Palluti	on		
14.	Sampling Procedure: IS		-	F-5.5 (1.5.5.5)	oct: Stack Emission	Name and the second second		
16.	Description of Sample:	Sampling Bottle	s: S	icaled √	Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date: 2				9049			
-			ST	ACK DETAI	LS			
S.No.	Parameters	Unit (SI)			Description			
1.	Source		1	HCL Stack	HCL Stack - 3			
2.	Height	m	:	35				
3.	Diameter	mm	1	150				
4.	Temperature	°C	2	36				
5.	Velocity	m/s	1:	-				
6.	Type of fuel used	JII X SOLIN	1	N.A				
7.	Quantity of fuel used		1	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³	5	10.66	35	APHA 23rd Edition: 4500 - CI C		
Rema	ork: J.M.							
Autho	orized By -							
Marian	s a Bhawleha Dandya			Design	ation : Sr. Chemist	R		

Name : Bhavisha Pandya

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 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	A CONTRACTOR OF THE PARTY OF TH
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/18

CAMPLE DETATIO

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Inc	dus	I <u>PLE DE</u> tries Ltd. Industria	,- Chi	emical Division.	syat Taluka-Vagra Gujarat.
	Pin code-392140. Sample ID: 2252908246	163411330010	1	3. Cli	ont 9	epresentative: Mr.V	ikas Valand
2.		102MU225E10	+			ng Location: HCL Sta	the state of the s
4.	Sample Date: 26.08.2022		1			ng Duration: 10 Mins	
6.	Sampling Time: 12:40 hr	0.00 2022				s Completed on : 29	
8.	Analysis commenced on: 2		1			ne: Chemical	99.25
10.	Reporting Date: 06.09.2022 Sample Collected By: Mr. Kishan Bhatt			-	printed compress	Atmospheric Polluti	an .
12.	Sample Colected by: Mr. Sampling Procedure: IS M			The second second	Acres (Acres)	:: Stack Emission	0.1
14.				The second second			Bladder: Clamped
16.	Description of Sample:		91.5	esied v		mimble:Packed v	biouder, Cidiriped
17.	Sample Received Date: 29	.08.2022	ST	ACK DE	CATES	S	
			211	1011 02			
S.No.	<u>Parameters</u>	Unit (SI)			Description		
1.	Source		1:	HCL St	ack -	4	
2.	Height	m	1.	35			
3.	Diameter	mm	1	150			
4.	Temperature	%	1	37			
5.	Velocity	m/s	13	œ			
6.	Type of fuel used			N.A			
7	Quantity of fuel used		I	N.A			
S. No.	Parameters	Unit (SI)		Resul	ts	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HQL .	mg/Nm²	13	11.2	3	35	APHA 23 rd Edition: 4500 - CI C
Rema	ark: A-A						
-	orized By -						

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. END OF REPORT

TEST REPORT FORMAT - STACK Revision No.: 03 Issue No.: 02 DOC. NO.: LAB-FMT-052 Issue Date: 01-01-2015 Revision Date: 01.03.2021 Effective Date: . 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/19

SAMPLE DETAILS

				PLE DETAIL			
11.5	Pin code-392140.	ot No 1,GIDC Vila	dust yat	Industrial Es	tate,Bharuch,PO-Villa	ayat Taluka-Vagra Gujaret.	
2.	Sample ID: 2252908246	- 162AU22SE19	_		Representative: Mr.V		
4.	Sample Date: 27.08.202	2	, S		ng Location: Phospho		
6.	Sampling Time: 14:30 h				ng Duration: 15 Mins		
8.	Analysis commenced on:	29.08.2022		Annual Contract of the Contrac	is Completed on: 29	.08.2022	
10.	Reporting Date: 06.09.2	022	1		ine: Chemical		
12.	Sample Collected By: Mr	. Kishan Bhatt	-		Atmospheric Pollution	on:	
14.	Sampling Procedure: IS	Method			t: Stack Emission		
16.	Description of Sample:	Sampling Bottles	st Si	Sealed √ Thimble:Packed √ Bladder: Clamped			
17.	Sample Received Date:	29.08.2022					
			STA	CK DETAIL	.5		
S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption	
1.	Source		1	Phosphoric Acid Plant			
2.	Heicht	m		35			
3.	Diameter	nim	6	350			
4.	Temperature	NC	5	36			
5.	Velocity	m/s		-			
6.	Type of fuel used			N.A	0.00		
7.	Quantity of fuel used		15	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HQ.	mg/Nm²	1	5.86	20	APHA 23 rd Edition: 4500 - Cl C	
2.	HF.	mg/Nm²		N.D.	6.	IS 11255 (Part 5): 1990	
Rema	ark : N.D Net Detect	ed.					
	orized By - (CXX)			I Downward Co.			
Name	e : Bhavisha Pandya				Designation : Sr. Chemist		

Name: Bhavisha Pañdya NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample 7 the samples. are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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871/B/3, Near Himalaya Machinery, GIDC Makarpura. Vadodara-10. Phone: (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/20

SAMPLE DETAILS

	I SHOULD A SHOULD	1.0.00.00.00.00.00.00.00.00.00.00.00.00.	1 60	2. A. C. T. L. C.	14.0	The second of the second second second second
Th.	HCE: KART	mg/Nm ³	+	2.40	20	APHA 23rd Edition: 4500 - Cl G
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
7.	Quantity of fuel used		12	N.A.		
6.	Type of fuel used		1	N.A.		
5.	Velocity	m/s		5.4		
4.	Temperature	5c	1	75		
3.	Diameter	mm	1	G#1		
2.	Height	m	14			
1.	Source		1	Calcium Ch	loride Plant	
S.No.	Parameters	Unit (SI)		Description		
			ST.	ACK DETAI	S	
17.	Sample Received Date: 2					Printed Communication
16.	Description of Sample:		s: S	ealed V	Thimble:Packed v	Bladder: Clamped
14.	Sampling Procedure: IS I				ct: Stack Emission	
12.	Sample Collected By: Mr. Kishan Bhatt				: Atmospheric Polluti	on
8.	Analysis commenced on: 29.08.2022 Reporting Date: 06.09.2022			THE RESERVE TO SERVE THE PARTY OF THE PARTY	line: Chemical	
6.	Sampling Time: 13:10 hr		+		sis Completed on : 29	SECOND CONTRACTOR
4.	Sample Date: 27.08.2022		1		ing Duration: 15 Min	
2.	Sample ID: 2252908246		+		ing Location: Calcium	The state of the s
1.	Pin code 392140.	ot No 1,GIDC Vila	yat	Industrial E	state,Bharuch,PO-Villi Representative: Mr.V	syat Taluka-Vagra Gujarat.

Name: Bhavisha Pandya

Designation : Sr. Chemist

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - STACK	200 1730 1000
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/21

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Vilavat" Pic	t: M/s. Grasim Ind at No 1.GIDC Vila	dust vat	ries Ltd.,- Cl Industrial Es	nemical Division. tate,Bharuch,PO-Villa	eyat Taluka-Vagra.Gujarat.	
	Pin code-392140.		Brace.				
2.	Sample ID: 2252908246	- 162AU22SE07			Representative: Mr.V		
4.	Sample Date: 26.08.2022	Committee of the commit			ing Location: Chlorina		
6.	Sampling Time: 11:30 hr				ing Duration: 10 Min		
8.	Analysis commenced on:	29.08.2022	1 8	Contract of the Contract of th	is Completed on : 29	0.08.2022	
10.	Reporting Date: 06.09.20			The second secon	line: Chemical		
12.	Sample Collected By: Mr.		1.8		: Atmospheric Polluti	on	
14.	Sampling Procedure: IS N	4ethod	1.3	15. Produ	t: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	ealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	29.08.2022	0.610				
200			ST	ACK DETAI	<u>.s</u>		
S.No.	Parameters	Unit (SI)		Description			
1.	Source		i į	Chlorinated Paraffin Plant			
2.	Height	m	14	35			
3.	Diameter	mm	14	350			
4.	Temperature	°C	1:	36			
5.	Velocity	m/s	1	28			
б.	Type of fuel used	71070		N,A			
7.	Quantity of fuel used			N.A	CO TO ALLESSA CONTRACTOR		
S. No.	Parameters	<u>Unit (S1)</u>		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCT ~	mg/Nm³	;	2.65	26	дрна 23 rd Edition: 4500 - Cl 0	
Rema	ark: (ran)		3/11				
Autho	orized By -						
-	e : Bhavisha Pandya				ation : Sr. Chemist		

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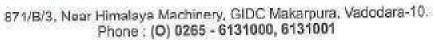
Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample Dentified under Sample Details.
 END OF REPORT

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/22

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.	No 1,GIDC Vila	yat	Industrial E	state,Bharuch,PO-Vill	oyot Taluka Vagra.Gujarat.		
2.	Sample ID: 2252908246 -	162AU22SE10		3. Client	Representative: Mr.\	/ikas Valand		
4.	Sample Date: 26.08.2022		18	5. Samp	oling Location: Alumin	ium Chloride Plant		
6.	Sampling Time: 13:30 hr		1	7. Samp	oling Duration: 10 Min	5		
8.	Analysis commenced on: 29.08.2022			9. Analy	sis Completed on: 29	9.08.2022		
10.	Reporting Date: 06.09.2022			11. Disci	oline: Chemical			
12.	Sample Collected By: Mr. I		13		p: Atmospheric Polluti	on .		
14.	Sampling Procedure: IS M			15. Produ	uct: Stack Emission			
16.	Description of Sample:		: S	ealed v	Thimble:Packed v	Bladder: Clamped		
17.	Sample Received Date: 29	.08.2022						
			ST	ACK DETA	ILS			
S.No.	o. Parameters Unit (SI)			Description				
j.	Source		4	Aluminiu	m Chloride Plant			
2.	Height	m	1	35	Mar-AND-AND-AND-AND-AND-AND-AND-AND-AND-AND			
3.	Diameter	mm	3	350				
4	Temperature	°C	1	37				
5.	Velocity	m/s	1					
6.	Type of fuel used			N.A				
7.	Quantity of fuel used		1	N.A				
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³	:	1,60	20	APHA 23rd Edition: 4500 - CLI		
_	rk:	70						

Name : Bhavisha Pandya

Designation : Sr. Chemis

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2)

are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 DOCL NO.: LAB-FMT-052 Essue No.: 02 Revision Date: 01.03.2021 Effective Date: 01.03.2021 Issue Date: 01-01-2015

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/23

SAMPLE DETAILS

100		at No 1,GIDC Vila	yat	Industria	l Esta	te,Bharuch,PO-Ville	ayat Taluka-Vagra,Gujarat.
-	Pin code-392140.	162AU33CE11	I	3. Cli	ont De	presentative: Mr.V	lkas Valand
2.	Sample ID: 2252908246						Bleaching Powder Plant
4.	Sample Date: 26.08.2022	***	+			Duration: 10 Mins	
6.	Sampling Time: 13:40 hr		_			Completed on : 29	
8.	Analysis commenced on:		+				.00.2022
10.	Reporting Date: 06.09.20		_	The second second second second	Discipline: Chemical Group: Atmospheric Pollution		
12.	Sample Collected By: Mr. Sampling Procedure: IS I	Astrod	_		The Control of the Control	Stack Emission	011
14.	Description of Sample:		1			Thimble:Packed	Bladder: Clamped
16.			53	corcu v		Hambier dence	T DICTORNI CONTRACT
17.	Sample Received Date:	29:00:2024	ST/	ACK DE	AILS		
S.No.	Parameters	Unit (SI)	П			Descri	ption
1.	Source		i	Stable	Bleac	hing Powder Pla	nt
2.	Height	S mr		35	Out CONTRACT		V/AC
3.	Diameter	mm		200			
4.	Temperature	90		37			
5.	Velocity	m/s	1				
6.	Type of fuel used		3	N.A.			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Resu	ts	Specification/ SPC8 Norms/ BIS Standards	Method Used
12	HCL	mg/Nm³	13	3.73	3	20	APHA 23rd Edition: 4500 - CI (
Rema	rk: K						
	orized By -						

Name: Bhavisha Pandya

Designation : Sr. Chemist 1) Reports may be reproduced, if required, but only in full and only with written approvel of the laboratory. NOTE

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 DOC: NO.: LAB-FMT-052 Issue No.: 02 Revision Date: 01.03.20ZL Issue Date: 01-01-2015 Effective Date: . 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/24

SAMPLE DETAILS

No.	Parameters	<u>Unit (51)</u>		2.13	BIS Standards	APHA 23rd Edition: 4500 - CLC	
8.		1000	Ť	Results	Specification/ SPCB Norms/	Method Used	
7.	Quantity of fuel used		Tie	N.A			
6.	Type of fuel used	- Canada	1	N.A			
5.	Velocity	m/s		-			
4.	Temperature	a _C	Ť.	36			
3.	Diameter	mim	Ti.	350			
Z.	Height	m	Ť.	35			
1	Source	-	14	Poly Alumi	nium Chloride Plant I	(Old Powder Plant)	
S.No.	Parameters	Unit (SI)			Descri	ption	
		3	ST	ACK DETAIL	S		
17.	Sample Received Date: 2				4		
16.	Description of Sample:		s: 5	Sealed √	Thimble:Packed	Bladder: Clamped	
14.	Sampling Procedure: IS N		_		Product: Stack Emission		
12.	Sample Collected By: Mr.		-	The second secon	Group: Atmospheric Pollution		
10.	Reporting Date: 06.09.20	100 000			ine: Chemical		
6. 8.	Sampling Time: 12:10 hr Analysis commenced on:	20.08.2022			is Completed on : 29	V-10-10-10-10-10-10-10-10-10-10-10-10-10-	
2	S For Times 12:10 he		+	-	owder Plant) ing Duration: 10 Mins		
4.	Sample Date: 26.08.2022		1		ing Location: Poly Alu	minium Chloride Plant	
2.	Sample 1D: 2252908246 -	162AU22SE12			Representative: Mr.V		
1.	Name & Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.	t No 1,GIDC Vila	yat	Industrial Es	tate,Bharuch,PO-Villa	eyat Taluka-Vagra Gujarat.	

Name: Bhavisha Pandya

Designation : Sr. Chemist

1)

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 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 Issue No.: 02 DOC, NO.: LAB-FMT-052. Revision Date: 01.03.2021 Effective Date: 01.03.2021 Issue Date: 01-01-2015

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/25

SAMPLE DETAILS

1.0	"Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GEDC Vila	yat	Industrial Es	tate,Bharuch,PO-VIII	eyat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	- 162AU22SE13	1	3. Client	Representative: Mr.V	rikas Valand	
4,	Sample Date: 26.08.202	197	10000	CONTRACTOR DESCRIPTION OF THE PERSON OF THE	Sampling Location: Poly Aluminium Chloride Plant (New Powder Plant)		
6.	Sampling Time: 12:20 hr		13	7. Sampl	ing Duration: 10 Min	ç	
8.	Analysis commenced on:	Control State of the Control	13	9. Analys	is Completed on: 29	0.08.2022	
10.	Reporting Date: 06.09.2	CHICAGO CO.	1 3	11. Discip	line: Chemical		
12.	Sample Collected By: Mr	, Kishan Bhatt			Group: Atmospheric Pollution		
14.	Sampling Procedure: IS	Method		Produ	et: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble: Packed	Bladder: Clamped	
17.	Sample Received Date: 2	29.08.2022					
			ST	ACK DETAI	LS		
S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption	
1.	Source		3	Poly Alumi	nium Chioride Plant	(New Powder Plant)	
2.	Height	m	:	35			
3.	Diameter	mm	13	350			
4.	Temperature.	oC	:	38			
5.	Velocity	m/s	1	-			
6.	Type of fuel used		14	N.A			
7.	Quantity of fuel used		13	N.A			
	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/. BIS Standards	Method Used	
S. No.			_	20000	20	APHA 23rd Edition: 4500 - Cl C	
	HOL	mg/Nm ³	:	3.75	20	APPIA 23 - EUIDOB, 4500 - CI C	

Name : Bhavisha Pandya

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Designation : Sr. Chemist

TEST REPORT FORMAT - STACK					
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: AUG22/162/26

SAMPLE DETAILS

Rema	The state of the s	m-Strain	18		1 270	International Control Dist. Dis	
1.	HCL	mg/Nm³	1.2	3.21	20	APHA 23 rd Edition: 4500 - CI C	
S. No.	Parameters	Unit (SI)		Rocults	Specification/ SPCB Norms/ BIS Standards	Method Used	
7.	Quantity of fuel used		i	N.A	w - need one		
6.	Type of fuel used		18	N.A			
5.	Velocity	m/s		40			
4	Temperature	o _C	臣	37			
3.	Diameter	mm	Ė	350			
2.	Height	m	3	35			
1.	Source		15	Poly Alum	inium Chloride Pla	ant (Liquid Plant)	
S.No.	Parameters	Unit (SI)	П		Descr	iption	
		5	ST.	ACK DETAI	LS		
17.	Sample Received Date:	29.08.2022					
16.	Description of Sample:		s 5	ealed √	Thimble:Packed v	Bladder: Clamped	
14.	Sampling Procedure: IS		-		et: Stack Emission		
10. 12.	Sample Collected By: Mr		and the said		: Atmospheric Polluti	inn	
В.	Reporting Date: 06.09.2		1		Analysis Completed on : 29.08.2022 Discipline: Chemical		
6.	Sampling Time: 12:30 h	Sampling Time: 12:30 hr Analysis commenced on: 29.08.2022			ling Duration: 10 Min		
4.	Sample Date: 26.08,202		20	Plant)			
2.	Sample ID: 2252908246		-		Representative: Mr.\	vikas valanu uminium Chloride Plant (Liqui	
1.	Pin code-392140.	ot No 1,GIDC Vila	yat	Industrial Es	state,Bharuch,PO-VIII	ayat Taluka-Vagra.Gujarat.	

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 Re analysis of sample will be done, if requested within 2 days from the date of Reporting of carryle if the samples. are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK					
DOC, NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/29 (ULR- TC709922000018279F)

SAMPLE DETAILS

			SAPILEE		and the same of th		
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Indi No 1,GIDC Vilay	ustries Ltd.,- C at Industrial E	state, t	Middle City Po-Villayor Tollow	Vagra.Gujarat.Pin code-	
	Sample ID: 2252908246 -			3.	Client Representative: Mr.	Vikas Vaidilu	
232				5.	Sampling Location: Nr. ALCP Plant		
4.	Sampling Date: 20.09.2022	-	_	7.	Sampling Duration: 24 Hr		
6.	Sampling time: 11:30 hr			4.			
8.	Analysis commenced on	: 22.09.2022		9.	Analysis Completed on : 22,09,2022		
	Reporting Date: 01.10.2			11.	Discipline: Chemical	1000	
-				13.	Group: Atmospheric Pollu	tion	
12.		othed		15.	Product: Ambient Air		
14.		Europe 1	Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped √	
16.		The second secon	The second secon		Wind speed: Smooth	Cloud cover: Clear sky	
17.	Environment Condition:	Temp: Normal		cium	A THEORY OF THE PROPERTY OF THE PARTY OF THE	Station category: Industria	
-	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station Category, Process	
18.	Sample Received Date:	22.09.2022					
100	The state of the s		and the state of the state of				

TEST RESULTS

S. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
		μg /m ¹	146	45	100	IS 5182 (Part 23): 2006
l.	PM ₁₀	- Control of the Cont		15	60	Guidelines By CPCB(Vol-1)
2.	PM 2.5	μg /m³			80	15 5182 (Part 2): 2001
3.	Sulphur Dioxide (SO ₂)	μg /m²	(X)	9.64	The same of the sa	IS 5182 (Part 6) : 2006
4.	Oxides of Nitrogen (NO _x)	ug /m³	1	17.40	80	The first design of the contract of the contra
	- Laboratoria de la companya de la c	μg /m ³		3.10	100	IS 5182(Part 19): 1982
5.	CL:	-	1	2.45	400	Guidelines By CPCB(Vol-1)
6.	Ammonia (NH ₃)	ug /m²	3	3-000	(1-5.0)	15 S182 (Part 7): 1973
7.	H _i S	pg/m²	17	N.D.	500	15 5162 (Fd)(7), 457.5

Remark: N.D. - Not Detected.

Authorized By -

NOTE:

Name : Bhavisha Pandya

Designation: Sr. Chemist

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fite analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - AMBIE!	NT.
The same of the sa	Issue No.: DZ	Revision No.: 03
DOC. NO.: LAB-FMT-051	A CONTRACTOR OF THE PARTY OF TH	Revision Date: 01.03.2021
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Page 1 of





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/30 (ULR-TC709922000018280F)

SAMPLE DETAILS

			Dru II pe	117			
1,	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Indo No 1,GIDC Vilay	ustries Ltd.,- C at Industrial Es	hemica state,B	al Division. sharuch,PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
	Sample ID: 2252908246 -	The state of the s		3.	Client Representative: Mr.	, Vikas Valand	
	Sampling Date: 20.09.2022			5.	Sampling Location: Nr.PAC Plant		
					Sampling Duration: 24 Hrs		
6.	Sampling time: 11:45 hr				The state of the s	The state of the s	
8.	Analysis commerced on	: 22.09.2022			Analysis Completed on: 22.09.2022		
10.	Reporting Date: 01.10.2			11.	Discipline: Chemical		
	CONTRACTOR OF THE PROPERTY OF			13.	Group: Atmospheric Pollu	rtion	
-	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air		
14,	Description of Sample:	Sampling I	Bottles: Sealed	1	Filter Paper: Packed √	Bladder: Clamped v	
16.		The second secon	The state of the s		Wind speed: Smooth	Cloud cover: Clear sky	
17.	Environment Condition:	Temp: Normal	The second secon			Stetion category: Industrial	
	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from:	5.000	
18.	Sample Received Date:	22.09.2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCR Norms/ BIS Standards	Method Used
4	74X	eg /m²	1	51	100	IS 5182 (Part 23.): 2006
1.	PM _{i3}	sig /m³	13	10	60	Guidelines By CPCB(Vol-1)
2.	PM-25	The second secon	1	The state of the s	80	IS 5182 (Part 2): 2001
3.	Sulphur Dioxide (SO ₂)	pg /m³	383	7.89		and the second s
4	Oxides of Nitrogon (NO ₈)	μg /m³	11	13.64	80	IS 5182 (Part 6) : 2005
76	A CONTRACTOR OF THE PARTY OF TH	ug /m²	1.	2.66	100	IS 5182(Part 19): 1982
5,	CL2	141 44,000	-	1000	400	Guidelines By CPCB(Vol-1)
6.	Ammonta (NH ₃)	μg /m³	1	N.D.	2000	
7.	H ₂ S	μg /m ³	1	N.D.	500	IS 5182 (Part 7): 1973
223	77.700					

Remark: N.D. - No Petected.

Authorized By -

Name: Bhavisha Yandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. ----END OF REPORT-----

	TEST REPORT FORMAT - AMBIE	NT
THE PART OF	Issue No.: 02	Revision No.: 03
DOC. NO.: LAB-FMT-051 fective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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(MoEF Approved)

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/31 (ULR- TC709922000018281F)

SAMPLE DETAILS

			SAPITEL		Control of the Contro	
1.	Name & Address of Client: Caustic Plant-Vilayat" Plot	M/s. Grasim Indo No 1,GIDC Vilay	istries Ltd.,- Cl at Industrial E	state, b	maruch, ro valayar raises	Vagra Gujarat.Pin code-
	Sample ID: 2252908246 -			3.	Client Representative: Mr.	Vikas valatiu
				5.	Sampling Location: Nr.Ma	in Gate
	Sampling Date: 21.09.2022	4			Sampling Duration: 24 Hr	
	Sampling time: 11:30 hr			-	Analysis Completed on	
8.	Analysis commenced on	: 22.09.2022		9.		, 22,03,2022
10.	Reporting Date: 01.10.2	2022		11.	Discipline: Chemical	41.00
12.	Sample Collected By: M	r. Vimal		13.	Group: Atmospheric Pollu	tion
	Sampling Procedure: IS M	ethod		15.	Product: Ambient Air	
-		T Sampling i	Bottles: Sealed	V	Filter Paper; Packed √	Bladder: Clamped √
16.	s manufel and	Temp: Normal	A September of the Control of the Co		Wind speed: Smooth	Cloud cover: Clear sky
17.		Property of the Control of the Contr	The State of the S		Wind blowing from:	Station category: Industria
	Rain: No Rain	Wind Direction:	DOWN WARD	_	Contract of the contract of th	
18.	Sample Received Date:	22.09.2022				

TEST RESULTS

S. (o.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
100		pg /m ⁵	3	57	100	IS 5182 (Part 23): 2006
1.	PM ₁₃	- C.	13	17	60	Guidelines By CPCB(Vol-1)
2.	PM 25	μg /m³	1	72	80	15 5182 (Part 2) : 2001
1.	Sulphur Dioxide (50)	ted (us	18	5.70		IS 5182 (Part 6.) : 2006
40	Oxides of Nitrogen (NO _F)	ug/m³	:	16.85	80	
35		µg/m³	:	1.77	100	IS 5182(Part 19): 1982
5.	CL2	Contract Con	13		400	Guidelines By CPCB(Vol-1)
6.	Ammonta (NH ₃)	μg /m³	1	0.50		IS 5182 (Part 7): 1973
7.	H ₂ S	pig /m²	4	N.D.	500	19 Stor (Last)), 1943

Remark: N.D. - Not Detected.

Authorized By -

Name: Bhavisha Bandya

Designation: Sr. Chemist

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Re ensiyate of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - AMBIE	NT T
	Issue No.: 02	Revision No.: 03
DOC. NO.: LAB-FMT-051	The second secon	Revision Date: 01:03,2021
Effective Date 01.03.2021	Issue Date: 01-01-2015	Page 1 o





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/32 (ULR- TC709922000018282F)

SAMPLE DETAILS

			SAPITEE		The second secon	
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Indi No 1,GIDC Vilay	ustries Ltd.,- Cl at Industrial Es	state, b	sharuch, PO-valeyat ratera	Vagra.Gujarat.Pin code-
	Sample ID: 2252908246 -		***************************************	3.	Client Representative: Mr.	Vikas valanu
				5.	Sampling Location: Nr. Ma	arketing Yard
	Sampling Date: 21.09.2022	9			Sampling Duration; 24 Hr	
6.	Sampling time: 12:00 hr			10		
8.	Analysis commenced on	: 22.09.2022		9.	Analysis Completed on	; 22.09.2022
10.	Reporting Date: 01.10.2			11.		
				13.	Group: Atmospheric Pollu	tion
12.	Sample Collected By: M	ethod		15.	Product: Ambient Air	
14,	TO STORE WELL AND ADDRESS OF THE PROPERTY OF THE PARTY OF	eurou	Dottlers Caulad	100000	Filter Paper: Packed √	Bladder: Clamped √
16.	Description of Sample:	The state of the s	Bottles: Sealed		Wind speed: Smooth	Cloud cover: Clear sky
17.	Environment Condition:	Temp: Normal	Humidity: Mex	dium		Station category: Industria
300	Rain: No Rain	Wind Direction:	Down wind		Wind-blowing from:	Station category: processes
18	Sample Received Date:	22.09.2022				

TEST RESULTS

S,	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
		jig/m³	3	- 49	100	15 5182 (Part 23): 2006
1.	PM _D	ug/m³	12	14	60	Guidelines By CPCB(Vol-1)
2.	PM 23	The second secon			80	IS 5182 (Part 2.): 2001
3.	Sulphur Dioxide (SQ ₂)	μ <u>φ</u> /m³	18	6,14		IS 5182 (Part 6): 2006
4	Oxides of Nitrogen (NOs)	μg /m³	13	14.52	80	The state of the s
-		µg./m³	10	0.47	100	IS 5182(Part 19): 1982
5.	CL ₂		1.5	0.000	400	Guidelines By CPCB(Val-1)
6.	Ammonia (NH ₃)	μg /m²	4	0.99	307307	
7.	H ₂ S	µg /m²	:	N.D.	500	IS 5182 (Part 7): 1973

Remark: N.D. - Not Detected.

Authorized By -

Name: Bhavisha Pandya

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Samule Details. 31

END OF REPORT----

	TEST REPORT FORMAT - AMBIE	NT
	Issue No.: 02	Revision No.: 03
DOC. NO.: LAB-FMT-051	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/33

SAMPLE DETAILS

			SAMPLED	-	The state of the s	
1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Indo No 1,GIDC Vilay	ustries Ltd.,- C at Industrial Es	state, 5	harucit, PO-villayer Toloko	Vagra.Gujarat.Pin code-
2.	Sample 1D: 2252908246 -	And the second s		3.	Client Representative: Mr.	Vikas Valand
	Sampling Date: 20.09.2022			5.	Sampling Location: Nr. AL	
	Sampling time: 11:30 hr			7.	Sampling Duration: 24 Hr	5
	- Control of the cont	22 00 2022		9.	Analysis Completed on	; 22,09.2022
	Analysis commenced on				La contract estimates	AVOCATION FOR THE STATE OF THE
10.	Property and the second	UZZ Viceni		13.	in the second sector Coults	tion
12.		r. Villiai		15.	Product: Ambient Air	77 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		Sampling F	Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped v
_	Description of Sample:	Temp: Normal	Humidity: Mer		Wind speed: Smooth	Good cover: Clear sky
17.	A TOUR DOOR LONG TO THE TOUR DOOR TO THE				Wind blowing from: -	Station category: Industria
	Rain: No Rain	Wind Direction:	DOWN WILLS		Market State of the State of th	
18.	Sample Received Date:	22.09.2022				

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification / SPCB Norms / BIS Standards	Method Used
140.		ug/m³	14	721	5000	15 5182(Part 10): 1999
1.	00	-	2		200	APHA 23'd Edition 4500 CHC
2.	HC.	μg /m²	2	3.21		IS 5182(Part 21): 2001
2	Hydrocarbon(HC) NMHC	ug /m²	3	N.D.	160	The second secon
4	The state of the s	µg /m³	1	N.D.	60	IS 5182 (Part 13): 1991
4,	HF	-	10		2000	15 5182 (Part 20): 1982
5.	CS ₂	µg/m³	13	N.D.	2000	12 Mee fear call there

Remark: N.D. - Not Detected.

Authorized By -

NOTE:

Name: Bhavisha Papaya

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

------END OF REPORT-----

	TEST REPORT FORMAT - AMBIEL	NT
A WAR ARE	Issue No.: 02	Revision No.: 03
DOC. NO.: LAB-FMT-051		Revision Date: 01.03.2021
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Page 1 of

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/34

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Indi No 1,GIDC Vilay	ustries Ltd.,- C at Industrial Es	tate, c	sharuch, FO-Villayor raidies	Vagra.Gujarat.Pin code-
_	Sample ID: 2252908246 -			3.	Client Representative; Mr.	VIKAS V DIGITAL
2.				5.	Sampling Location: Nr.PA	C Plant
	Sampling Date: 20.09.2022			7.	Sampling Duration: 24 Hr.	
6.	Sampling time: 11:45 hr			-		
8.	Analysis commenced on	: 22.09.2022		9.	Analysis Completed on	, 22.09.2022
	Reporting Date: 01.10.2			11.	Discipline: Chemical	
12.				13.	Group: Atmospheric Pollu	tion
	Sample Collected By: Mi	thed		15.	Product: Ambient Air	
	Sampling Procedure: IS Me	Europe I	Bottles: Sealed	100	Filter Paper: Packed √	Bladder: Clamped √
16.	Description of Sample:				Wind speed: Smooth	Cloud cover. Clear sky
17.	Environment Condition:	Temp: Normal	Humidity: Nec	DUITH.	Will Describe and Describe and the second	Station category: Industrial
ero	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from:	Stations Concident Assessment
19	Sample Received Date:	22.09.2022				

TEST RESULTS

S. No.	Parameters	<u>Unit (S1)</u>		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
NAME .		μg /m³	0	675	-5000	IS 5182(Part 10): 1999
10	00		1	2.78	200	APHA 23 rd Edition 4500 CI-C
2.	HCL	µg /m²	3	The second second	7,072	IS 5182(Part 21): 2001
3	Hydrocarbon(HC) NMHC	pg/m³	1	N.D.	160	The second secon
7	100	μg /m³	4	N.D.	60	15 5182 (Part 13): 1991
4,	HF		101	ALC PS	2000	IS 5182 (Part 20): 1982
5.	CS ₂	jug /m³	3	N.D.	2000	In start to act and

Remark: N.D. - Not Detected. Authorized By -

Name: Bhavisha Pantiya

Designation: Sr. Chemist

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The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT Issue No.: 02 Revision	
	No.: 03
DOC. NO.: LAB-FMT-051 Issue No.: 02 Effective Date: .01.03.2021 Issue Date: .01-01-2015 Revision Date	01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/35

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot	M/s. Grasim Ind No 1,GIDC Vilay	ustries Ltd.,- C at Industrial E	nemic state, B	Sharuch,PO-Villayat Talluka	Vagra.Gujarat.Pin code	
		ole ID: 2252908246 - 139SE22AQ03			Client Representative: Mr. Vikas Valand		
	27.44.4400			5.	Sampling Location: Nr.Main Gate		
	Sampling time: 11:30 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 22,09,2022			9.	Analysis Completed on: 22.09.2022		
100	Reporting Date: 01.10.2022			11.			
12.	Sample Collected By: Mr. Vimal			13,	Group: Atmospheric Pollution Product: Ambient Air		
14.	Campling Properture: 15 M	Sampling Procedure: 25 Method					
30.15	and the second s	Sampling I	Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
16.		Temp: Normal	Humidity: Mes		Wind speed: Smooth	Cloud cover: Clear sky	
17.	The second of th	Wind Direction:	10000 10000 00000	10001	Wind blowing from: -	Station category: Industrial	
	Rain: No Rain	Market Control of the	DOMIT HING		The state of the s	The state of the s	
18.	Sample Received Date: 22.09.2022						

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
-	1227	ug /m³	30	893	5000	IS 5182(Part 10): 1999
4	co	ug /m³		1.71	200	APHA 23 rd Edition 4500 CFC
2	HCL		1.5			1S 5182(Part 21): 2001
3.	Hydrocarbon(HC) NMHC	hd /m3	(2)	N.D.	160	The second secon
4.	HE	un /m³	4.	N.D.	60	IS 5182 (Part 13): 1991
5	CS ₂	ug /m³	4	N.D.	2000	IS 5182 (Part 20): 1982

Remark: N.D. - Not Detected.

Authorized By -

Name: Bhavisha Pandya

NOTE:

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. ----END OF REPORT----

TEST REPORT FORMAT - AMBIENT Revision No.: 03 Issue No.: 02 DOC. NO.: LAB-FHT-051 Revision Date: 01.03.2021 Issue Date: 01-01-2015 Effective Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: SEP22/139/36

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot 392140.	M/s. Grasim Ind t No 1,GIDC Vilay	fustries Ltd.,- C yat Industrial E	chemic state,E	al Division. Bharuch,PO-Villayat Taluka	-Vagra.Gujarat.Pin code-	
2.	Sample ID: 2252908246 - 139SE22AQ04			3.	Client Representative: Mr. Vikas Valand		
4.	Sampling Date: 21.09.2022			5.	Sampling Location: Nr. Marketing Yard		
6.	Sampling time: 12:00 hr			7.	Sampling Duration: 24 Hrs		
8.	Analysis commenced on: 22.09.2022			9.	Analysis Completed on: 22.09.2022		
10.				11.	Discipline: Chemical		
12.				13.	Group: Atmospheric Pollution		
14.				15.	Product: Ambient Air		
16.	Description of Sample:	1000 A 100 A 1	Bottles: Sealed	V	Filter Paper: Packed √	Bladder: Clamped √	
17.	1000	Temp: Normal	Humidity: Med	dium	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain	Wind Direction:	Down wind		Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date:	22.09,2022					

TEST RESULTS

S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	co	μg /m³	:	790	5000	IS 5182(Part 10): 1999
2.	HCL	μg/m²	3	1.93	200	APHA 23 rd Edition 4500 CI-C
3.	Hydrocarbon(HC) NMHC	μg /m ³	:	N.D.	160	IS 5182(Part 21): 2001
4.	HF	jug /m³		N.D.	60	IS 5182 (Part 13): 1991
5.	CS ₂	pg /m²	:	N.D.	2000	15 5182 (Part 20): 1982

Remark: N.D. - Not Detected.

Authorized By -

Name: Bhavisha Pandya

Designation: Sr. Chemist

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The results reported above relate to the sample identified under Sample Details:

END OF REPORT

	TEST REPORT FORMAT - AMBIEN	NT.
DOC. NO.: LAB-FMT-051	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: SEP22/139/43

SAMPLE DETAILS Name & Address of Client: M/s. Grasim Industries Ltd., - Chemical Division, "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Estate, Bharuch, PO-Villayat Taluka-Vagra. Gujarat. 1. Pincode-392140. Client Representative: Mr. Vikas Valand Sample ID: 2252908246 - 139SE22HW01 2. Sampling location: Brine Sludge 5. Sample Date: 20.09,2022 4. Analysis Completed on: 01,10,2022 7. Analysis commenced on: 30.09.2022 6. Sample Collected By: Mr. Vimal 9 Reporting Date: 01.10.2022 8. Disopline: Chemical 11. Physical Status: Solid 10. Group: Pollution and Environment 13. Sample Category: -12. Product: Solid Waste 15. Colour: Brown 14 Description of sample: Packed and scaled in polythene bags. V 16. Sample Received Date: 01.09.2022 17.

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
	W.		7.26	N.A.	APHA 23rd Edition 4500-H* B
1.	pH	% :	33.99	N.A.	APHA 23 rd Edition 2540 C
2,	% Moisture Contents		3.84	N.A.	APHA 23rd Edition 5220 B
3	COD	gm/kg :	N.D.	N.A.	APHA: 23rd Edition 4500 CN E
4.	Cyanide	gm/kg	110000	N.A.	APHA 23rd Edition 3500 Cr - B
5.	Chromium	gm/kg	<0.0002	N.A.	APHA 23rd Edition 3111 B
6.	Copper	gm/kg :	<0.0006		APHA 23rd Edition 3111 B
7.	Lead	gm/kg	<0.0004	N.A.	APHA 23 ^{ed} Edition 3111 B
8.	Nickel	gm/kg	<0.0004	N.A.	
9.	Zinc	gm/kg	< 0.0006	N.A.	APHA 23 rd Edition 3111 B
10.	Total Inorganic Solids	%	17.52	N.A.	APHA 23 ^{tol} Edition 2540 C
100000	Total Alkalinity as CaCo3	gm/kg	3,8	N.A.	APHA 23 st Edition 2320 B
11.	Phosphate	gm/kg	N.D.	N.A.	APHA 23 ^{rt} Edition 4500 P - C

Remark: 5 % leachate solution prepared in DM Water W/v. / N.D. - Not Detected.

Authorised By -Name : Bhavisha Pandya

Designation : Sr.Chemist

NOTE:

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Re analysis of sample will be done, if required within 7 days from the date of Reporting of sample if the samples and not opposite the date of reporting of sample will be done. during analysis

The results reported above relate to the sample identified under Sample Details.

END OF REPORT

	TEST REPORT FORMAT - SOLID WAST	E
THE SECOND SECOND	Issue No.: 02	Revision No.: 03
DOC. NO.: LAB-FMT-053	The state of the s	Revision Date: 01.03.2021
Effective Date: . 01:03:2021	Issue Date: 01-01-2015	Pác

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - SOLID WASTE

REPORT NO.: SEP22/139/44

SAMPLE DETAILS

			DETRIES
1.	Name & Address of Client: M/s. Grasim Indu "Caustic Plant-Vilayat" Plot No 1,GIDC Vilaya Pincode:392140.	stries Li t Indus	trial Estate, Bharuch, PC-Villayat Taluka-Vagra. Gujarat.
2.	Sample ID: 2252908246 - 1395E22HW02	3.	Client Representative: Mr. Vlkas Valand
4.	Sample Date: 20.09.2022	5.	Sampling location: Phosphoric Acid
6.	Analysis commenced on: 30,09,2022	7.	Analysis Completed on: 01.10.2022
8.	Reporting Date: 01.10.2022	9,	Sample Collected By: Mr. Vimal
10.	Physical Status: Solid	11.	Discipline: Chemical
12.	Sample Category: -	13.	Group: Pollution and Environment
14.	Colour: Grey	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in	polythe	ene bags, v
17.	Sample Received Date: 01.09.2022		1-V000(018

TEST RESULTS

S.No.	Parameters .	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH	:	6.81	N.A.	APHA 23 rd Edition 4500-H ⁺ B
2.	% Moisture Contents	% =	36.50	N.A.	APHA 23rd Edition 2540 C
3.	COD	gm/kg	4.78	N.A.	APHA 23" Edition 5220 B
4.	Cyanide	gm/kg :	N.D.	N.A.	APHA: 23rd Edition 4500 CN E
	Chromium	gm/kg :	< 0.0002	N.A.	APHA 23rd Edition 3500 Cr - B
5.	0.000000	gm/kg	<0.0006	N.A.	APHA 23rd Edition 3111 B
6.	Copper	gm/kg	<0.0004	N.A.	APHA 23rd Edition 3111 B
7,	Lead	gm/kg ;	<0.0004	N.A.	APHA 23rd Edition 3111 B
8.	Nickel	gm/kg :	<0.0006	N.A.	APHA 23 rd Edition 3111 B
9.	Zinc	% :	18.8	N.A.	APHA 23 rd Edition 2540 C
10.	Total Inorganic Solids	-	3.2	N.A.	APHA 23rd Edition 2320 B
11.	Total Alkalinity as CaCo3	gm/kg =	0.30	N.A.	APHA 23rd Edition 4500 P - C
12.	Phosphate	griding			

Remark: 5 % leachage solution prepared in DM Water W/v. / N.D. - Not Detacted.

Authorised 8v - ...

Authorised 8y -

Name : Bhavisha Papdya NOTE

Designation : Sr.Chemist

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The results reported above relate to the sample identified under Sample Di-taris. 33

-----END OF REPORT----

	TEST REPORT FORMAT - SOLID WAST	E
DOC: NO.: LAB-FMT-053	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - NOISE

REPORT NO.: SEP22/139/45(ULR-TC709922000018283F)

SAMPLE DETAILS

2 Applied Completed on All	agra, Gujarat.
 Sampling Date: 20.09.2022 Sample Collected By: Mr. V. 	A CONTRACTOR OF THE PARTY OF TH
2 Applied Completed on: 20	
h hittings commissions on account	09.2022
a Reporting Date: 01.10.2022 9. Sampling Location:	
10. Discipline: Chemical 13. Sample Received Date : 20.	.09,2022
11. Group: Atmospheric Pollution	
12. Product: Ambient Noise Levels	

TEST RESULTS

935		1	Day	N	ight	-
S. No.	Location	Time	Reading dB(A)	Time	Reading dB(A)	Method
1.	Nr. Main Gate	12:10 hr	51.3	23:00 hr	48.6	IS 9989: 1981
2.	Nr. ALCP Plant	11:30 hr	54.3	23:15 hr	51.4	IS 9989: 1981
3.	Nr.PAC Plant	13:00 hr	64.3	23:30 hr	62.1	IS 9989: 1981
4.	Nr.CL ₂ Area	12;10 hr	54.2	23:45 hr	52.7	IS 9989: 1981
5.	Nr.ETP	12:20 hr	57.3	24:00 hr	55.2	15 9989: 1981
6.	Near Coal Tippler	12:15 hr	52.4	24:15 hr	50.1	15 9989: 1981
7.	Fiber Main Gate	12:50 hr	49.8	24:30 hr	46.5	15 9989: 1981
8.	Fiber Material Gate	12:40 hr	52.3	01:00 hr	50.4	IS 9989: 1981

Remark:

Authorized By -

Name: Bhavisha Pandya

Designation: Sr.Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - NOISE	
BOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 02
Effective Date: 01.07.2020	Issue Date: 01-05-2015	Revision Date: 01.07.2020





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/01 (ULR-TC709922000018265F)

SAMPLE DETAILS

1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code 392140.	ot No 1,GIDC Vila	yat :	Industrial Es	tate,Bharuch,PO-Villa	yat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246	- 139SE22SE01		mple ID: 2252908246 - 139SE22SE01 3. Client Representative: Mr.Vi				
4.	Sample Date: 21.09.202	No Colonia Transportation of the Colonia Colon			Sampling Location: Caldium Chloride Plant			
6.	Sampling Time: 14:30 hr	The state of the s			Sampling Duration: 30 Mins			
8.	Analysis commenced on:		18	9. Analys	Analysis Completed on : 22.09.2022			
10.	Reporting Date: 01.10.2		13	11. Discip	ine: Chemical			
12.	Sample Collected By: Mr		13	13. Group	: Atmospheric Pollutio	on		
14.	Sampling Procedure: IS	Method	183	15. Produ	ct: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed	Thimble:Packed √	Bladder: Clamped		
17.	Sample Received Date:	22.09.2022	34					
2/-	Sample Received Builds	2	STA	ACK DETAIL	S			
S.No.	Parameters	Unit (SI)			Descri	ption		
1.	Source		1	Calcium Ch	loride Plant			
2.	Height	m	1	9				
3.	Diameter	mm	1 :					
4.	Temperature	°C	1	73				
5.	Velocity	m/s	1	5.9				
6.	Type of fuel used		1	N.A.				
7.	Quantity of fuel used		10	N.A.				
S. No.	Parameters Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
	Particulate Matter	mg/Nm³	1:	19	150	IS 11255 (Part 1): 1985		

Remark:

Authorized By - \

Name: Bhavisha Pandya

Designation : Sr. Chemist

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.END OF REPORT----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
DOC. NO.: 040-1741-032	Issue Date: 01-01-2015	Revision Date: 01.03 2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/07 (ULR-TC709922000018271F)

SAMPLE DETAILS

	the second secon		-	IPLE DETAL	April 100 Control Cont	
1.	Name & Address of Client "Caustic Plant-Vilayat" Pio Pin code-392140.	M/s. Grasim In No 1,GIDC Vila	dus yat	Industrial Es	tate,Bharuch,PO-Villay	
2.	Sample ID: 2252908246 -	139SE22SE07		3. Client	Representative: Mr.Vil	cas Valand
4.	Sample Date: 21.09.2022		L	5. Sampl	ing Location: Chlorinate	ed Paraffin Plant
6.	Sampling Time: 12:00 hr			The second secon	ing Duration: 10 Mins	AUG 10000 10000
8.	Analysis commenced on: 3	2.09.2022		9. Analys	is Completed on : 22.	09.2022
10.	Reporting Date: 01.10.202	22		Discip	ine: Chemical	
12.	Sample Collected By: Mr.	Vimal	_	AND THE PARTY OF T	: Atmospheric Pollution	n
14.	Sampling Procedure: IS M	ethod	L	15. Produc	tt: Stack Emission	The second second second
16.	Description of Sample:	Sampling Bottle	s: S	ealed V	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date: 2				-	
			ST	ACK DETAIL	<u>.S</u>	
S.No.	Parameters	Unit (SI)		Description		
1.	Source	7	12	Chlorinated	Paraffin Plant	
2.	Height	m		: 35		
3.	Diameter	mm		350		
4.	Temperature	°c	3	36		
5.	Velocity	m/s	3			
6.	Type of fuel used		1	N.A		
7.	Quantity of fuel used		:	N.A	46-	
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	O ₂	mg/Nm³	:	0.793	9	LAB-SCP-104
Rema			-	IV.	V0	
Autho	orized By - W.					
Name	: Bhavisha Pandya	00-00-00-00-00-00-00-00-00-00-00-00-00-		Designa	ation : Sr. Chemist	

Name : Bhavisha Pandya NOTE:

 Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. ----END OF REPORT-

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 83
Effective Date: 01 03 2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/08 (ULR-TC709922000018272F)

SAMPLE DETAILS

1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl						at Taluka-Vagra.Gujarat.
	Pin code-392140.	Market - 100 (100 (100 (100 (100 (100 (100 (10	1	NOS-11912	0.000	Ossolation of the Computation and Edit	
2.	Sample ID: 2252908246	- 139SE22SE08		3.	-	Representative: Mr.Vik	CAT COMPANY AND A STORY OF THE
4.	Sample Date: 20.09,2022			5.		ng Location; Sodium H	łypo Stack - 1
6.	Sampling Time: 12:10 hr			7.		ng Duration: 10 Mins	
8.	Analysis commenced on: 22.09.2022			9.		is Completed on: 22.0	9.2022
10.	Reporting Date: 01.10.2022			11.	Discipli	ine: Chemical	
12.	Sample Collected By: Mr. Vimal			13.	Committee of the Control of the party	Atmospheric Pollution	1
14.	Sampling Procedure: IS Method			15.	Produc	t: Stack Emission	
16.	Description of Sample:	Sampling Bottle	s: S	caled	1	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date:					-//	
	(Åe s		ST	ACK	DETAIL	<u>s</u>	
S.No.	Parameters	Unit (SI)		Description			tion
1.	Source		4	Sodium Hypo Stack - 1			
2.	Height	m		35	200110110100	0000000/AUTO-A	
3.	Diameter	mm	35	450			
4.	Temperature	°c	1	34			
5.	Velocity	m/s	1				
6.	Type of fuel used		: ‡	N.A			
7.	Quantity of fuel used		12	N.A			W. T. S.
S. No.	Parameters	Unit (SI)		Е	tesults	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	O ₂	mg/Nm³	×		1.774	9	LAB-SOP-104
Rema	ork:	11 18 1	10)10	Will be a second of the second
Autho	orized By -			750			
-	Name : Bhavisha Pandya				Designation : Sr. Chemist		

NOTE:

1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC, NO.: LAB-FMT-052	1ss.e No.: 02	Revision No.: 03
ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/09 (ULR- TC709922000018273F)

1.	Name & Address of Clien	t: M/s. Grasim Inc	dust	tries Ltd.,- O	hemical Division.	AVX 1			
5520 11 19	"Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vila	yat	TIAM TO THE TOTAL STREET					
2.	Sample ID: 2252908246	- 139SE22SE09			 Client Representative: Mr. Vikas Valand 				
4.	Sample Date: 20.09.2022				ing Location: Sodium H	typo Stack - 2			
	Sampling Time: 12:15 hr				ing Duration: 10 Mins	20			
	Analysis commenced on: 22.09.2022			9. Analys	is Completed on : 22.0	39.2022			
	Reporting Date: 01.10,2022			11. Discipi	ine: Chemical				
	Sample Collected By: Mr. Vimal			Group	: Atmospheric Pollution	1			
	Sampling Procedure: IS				ct: Stack Emission	V.			
16.	Description of Sample:	Sampling Bottle	s: S	ealed v	Thimble:Packed	Bladder: Clamped			
-	Sample Received Date: 2	22.09.2022				The left with a diversion to left.			
-			ST	ACK DETAIL	LS				
S.No.	Parameters	Unit (SI)		Description					
1.	Source		0	Sodium Hypo Stack – 2					
2.	Height	m	1	35					
3.	Diameter	mm	1	450					
4.	Temperature	°c	7	36					
5.	Velocity	m/s	1						
6.	Type of fuel used		1	N.A					
7.	Quantity of fuel used		1	N.A					
S. No.	<u>Parameters</u>	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
	COMP 6	mg/Nm ³	12	1.598	9	LAB-SOP-104			
1.	Cl ₂	Highwan	1.0	*****	1,151				

Name: Bhavisha Pandya

Designation : Sr. Chemist

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	TEST REPORT FORMAT - STACK	
OC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
fartiva Date: 01 03 2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/10 (ULR-TC709922000018274F)

SAMPLE DETAILS

1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl	t: M/s. Grasim In	dus	tries Ltd., - (Chemical Division.	vat Taluka-Vagra.Gujarat	
	Pin code-392140.	octio ajoloo viio	4000			Will St.	
2.	Sample ID: 2252908246	- 139SE22SE10		Clien	Client Representative: Mr.Vikas Valand		
4.	Sample Date: 20.09.2022	2		5. Samp	oling Location: Aluminiu	m Chloride Plant	
5.	Sampling Time: 14:00 hr			And in case of the last of the	oling Duration: 10 Mins		
8.	Analysis commenced on: 22.09.2022			9. Analy	sis Completed on: 22.0	09.2022	
10.	Reporting Date: 01.10.2022			11. Disci	pline: Chemical		
12.	Sample Collected By: Mr, Vimal			THE RESERVE AND PARTY AND PROPERTY.	p: Atmospheric Pollution	1	
14.	Sampling Procedure: IS Method			Prod	uct: Stack Emission	TES OF THE STATE O	
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	22.09.2022					
			ST	ACK DETA	ILS		
S.No.	Parameters	Unit (SI)		Description			
1.	Source		:	Aluminium Chloride Plant			
2.	Height	m	4	35			
3.	Diameter	mm	13	350			
4.	Temperature	°C		34			
5,	Velocity	m/s	1	9			
6.	Type of fuel used		2	N.A			
7.	Quantity of fuel used		:	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Uscd	
1.	Cl ₂	mg/Nm³	(3)	0.591	9	LAB-SOP-104	
Rema	rk: A.J	**	-		-= 1/1		
Autho	orized By -			TW-			
Name	: Bhavisha Pandya			Design	Designation : Sr. Chemist		

NOTE:

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01,03,2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/11 (ULR-TC709922000018275F)

SAMPLE DETAILS

-	*		-	IPLE DETAIL	ayes.	
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vila	ous iyat	Industrial Es	tate,Bharuch,PO-Villay	vat Taluka-Vagra.Gujarat
2.	Sample ID: 2252908246	- 139SE22SE11		3. Client	Representative: Mr.Vik	cas Valand
4.	Sample Date: 20.09.2022	mple Date: 20.09.2022		5. Sampli	ng Location: Stable Bl	eaching Powder Plant
6.	Sampling Time: 15:00 hr			7. Sampli	ng Duration: 10 Mins	
8.	Analysis commenced on: 22.09.2022			Analys	is Completed on: 22.0	09.2022
10.	Reporting Date: 01.10.2022			Disciple	ine: Chemical	
12.	Sample Collected By: Mr.	. Vimal		And of configuration frequency and services and services and services and services are serviced as the services and services are serviced as the services are services are services as the services are serv	Atmospheric Pollution	1
14.	Sampling Procedure: IS Method 1			Produc	t: Stack Emission	
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date:					
			ST	ACK DETAIL	<u>s</u>	
S.No.	Parameters	Unit (SI)		Description		
1.	Source		33	Stable Bleaching Powder Plant		
2.	Height	m	1	35	35	
3.	Diameter	mm	:	200		
4.	Temperature	°c	1	36		
5.	Velocity	m/s	1	-		
6.	Type of fuel used	170	3	N.A		
7.	Quantity of fuel used			N.A	-0/3	
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Ci ₂	mg/Nm³		0.463	9	LAB-SOP-104
Rema	rk: 6.40.		1	W_	<i>*</i>	
Autho	orized By -					
Name	: Bhavisha Pandya	A1 - 3V-89 - 111 - 1		Designa	tion : Sr. Chemist	

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/12 (ULR-TC709922000018276F)

SAMPLE DETAILS

		-	X-201001 100 X 100 X 100 X 100 X				
					yat Taluka-Vagra.Gujarat.		
Sample ID: 2252908246	- 139SE22SE12		3. Client	Client Representative; Mr. Vikas Valand			
Sample Date: 20.09,2022			2 24 1 U PARCO COOK-	Sampling Location: Poly Aluminium Chloride Plant (Old Powder Plant)			
Sampling Time: 12:40 hr			7. Sampl	ing Duration: 10 Mins			
Analysis commenced on: 22.09.2022			9. Analys	is Completed on: 22.	09.2022		
Reporting Date: 01.10.2022			11. Discipl	ine: Chemical	81021803		
Sample Collected By: Mr	. Vimal		13. Group	: Atmospheric Pollution	1		
Sampling Procedure: IS	Method		Product: Stack Emission				
Description of Sample:	Sampling Bottles	s: S	Sealed √ Thimble: Packed Bladder: Cla		Bladder: Clamped		
Sample Received Date: 2	22.09.2022	10:	ACCUMATION:	17-3859 00000000 F.S-C	Co. Generaliza - Incorpora		
		ST	ACK DETAIL	<u>.s</u>			
Parameters	Unit (SI)			Description			
Source		9	Poly Alumir	Poly Aluminium Chloride Plant (Old Powder Plan			
Height	m	3	35	315157746913714651-461197146	- SULPHANNESS FIREWAY FIRE		
Diameter	mm	3	350				
Temperature	°c	:	34				
Velocity	m/s	1	-		-2-TH		
Type of fuel used		3	N.A				
Quantity of fuel used		3	N.A				
Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
Cl ₂	mg/Nm ³		0.536	9	LAB-SOP-104		
rk: Man							
rized By -			20				
	"Caustic Plant-Vilayat" P Pin code-392140. Sample ID: 2252908246 Sample Date: 20.09,202 Sampling Time: 12:40 h Analysis commenced on Reporting Date: 01.10.2 Sample Collected By: Mr Sampling Procedure: IS Description of Sample: Sample Received Date: 3 Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters Cl2 k:	Name & Address of Client: M/s. Grasim In "Caustic Plant-Vilayat" Plot No 1,GIDC Vila Pin code-392140. Sample ID: 2252908246 – 139SE22SE12 Sample Date: 20.09,2022 Sampling Time: 12:40 hr Analysis commenced on: 22.09,2022 Reporting Date: 01.10.2022 Sample Collected By: Mr. Vimal Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 22.09,2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used Quantity of fuel used Parameters Unit (SI) Cl2 mg/Nm³ *k:	Name & Address of Client: M/s. Grasim Indus "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Pin code-392140. Sample ID: 2252908246 - 139SE22SE12 Sample Date: 20.09,2022 Sampling Time: 12:40 hr Analysis commenced on: 22.09,2022 Reporting Date: 01.10,2022 Sample Collected By: Mr. Vimal Sampling Procedure: IS Method Description of Sample: Sampling Bottles: Sample Received Date: 22.09,2022 ST. Parameters Unit (SI) Source : Height m : Diameter mm : Temperature °c : Velocity m/s : Type of fuel used : Quantity of fuel used : Parameters Unit (SI) Cl2 mg/Nm³ :	Name & Address of Client: M/s. Grasim Industries Ltd., - C "Caustic Plant-Vilayat" Plot No 1,GIDC Vilayat Industrial Es Pin code-392140. Sample ID: 2252908246 - 139SE22SE12 3. Client Sample Date: 20.09,2022 5. Sample (Old Pc Sampling Time: 12:40 hr 7. Sample Analysis commenced on: 22.09.2022 9. Analys Reporting Date: 01.10.2022 11. Discipl Sample Collected By: Mr. Vimal 13. Group. Sampling Procedure: IS Method 15. Product Description of Sample: Sampling Bottles: Sealed √ Sample Received Date: 22.09.2022 STACK DETAIL Parameters Unit (SI) Source ; Poly Alumin Height m : 35 Diameter mm : 350 Temperature °c ; 34 Velocity m/s : - Type of fuel used ; N.A Parameters Unit (SI) Results Cl₂ mg/Nm³ : 0.536 k : Oso	Sample ID: 2252908246 - 139SE22SE12 3. Client Representative; Mr.Vii Sample Date: 20.09,2022 5. Sampling Location: Poly Alum (Old Powder Plant) Sampling Time: 12:40 hr 7. Sampling Duration: 10 Mins Analysis commenced on: 22.09,2022 9. Analysis Completed on: 22. Reporting Date: 01.10,2022 11. Discipline: Chemical Sample Collected By: Mr. Vimal 13. Group: Atmospheric Pollution Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed √ Thimble: Packed Sample Received Date: 22.09,2022 STACK DETAILS Parameters Unit (SI) Descript Source : Poly Aluminium Chloride Plant (Clean Plant (Cle		

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The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03,2021	Tssue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/13 (ULR- TC709922000018277F)

SAMPLE DETAILS

1 = 2			-	IPLE DETAL	The state of the s			
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140,	t: M/s. Grasim In ot No 1,GIDC Vila	dus yat	tries Ltd.,- Ci Industrial Es	nemical Division. tate,Bharuch,PO-Villay	at Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246	- 139SE22SE13		3. Client	Client Representative: Mr.Vikas Valand			
4.	Sample Date: 20.09.2022	A STATE OF THE STA			Sampling Location: Poly Aluminium Chloride Plant (Ne Powder Plant)			
6.	Sampling Time: 13:30 hr			7. Sampli	ng Duration: 10 Mins			
8.	Analysis commenced on: 22,09,2022			9. Analys	is Completed on: 22.0	9.2022		
10.	Reporting Date: 01.10.2022			11. Discipl	ine: Chemical	HP4012700V		
12.	Sample Collected By: Mr.	Vimal	-1	13. Group	: Atmospheric Pollution			
14.	Sampling Procedure: IS			15. Produc	t: Stack Emission	V		
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 2			-010-00000	2000 V. 2000 292 COURS SASSESSES	III/AUGURAVEN EGROVANA		
0.00			ST	ACK DETAIL	S			
S.No.	<u>Parameters</u>	Unit (SI)			Description			
1.	Source		3	Poly Aluminium Chloride Plant (New Powder Pl		(New Powder Plant)		
2.	Height	m	1	35	35			
3.	Diameter	mm	:	350	350			
4.	Temperature	"c	1:	34				
5.	Velocity	m/s	1	-				
6.	Type of fuel used	110000		N.A				
7.	Quantity of fuel used		1	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	Clz	mg/Nm ³		0.690	9	LAB-SOP-104		
Rema	rk:	- W						
Autho	orized By -							
to the same of the	- Physiche Dandes			Decions	tion : Sr Chamist			

Name: Bhavisha Pandya

Designation : Sr. Chemist

) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.

 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

	TEST REPORT FORMAT - STACK	
DOC: NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/14 (ULR-TC709922000018278F)

		5	SAN	1PLE DET	TAILS	3		
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.						at Taluka-Vagra,Gujarat.	
2.	Sample ID: 2252908246	- 139SE22SE14		3. Clie	Client Representative: Mr. Vikas Valand			
4.	Sample Date: 20.09.202	ole Date: 20.09,2022			 Sampling Location: Poly Aluminium Chloride Plant (Liqui Plant) 			
6.	Sampling Time: 12:45 hr			7. Sar	mpling	Duration: 10 Mins		
8.	Analysis commenced on: 22.09.2022			9. Ana	alysis	Completed on: 22.0	9.2022	
10.	Reporting Date: 01.10,2022			11. Dis	Discipline: Chemical			
12.	Sample Collected By: Mr	r. Vimal	13. Gro	Group: Atmospheric Pollution				
14.	Sampling Procedure: IS	Method	15. Pro	Product: Stack Emission				
16.	Description of Sample:	Sampling Bottle	s: 5	Sealed √		Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	22.09.2022				TO BE WEIGHT SERVICE	1141/30/00/00/411 D-00/444-00/60	
CONTO		10 march 10	ST	ACK DET	AILS			
S.No.	Parameters	Unit (SI)				Descript	tion	
1.	Source		:	Poly Alu	umini	um Chloride Plant	(Liquid Plant)	
2.	Height	m	2	35	NOT PROVIDE	THE PERSON WAS TRANSPORTED WITH	RIPLA MASTICIPE TITOLOGIST	
3.	Diameter	mm	1	350	350			
4.	Temperature	°c	:	34				
5.	Velocity	m/s	1	2				
6.	Type of fuel used	10.000	12	N.A				
7.	Quantity of fuel used		*	N.A				
<u>5.</u> <u>No.</u>	Parameters	Unit (SI)		Result	ts	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Clz	mg/Nm ³	:	1.018	3	9	LAB-SOP-104	
Rema	rk: (w)							
Autho	rized By -			- CV.				
-	: Bhavisha Pandya			Desig	gnatio	on : Sr. Chemist		
		THE STATE OF THE PARTY OF THE P	100				All the State of t	

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Relanalysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details: -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Fective Date: . 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/15

SAMPLE DETAILS

			-	IPLL D	September 1987	ID.	
1.	Name & Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.	: M/s. Grasim Inc t No 1,GIDC Vila	dust yat	Industr	nal Esta	ste, Bharuch, PO-Villa	yat Taluka-Vagra.Gujarat.
2.		Sample ID: 2252908246 - 139SE22SE15					
4.	Sample Date: 20.09.2022				Sampling Location: HCL Stack - 1		
6.	Sampling Time: 11:30 hr						
8.	Analysis commenced on: 22.09.2022				Analysis Completed on: 22.09.2022		
10.	Reporting Date: 01.10.2022		18		. Discipline: Chemical		
12.	Sample Collected By: Mr. Vimal				Group: Atmospheric Pollution		
14.	Sampling Procedure: IS N	Method	15.		Product	: Stack Emission	Parameter and the second secon
16.	Description of Sample:	Sampling Bottle	s: S	Sealed v	/	Thimble:Packedv	Bladder: Clamped
17.	Sample Received Date: 2	2.09.2022		ACK D	3000000	<u> </u>	
S.No.	Parameters	Unit (SI)				<u>Descri</u>	ption
1.	Source		1	HCL S	tack -	1	
2.	Height	rin	1	35			
3.	Diameter	mm	:	150			
4	Temperature	°c	1	32	32		
5.	Velocity	m/s	1.				
6.	Type of fuel used	100000	1	N.A			
7.	Quantity of fuel used		1	N.A			
S. No.	Parameters	Unit (SI)		Res	aults	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	HCL	mg/Nm³	1	10	.52	35	APHA 23 rd Edition: 4500 - Cl (
Rema	ark:		SADA			WT - I	
-	orized By -			100			
				D.	ocians	tion · Sr Chemist	ē.

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. 3)

--- END OF REPORT---

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/16

SAMPLE DETAILS

			SUL.	IF LL DE INA	100			
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.	t: M/s. Grasim In ot No 1,GIDC Vila	dus yat	tries Ltd.,- Ch Industrial Est	emical Division. tate,Bharuch,PO-Villa	ayat Taluka-Vagra.Gujarat.		
2	Sample ID: 2252908246	- 139SE225E16	18	 Client Representative: Mr. Vikas Valand 				
4.	Sample Date: 20.09.2022			5. Sampli	5. Sampling Location: HCL Stack - 2			
6.	Sampling Time: 11:35 hr			The second second second second	7. Sampling Duration: 10 Mins			
8.	Analysis commenced on: 22.09.2022				s Completed on: 22	.09.2022		
10.	Reporting Date: 01.10.2022			Discipli	ne: Chemical			
12.	Sample Collected By: Mr. Vimal			The second secon	Atmospheric Pollution	on		
14.	Sampling Procedure: IS I	Method		Produc	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed√	Blacider: Clamped		
17.	Sample Received Date:	22.09.2022	-	40000000000000				
			ST	ACK DETAIL	<u>s</u>			
S.No.	Parameters	Unit (SI)			Descri	ption		
1.	Source		4	HCL Stack -	- 2			
2.	Height	m	:	35	35			
3.	Diameter	mm		150				
4.	Temperature	°c	:	32	32			
5.	Velocity	m/s						
6.	Type of fuel used	7 - W/1 -	1:	N.A				
7.	Quantity of fuel used		:	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1,	HCL	mg/Nm³	2	12.62	35	APHA 23 rd Edition: 4500 - Cl C		
Rema	irk:							
Autho	orized By -							
Name	: Bhavisha Pandya		ny may	Designa	tion : Sr. Chemist			
the second property like	The state of the s		100	The second secon	The state of the s	CONTRACTOR DESCRIPTION		

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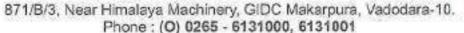
 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

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Consider and the constant of t	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/17

SAMPLE DETAILS

			-	APLE DET	A PARAMETER AND A PARAMETER AN		
1.	Name & Address of Client "Caustic Plant-Vilayat" Pio Pin code-392140.					layat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246 - 139SE22SE17			3. Clie	. Client Representative: Mr.Vikas Valand		
4.	Sample Date: 20.09.2022			S. San			
6.	Sampling Time: 12:40 hr			7. San	pling Duration: 10 Mir	15	
8.	Analysis commenced on: 22.09.2022			9. Ana	lysis Completed on: 2	2.09.2022	
10.	Reporting Date: 01.10.2022			11. Disc	. Discipline: Chemical		
12.	Sample Collected By: Mr.	Vimal		13. Gro	up: Atmospheric Pollut	ion	
14.	Sampling Procedure: IS Method			15. Pro	duct: Stack Emission	LV.	
16.	Description of Sample:	Sampling Bottle	5: 5	iealed V	Thimble:Packed y	/ Bladder: Clamped	
17.	Sample Received Date: 2				AAAAA		
			ST	ACK DETA	AILS		
S.No.	Parameters	Unit (SI)			Descr	iption	
1.	Source		ŧ	HCL Stac	k - 3		
2.	Height	m	8	35	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
3.	Diameter	mm	2	150			
4.	Temperature	°c	:	30	30		
5,	Velocity	m/s	2	III			
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		3	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
ĩ.	на.	mg/Nm ⁵		11.50	35	APHA 23 rd Edition: 4500 · Cl C	
Rema	rk:	10/1		-		:0	
Autho	rized By			-14			

Name : Bhavisha Pandya

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 2 days from the date of Reporting of sample if the samples are not consumed during analysis.

TEST REPORT FORMAT - STACK				
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03		
Effective Date: 01,03,2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021		

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/18

SAMPLE DETAILS

			_	IPLE DETAI	The state of the s		
1.	Name & Address of Clier "Caustic Plant-Vilayat" Pl Pin code-392140.	it: M/s. Grasim In ot No 1,GIDC Vila	dus	tries Ltd.,- C Industrial Es	nemical Division. tate,Bharuch,PO-Villa	yat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	Sample ID: 2252908246 - 139SE22SE18		Client	Client Representative: Mr.Vikas Valand		
4.	Sample Date: 20:09.2022			5. Sampl	5. Sampling Location: HCL Stack - 4		
6.	Sampling Time: 12:05 hr			7. Sampl	7. Sampling Duration: 10 Mins		
8.	Analysis commenced on: 22.09.2022			9. Analys	is Completed on: 22	.09.2022	
10.	Reporting Date: 01.10.2022			11. Discip	L. Discipline: Chemical		
12.	Sample Collected By: Mr. Vimal			13. Group	: Atmospheric Pollutio	n	
14.	Sampling Procedure: IS Method 15			15. Produ	t: Stack Emission		
16.	Description of Sample:	Sampling Bottle	s: S	iealed √	Thimble:Packed √	Bladder: Clamped	
17.	Sample Received Date: 2						
			ST	ACK DETAIL	<u>.s</u>		
S.No.	<u>Parameters</u>	Unit (SI)			Descrip	<u>ption</u>	
1.	Source		1	HCL Stack	4		
2.	Height	m	1	35	35		
3.	Diameter	mm	1:	150	150		
4.	Temperature	°c	1	34	34		
5.	Velocity	m/s	1	-			
6.	Type of fuel used		1:	N.A			
7.	Quantity of fuel used		1	N.A	t		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL	mg/Nm³	:	10.06	35	APHA 23rd Edition: 4500 - CI C	
Rema	erk: dow.		17.			1.5	
Autho	orized By -			- 1			
Name	: Bhavisha Pandya			Designa	tion : Sr. Chemist	responsive to the second	

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The results reported above relate to the sample identified under Sample Details.
 END OF REPORT.

TEST REPORT FORMAT - STACK					
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01:03.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/19

CAMBLE DETAILS

		-		PLE DETAIL				
1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.	it: M/s. Grasim Ind ot No 1,GIDC Vila	dusi yat	Industrial Es	tate,Bharuch,PO-Villa	yat Taluka-Vagra.Gujarat.		
2.	Sample ID: 2252908246	- 139SE22SE19	12		Client Representative: Mr.Vikas Valand			
4.	Sample Date: 21.09.2022				Sampling Location: Phosphoric Acid Plant			
6.	Sampling Time: 14:00 hr			And the second of the second o				
8.		Analysis commenced on: 22.09.2022			Analysis Completed on: 22.09.2022			
10.	Reporting Date: 01.10.2022			11. Discipil	. Discipline: Chemical			
12.	Sample Collected By: Mr. Vimal				Atmospheric Pollutio	n		
14.	Sampling Procedure: IS Method			Produc	t: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	Sealed √ Thimble: Packed √ Bladder:		Bladder: Clamped		
17.	Sample Received Date: 2	22.09.2022		-2103033500				
2000			ST	ACK DETAIL	<u>.s</u>			
S.No.	Parameters	Unit (SI)		Description				
1.	Source			: Phosphoric Acid Plant				
2.	Height	m	4	35				
3.	Diameter	mm	:	350				
4.	Temperature	°c	1	36				
5.	Velocity	m/s	3					
6.	Type of fuel used	- Owell -	1	N.A				
7.	Quantity of fuel used		2	N.A	V	F3		
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³	:	6.39	20	APHA 23 st Edition; 4500 - CI C		
2.	HF .	mg/Nm³	14	N.D.	6	IS 11255 (Part 5): 1990		
Rema	ark : N.D Not Detecto	ed.	-					
	orized By -	Men III.						
1	The state of the s			100-01-410-1				

Name: Bhavisha Pandya

Designation : Sr. Chemist

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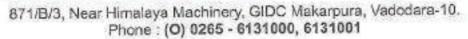
The results reported above relate to the sample identified under Sample Details.

 END OF REPORT

TEST REPORT FORMAT - STACK	
Issue No.: 02	Revision No.: 03
Issue Date: 01-01-2015	Revision Date: 01.03-2021
	Issue No.; 02

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO .: SEP22/139/20

SAMPLE DETAILS

1.	Name & Address of Clier "Caustic Plant-Vilayat" Pl Pin code-392140.	it: M/s. Grasim In ot No 1,GIDC Vila	dus yat	tries Ltd.,- Cl Industrial Es	nemical Division. tate,Bharuch,PO-Villa	ayat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	- 139SE22SE20		3. Clent R	Client Representative: Mr.Vikas Valand		
4.	Sample Date: 20.09.2022			5. Samplir	ng Location: CMS Plant	(HCL Scrubber)	
6.	Sampling Time: 14:20 hr			7. Sampli	ng Duration: 15 Mins	i	
8.	Analysis commenced on: 22.09.2022		13	9. Analys	is Completed on: 22	.09.2022	
10.	Reporting Date: 01.10.2022			11. Discipli	ine: Chemical		
12.	Sample Collected By: Mr. Vimal		1.3		Atmospheric Pollution	on	
14.		g Procedure: IS Method		15. Produc	t: Stack Emission		
16.	Description of Sample:	100 - 000 - 000	5; S	ealed V	Thimble:Packed √	Bladder: Clamped	
17.	Sample Received Date: 3	22,09.2022					
		9	ST	ACK DETAIL	<u>.s</u>		
S.No.	Parameters	Unit (SI)		Description		ption	
1.	Source		13	CMS Plant (H	(CL Scrubber)		
2.	Height	m	1	8			
3.	Diameter	mm	:	-			
4.	Temperature	D _C		36			
5.	Velocity	m/s	12				
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		:	N.A			
S. No.	Parameters	Unit (SI)	1	Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1400		and the second s		9.06	20	APHA 23rd Edition: 4500 - CI (

Name : Bhavisha Pandya

Designation : Sr. Chemist

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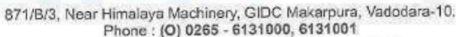
Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details: -----END OF REPORT---

**************************************	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/21

CAMPLE DETAILS

there a tiddenes of Client			THE RESERVE OF THE PERSON NAMED IN COLUMN 1997	AND RESIDENCE TO A STREET OF THE PARTY OF TH		
"Caustic Plant-Vilayat" Pk Pin code-392140.	t: M/s. Grasim In at No 1,GIDC Vila	dus yat	Industrial Es		ayat Taluka-Vagra.Gujarat.	
Sample ID: 2252908246 - 139SE225E21			Client F	Client Representative: Mr.Vikas Valand		
the state of the s			The second second second	The second secon		
Sampling Time: 14:40 hr						
Analysis commenced on:	22.09.2022	L	Complete Com		.09.2022	
			The second secon	A STATE OF THE PROPERTY OF THE PARTY OF THE		
Sample Collected By: Mr. Vimal		_		The second secon	on	
Sampling Procedure: 15 N	Method		15. Produc	- Control of the Cont	T	
Description of Sample:	Sampling Bottle	s: 5	ealed √	Thimble:Packed √	Bladder: Clamped	
Sample Received Date: 2	2.09.2022	ST	ACK DETAIL	5		
Parameters	Unit (SI)		Description			
Source		2	Methanol Vent			
Height	m	-2				
Diameter	mm	3	*			
Temperature	°c	1	34	34		
Velocity	m/s	1	-3			
Type of fuel used		3	N.A			
Quantity of fuel used		33	N.A			
Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
	μg /m ^a		N.D.	N.A	Gas Chromatography	
	Pin code-392140. Sample ID: 2252908246. Sample Date: 20.09.2022 Sampling Time: 14:40 hr. Analysis commenced on: Reporting Date: 01.10.20 Sample Collected By: Mr. Sampling Procedure: IS N. Description of Sample: Sample Received Date: 2 Parameters Source Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used	Pin code-392140. Sample ID: 2252908246 - 139SE22SE21 Sample Date: 20.09.2022 Sampling Time: 14:40 hr Analysis commenced on: 22.09.2022 Reporting Date: 01.10.2022 Sample Collected By: Mr. Vimal Sampling Procedure: IS Method Description of Sample: Sampling Bottle Sample Received Date: 22.09.2022 Parameters Unit (SI) Source Height m Diameter mm Temperature °c Velocity m/s Type of fuel used Quantity of fuel used	Pin code-392140. Sample ID: 2252908246 - 139SE22SE21 Sample Date: 20.09.2022 Sampling Time: 14:40 hr Analysis commenced on: 22.09.2022 Reporting Date: 01.10.2022 Sample Collected By: Mr. Vimal Sampling Procedure: IS Method Description of Sample: Sampling Bottles: S Sample Received Date: 22.09.2022 STA Parameters Unit (SI) Source : Unit (SI) Source : Temperature	Pin code-392140. Sample ID: 2252908246 − 139SE22SE21 3. Client F Sample Date: 20.09.2022 5. Sampli Sampling Time: 14:40 hr 7. Sampli Analysis commenced on: 22.09.2022 9. Analysis Reporting Date: 01.10.2022 11. Discipil Sample Collected By: Mr. Vimal 13. Group: Sampling Procedure: IS Method 15. Product Description of Sample: Sampling Bottles: Sealed √ Sample Received Date: 22.09.2022 Parameters Unit (SI)	Pin code-392140. Sample ID: 2252908246 - 139SE22SE21 3. Client Representative: Mr.V Sample Date: 20.09.2022 5. Sampling Location: Methan Sampling Time: 14:40 hr 7. Sampling Duration: 15 Mins Analysis commenced on: 22.09.2022 9. Analysis Completed on: 22 Reporting Date: 01.10.2022 11. Discipline: Chemical Sample Collected By: Mr. Vimal 13. Group: Atmospheric Pollutic Sampling Procedure: IS Method 15. Product: Stack Emission Description of Sample: Sampling Bottles: Sealed v Thimble: Packed v Sample Received Date: 22.09.2022 STACK DETAILS Parameters Unit (SI) Descri Source	

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Yertive Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/22

SAMPLE DETAILS

1.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.						layat Taluka-Vagra.Gujarat.
2.	Sample ID: 2252908246	- 139SE22SE01	1	3. 0	. Client Representative: Mr.Vikas Valand		
4.	Sample Date: 21.09.2022					ng Location: Calcium	NAME AND ADDRESS OF THE PARTY O
6.	Sampling Time: 14:30 hr			200		ng Duration: 15 Min	
8.	Analysis commenced on: 22.09.2022			9. A	nalys	is Completed on : 2:	2.09.2022
10.	Reporting Date: 01.10.2022			11. E	Discipli	ine: Chemical	
12.	Sample Collected By: Mr. Vimal			13. 0	roup:	Atmospheric Polluti	ion
14.	Sampling Procedure: IS N	1ethod		15. P	roduc	t: Stack Emission	
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed v	(Thimble:Packed √	Bladder: Clamped
17.	Sample Received Date: 2	2.09.2022		000			
00,000		200000000000000000000000000000000000000	ST	ACK DE	TAIL	S	
S.No.	Parameters	Unit (SI)			Description		ption
1.	Source		1	Calciu	m Chi	oride Plant	
2.	Height	m	1	-			
3.	Diameter	mm	:	-			
4.	Temperature	⁹ C	:	73			
5.	Velocity	m/s	2	5.9			
6.	Type of fuel used	- 100	:	N.A.			
7.	Quantity of fuel used		:	N.A.		Vi-	
<u>S.</u> <u>No.</u>	Parameters	Unit (SI)		Resu	ilts	Specification/ SPCB Norms/ BIS Standards	Method Used
1,	HCL	mg/Nm³	10	2.9	8	20	APHA 23rd Edition: 4500 - CI 0
Rema	rk: (A.W		1				
lutho	rized By						
Vame	: Bhavisha Pandya			Des	sional	tion : Sr. Chemist	3

ame : Bhavisha Pandya

NOTE:

Designation : Sr. Chemist

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

 END OF REPORT

TEST REPORT FORMAT - STACK					
DOC, NO.: LAB-FMT-05Z	Issue No.: 02	Revision No.: 03			
Effective Date:: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/23

SAMPLE DETAILS

22.	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.	ot No 1,GIDC Vila	yat	Industrial Es	tate,Bharuch,PO-Villa	yat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246 - 139SE22SE07				Client Representative: Mr. Vikas Valand		
	Sample Date: 21.09.2022		13		ng Location: Chlorinal		
6.	Sampling Time: 12:00 hr		13		ng Duration: 10 Mins		
8.	Analysis commenced on: 22.09.2022		18	9. Analys	is Completed on: 22	.09.2022	
	Reporting Date: 01.10.2022				ine: Chemical		
12.	Sample Collected By: Mr. Vimal		12		Atmospheric Pollution	on)	
14.	Sampling Procedure: IS	g Procedure: IS Method		15. Produk	t: Stack Emission	To accessor contractor with	
16.	Description of Sample:	Sampling Bottle	s: S	ealed v	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:	22.09.2022	STA	ACK DETAIL	S		
S.No.	Parameters	Unit (SI)			Descri	ption	
1.	Source		l t	Chlorinated	Paraffin Plant		
2.	Height	m	1	35			
3.	Diameter	mm	1:	350			
4.	Temperature	°c	1	36			
5.	Velocity	m/s	2				
6.	Type of fuel used		8	N.A			
7.	Quantity of fuel used		1:	N.A		7	
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL O	mg/Nm³	4.	2.65	20	APHA 23 rd Edition: 4500 - Cl C	
	ark:		-				

Name: Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
DOG: NO.: DAD-LINE SIDE	TOTAL STATE OF THE PARTY OF THE	Revision Date: 01.03.2021
Hortive Date: 01.03.2021	Issue Date: 01-01-2015	Keysion Dete, 01/03/2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/24

SAMPLE DETAILS

1.	Name & Address of Client	t: M/s. Grasim Ind	dust vat	ries Ltd.,- Cl Industrial Es	nemical Division. tate.Bharuch,PO-Villa	ayat Taluka-Vagra.Gujarat.		
	Pin code-392140.	30,100 170,000,110						
2.	Sample ID: 2252908246	- 139SE22SE10	1/5		Client Representative: Mr. Vikas Valand			
4.	Sample Date: 20.09.2022		3		ng Location: Alumini			
6.	Sampling Time: 14:00 hr				ing Duration: 10 Mins			
8.	Analysis commenced on: 22.09.2022				is Completed on: 22	.09.2022		
10.	Reporting Date: 01,10.2022			The second secon	ine: Chemical			
12.	Sample Collected By: Mr. Vimal		1.8		: Atmospheric Pollution	on		
14.	Sampling Procedure: IS			Produce	t: Stack Emission	1000		
16.	Description of Sample:	Sampling Bottle	s: 5	:: Sealed √ Thimble: Packed √ Bladder: Clamped		Bladder: Clamped		
17.	Sample Received Date: 2	2.09.2022						
			ST/	ACK DETAIL	<u>.s</u>			
S.No.	Parameters	Unit (SI)			Descri	ption		
1.	Source		3	Aluminiun	Aluminium Chloride Plant			
2.	Height	m	:	35	35			
3.	Diameter	mm	:	350	350			
4.	Temperature	°c	1	34	34			
5.	Velocity	m/s	1	22				
6.	Type of fuel used	2.470	1	N.A				
7.	Quantity of fuel used		1:	N.A				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
1.	HCL	mg/Nm³		2.13	20	APHA 23 rd Edition: 4500 - CLC		
Rema	ark:	92	- 77					
Autho	orized By -							
Name	e : Bhavisha Pandya				ation : Sr. Chemist			

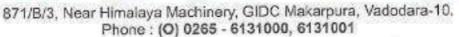
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	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Ispae No.: 02	Revision No.: 03
Effective Date:, 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/25

SAMPLE DETAILS

1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code 392140.	nt: M/s. Grasim In lot No 1,GIDC Vila	ous	tries Ltd.,- O Industrial Es	nemical Division. tate,Bharuch,PO-Vill	ayat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	- 139SE22SE11		Client	Client Representative: Mr.Vikas Valand		
4.	Sample Date: 20.09.2022			5. Sampl	ng Location: Stable	Bleaching Powder Plant	
6.	Sampling Time: 15:00 hr			7. Sampl	ing Duration: 10 Min	s	
8.	Analysis commenced on: 22.09.2022			9. Analys	is Completed on: 22	2.09.2022	
10.	Reporting Date: 01.10.2022			11. Discip	ine: Chemical		
12.				13. Group	: Atmospheric Polluti	on	
14.	Sampling Procedure: IS			Produ	t: Stack Emission		
16.	Description of Sample:	The state of the s	ing Bottles: Sealed v		Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date:				101		
	// //s		ST	ACK DETAIL	<u>.s</u>		
S.No.	<u>Parameters</u>	Unit (SI)		Description		ption	
1.	Source		1	Stable Ble	Stable Bleaching Powder Plant		
2.	Height	m	1	35	KEPSEMERO NO-C. PARKENIN C		
3.	Diameter	mm	1	200			
4.	Temperature	°c	1	36			
5.	Velocity	m/s	1	23			
6.	Type of fuel used			N.A			
7.	Quantity of fuel used		2	N.A			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HOL	mg/Nm ³		3.18	20	APHA 23rd Edition: 4500 - Cl C	
	ark:					11.	

Name: Bhavisha Pandya NOTE:

Authorized By -

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Designation : Sr. Chemist

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

ATTACKED BY AND A SAME TO SAME TO SAME	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO .: SEP22/139/26

SAMPLE DETAILS

		-	-	PLE DETAI			
1.	Name & Address of Client "Caustic Plant-Vilayat" Plo Pin code-392140.	: M/s. Grasim Ind t No 1,GIDC Vila	dust yat	Industrial Es	tate,Bharuch,PO-Villi	ayat Taluka-Vagra.Gujarat,	
2.	Sample ID: 2252908246 -	- 1395E22SE12	13		Representative: Mr.V		
4.	Sample Date: 20.09.2022		130		Sampling Location: Poly Aluminium Chloride Plant (Old Powder Plant).		
6.	Sampling Time: 12:40 hr		1.5		ing Duration: 10 Min		
В.	Analysis commenced on:	22.09.2022		9. Analys	sis Completed on: 22	2.09.2022	
10.	Reporting Date: 01.10.20		13	The second second second second	line: Chemical		
12.	Sample Collected By: Mr.				Group: Atmospheric Pollution		
14.	Sampling Procedure: IS N			Produ	ct: Stack Emission	The state of the s	
16.	Description of Sample:	I Supply and the supp	s: S	iealed V	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 2	2.09.2022					
11.	Sumply made and		ST	ACK DETAI	LS		
S.No.	Parameters	Unit (SI)			Descr		
1.	Source		3	Poly Alumi	nium Chloride Plant	(Old Powder Plant)	
2,	Height	m	1	35	WARRIOT -		
3.	Diameter	mm	:	350			
4.	Temperature	°C	:	34			
5.	Velocity	m/s	3				
6.	Type of fuel used		:	N.A			
7.	Quantity of fuel used		:	N.A		400	
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL	mg/Nm ³	2	2.12	20	APHA 23rd Edition: 4500 - CLC	
Rema	ark:		-0.04				
. + +	orized By -						
	e : Bhayisha Pandya			Design	ation : Sr. Chemis		

Name : Bhavisha Pandya

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FNT-052	Issue No.: 02	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Dete; 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO .: SEP22/139/27

SAMPLE DETAILS

				PLE DETAI			
	Name & Address of Clien "Caustic Plant-Vilayat" Pl Pin code-392140.	t: M/s. Grasim Ind ot No 1,GIDC Vilay	iust /at	Industrial Es	tate, Bharuch, PO-Villa	ayat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	- 139SE22SE13			Representative: Mr.V		
	Sample Date: 20.09.2022				Sampling Location: Poly Aluminium Chloride Plant (New Powder Plant)		
6.	Sampling Time: 13:30 hr	8	1.8		Analysis Completed on : 22.09.2022 Discipline: Chemical Group: Atmospheric Pollution		
8.	Analysis commenced on:	22.09.2022	11	9. Analys			
10.	Reporting Date: 01.10.20			11. Discip			
12.	Sample Collected By: Mr						
14.	Sampling Procedure: IS	Method	8	Produ	ct: Stack Emission		
16.	Description of Sample:	Sampling Bottles	s: S	ealed v	Thimble:Packed	Bladder: Clamped	
17.	Sample Received Date: 2	22.09.2022					
17.	Sample Received Prices		ST	ACK DETAI	<u>LS</u>		
S.No.	Parameters	Unit (SI)			Descri	ption	
1.	Source		1	Poly Alumi	nium Chloride Plant	(New Powder Plant)	
2.	Height	m	1	35			
3.	Diameter	mm	12	350			
4.	Temperature	°c	1	34			
5.	Velocity	m/s	4	-			
6.	Type of fuel used		1:	N.A			
7.	Quantity of fuel used	-	13	N.A		W	
5. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL	mg/Nm³	1	1.59	20	APHA 23 rd Edition: 4500 - CLC	
Rema	ark:		11/1		3/1		
4.0000000000000000000000000000000000000	orized By -			47			

Name : Bhavisha Pandya

Designation : Sr. Chemist

NOTE: 1)

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 Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples. are not consumed during analysis.

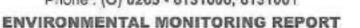
The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC NO. LAR PMT 052	Issue Nn.: 02	Revision No.: 03
DOC. NO.: LAB-FMT-052 Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

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LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/28

SAMPLE DETAILS

			AI	MPLE DETA	ILS		
1.	Name & Address of Clier "Caustic Plant-Vilayat" P Pin code-392140.					ayat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	- 139SE22SE14		Client	Representative: Mr.\	Vikas Valand	
4.	Sample Date: 20.09.202	2		Samp Plant		uminium Chloride Plant (Liquid	
6.	Sampling Time: 12:45 h		I	7. Samp	ling Duration: 10 Min	S	
8.	Analysis commenced on:	22.09.2022		9. Analy	Analysis Completed on: 22.09.2022		
10.	Reporting Date: 01.10.2	022	Т	11. Discip	line: Chemical	250000 SEVEL XCX	
12.	Sample Collected By: Mr	. Vimal		13. Group	: Atmospheric Polluti	ion	
14.	Sampling Procedure: IS	Method		15. Produ	ct: Stack Emission	7/2	
16.	Description of Sample:	Sampling Bottle	5: 5	Sealed √	Thimble:Packed √	Bladder: Clamped	
17.	Sample Received Date:	22.09.2022	4900	1300 POST			
- 10	10		ST	ACK DETAI	<u>LS</u>		
S.No.	Parameters	Unit (SI)			Descri	ption	
1.	Source		1	Poly Alun	ninium Chloride Pla	nt (Liquid Plant)	
2.	Height	m	:	35		7-1-2-1-2-1-2-1-2-2-2-2-2-2-2-2-2-2-2-2-	
3.	Diameter	mm	:	350			
4.	Temperature	°c	1	34			
5.	Velocity	m/s	1:	-			
6.	Type of fuel used		1	N.A			
7.	Quantity of fuel used		1	N.A			
<u>S.</u> No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	HCL	mg/Nm ³		2.65	20	APHA 23 rd Edition: 4500 - CI C	
Rema	rk:	100,710,010	-	20.000	20795		
Autho	rized By -						
	: Bhavisha Pandya			Design	ation : Sr. Chemist	8	
100			-			The state of the s	

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TEST REPORT FORMAT - STACK				
DOC. NO.; LAB-FMT-052	Issue No.: 02	Revision No.: 03		
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021		





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/02 (ULR-TC709922000018266F)

	PORT NO.: SEP22/139/02 (ULR	54	١M٢	TE DELATE	algal Division			
	Name & Address of Client: M/s "Caustic Plant-Vilayat" Plot No Pln code-392140.	1,GIDC Vilay	at I	Udazinsi cara	e, and carry o			
2.	Sample ID: 2252908246 - 139	SE22SE02	+	Client Representative: Mr.Vikas Valand				
4.	Sample Date: 21.09.2022	380 G 12-7-		5. Sampling Location: D.G.Set - 1				
6.	Sampling Time: 11:00 hr		1	7. Sampling Duration: 30 Mins				
8.	Analysis commenced on: 22.0	9.2022	1	Analysis Completed on : 22.09.2022 Discipline: Chemical				
10.	Reporting Date: 01.10.2022		1					
12.	Sample Collected By: Mr. Vim	al		13. Group: Atmospheric Pollution				
44	Samplion Procedure: IS Meth	od			Stack Emission	Bladder: Clamped		
16.	Description of Sample: Sar	npling Bottles	: 50	saled v	Thimble: Packed √	Biadder, Campos		
17.	Sample Received Date: 22.09	2022						
161	Junpo Naca		STA	CK DETAILS				
S.No.	Parameters	Unit (SI)	Unit (SI) Description					
1.	Source		18	D.G.Set - 1				
2.	Height	m	:	36				
3.	Diameter	rom	:	450				
4.	Temperature	°C	1	138				
5.	Velocity	m/s	1	6.3				
6.	Type of fuel used	13 10000	1	HSD				
7.	Quantity of fuel used	lit/hr	:	600				
S, No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
	Particulate Matter	mg/Nm³	1:	43	150	IS 11255 (Part 1): 1985		
1.		ppm	1:	14.55	100	IS 11255 (Part 2): 1985		
2.	Sulphur Dioxide(SO ₂) Oxides of Nitrogen (NOx)	ppm	1	1000	50	IS 11255 (Part 7) :2005		
3.	The second secon	ppin	1	7				
120000000	ark:				18777 300 30183			
	norized By - Pandya			Designa	tion : Sr. Chemist			

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. END OF REPORT

	TEST REPORT FORMAT - STACK	
- 11	The state of the s	Revision No.: 03
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision Date: 01.03.2021
Frective Date: . 01.03.2021	Issue Date: 01-01-2015	Page 1





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.; SEP22/139/03 (ULR- TC709922090016267F)

SAMPLE DETAILS

				LE DE INA				
1.	Name & Address of Client: M. "Caustic Plant-Vilayat" Plot N. Pin code-392140.	/s. Grasim Ind o 1,GIDC Vilay	at 1	ndustrial Esta	nce, bhardot, PO-villayer			
2.	Sample ID: 2252908246 - 13	95E22SE03	1	Client R	epresentative: Mr.Vikas	s Valdiju		
4.	Sample Date: 21.09.2022		1	Samplin	Sampling Location: D.G.Set - 2			
6.	Sampling Time: 11:45 hr		13	Samplin	Sampling Duration: 30 Mins			
8.	Analysis commenced on: 22.	09.2022	133					
10.	Reporting Date: 01.10.2022		11.	 Discipling 	. Discipline: Chemical			
12.	Sample Collected By: Mr. Vin	nal	1	3. Group:	Atmospheric Pollution			
14.	Sampling Procedure: IS Meti	nod	1	Product	: Stack Emission	Tax organization		
15.	Description of Sample: Sa	mpling Bottles	: 50	ealed √	Thimble: Packed √	Bladder: Clamped		
17.	Sample Received Date: 22.0	9.2022		CK DETAILS	5			
s.No.	Parameters	Unit (51)			Descripti	<u>on</u>		
1.	Source		:	D.G.Set - 2				
2.	Height	m	2	36				
3.	Diameter	mm	1	450				
4.	Temperature	°c	1	139				
5.	Velocity	m/s	1 0	6.3				
6.	Type of fuel used		2	HSD				
7.	Quantity of fuel used	lit/hr	1	600				
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used		
4000	Particulate Matter	mg/Nm ³	1	48	150	IS 11255 (Part 1): 1985		
1,	Sulphur Dioxide(SO ₂)	ppm	1	13.13	100	IS 11255 (Part 2): 1985		
2.	Oxides of Nitrogen (NOx)	ppm	1	11.19	50	IS 11255 (Part 7) :2005		
	OXIDES OF IVIDIOGET (NOX)	(SEPECT)	120					

Remark:

NOTE:

Authorized By -Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis

The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
	Issue No.: 02	Revision No.: 03
DOC, NO.: LAB-FMT-052	Tssue Date: 01-01-2015	Revision Date: 01.03.2021





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/04 (ULR-TC709922000018268F)

			SAN	APLE DETA	ILS		
1,	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.					vat Taluka-Vagra.Gujarat.	
2.	Sample ID: 2252908246	139SE22SE04		Clien	t Representative: Mr.VI	cas Valand	
4.	Sample Date: 21.09.2022			5. Sam	pling Location: D.G.Set	- 3	
6.	Sampling Time: 12:25 fr		1	7. Sam	7. Sampling Duration: 30 Mins		
8.	Analysis commenced on: 2	2.09.2022		9. Anal	Analysis Completed on: 22.09.2022		
10.	Reporting Date: 01.10.202	2	Y	11. Disci	Discipline: Chemical		
12.	Sample Collected By: Mr. V	imal		13. Grou	p: Atmospheric Pollution	1	
14.	Sampling Procedure: IS Me	thod		15. Prod	uct: Stack Emission		
16.	Description of Sample: 9	Sampling Bottle	5: 5	Sealed √	Thimble: Packed √	Bladder: Clamped	
17.	Sample Received Date: 22.	09.2022			0000		
	42 = = = =====		ST	ACK DETA	ILS		
S.No.	Parameters	Unit (SI)			Descrip	tion	
1.	Source		5	D.G.Set -	-3		
2.	Height	m	1	36			
3.	Diameter	mm	3	450			
4.	Temperature	°C		142			
5.	Velocity	m/s	1	6.3			
6.	Type of fuel used		1	HSD			
7.	Quantity of fuel used	lit/hr	1	600			
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used	
1.	Particulate Matter	mg/Nm ³	2	53	150	IS 11255 (Part 1): 1985	
2.	Sulphur Dioxide(SO ₂)	ppm	1	16.04	100	IS 11255 (Part 2): 1985	
3.	Oxides of Nitrogen (NOx)	ppm	:	9,62	50	IS 11255 (Part 7):2005	
Rema	irk:	1 11 2 10 6				1/10/09/2009 200 200 200 200 200 200 200 200 200	
Autho	orized By -						
	: Bhayisha Pandya			Design	nation : Sr. Chemist		

Name : Bhavisha Pandya

Designation : Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK					
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03			
Effective Date: 01.03.2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021			





An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone: (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/05 (ULR- TC709922000018269F)

SAMPLE DETAILS

1.	Name & Address of Client "Caustic Plant-Vilayat" Plo	: M/s. Grasim Ind at No 1,GIDC Vila	dust yat l	ries Ltd.,- Cr Industrial Es	emical Division. tate,Bharuch,PO-Villaya	t Taluka-Vagra.Gujarat.Pin			
	code-392140.		_						
2,	Sample ID: 2252908246		-		Client Representative: Mr. Vikas Valand				
4.	Sample Date: 21.09.2022		_	The second secon	ng Location: D.G.Set	4			
6.	Sampling Time: 12:05 hr		_		ng Duration: 15 Mins	8407			
8.	Analysis commenced on:	22.09.2022	_	THE RESERVE TO STATE OF THE PARTY OF THE PAR	is Completed on: 22.09	1.2022			
10.	Reporting Date: 01.10.20	22	-	The second secon	ine: Chemical				
12.	Sample Collected By: Mr.	Vimal	_	13. Group: Atmospheric Pollution					
14.	Sampling Procedure: IS I		-	15. Product: Stack Emission					
16.	Description of Sample:	Sampling Bottle	s: Se	ealed √	Thimble: Packed √	Bladder: Clamped			
17.	Sample Received Date:	22.09.2022							
			STA	CK DETAIL	<u>s</u>				
S.No.	Parameters	Unit (SI)			Descripti	on			
1.	Source		3	D.G.Set -	4				
2.	Height	m	:	11					
3.	Diameter	mm	:	450					
4.	Temperature	°C	1	134					
5.	Velocity	m/s	1	6.2					
6.	Type of fuel used		2	HSD					
7.	Quantity of fuel used	lit/hr	1	600					
S. No.	Parameters	Unit (SI)		Results	Specification/ SPCB Norms/ BIS Standards	Method Used			
1.	Particulate Matter	mg/Nm ³	1:	40	150	IS 11255 (Part 1): 1985			
2.	Sulphur Dioxide(SO ₂)	ppm		14.69	100	IS 11255 (Part 2): 1985			
3.	Oxides of Nitrogen (NO	x) ppm	:	10,36	50	IS 11255 (Part 7) :2005			
Rema									
	The Part of the Pa								

Name : Bhavisha Pandya

Designation : Sr. Chemist

Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. 1) NOTE:

Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.

 The results reported above relate to the sample identified under Sample Details. -----END OF REPORT-----

TEST REPORT FORMAT - STACK Revision No.: 03 Issue No.: 07 DOC. NO.: LAB-FMT-052 Revision Date: 01.03,2021 Issue Date; 01-01-2015 Effective Date: 01.03.2021 Page 1 of 1





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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: SEP22/139/08 (ULR- TC709922000018270F)

SAMPLE DETAILS

1.	Name & Address of Client: "Caustic Plant-Vilayat" Plot Pin code-392140.					ayat Taluka-Vagra,Gujarat.		
2.	Sample ID: 2252908246 -	139SE22SE06		3. Clie	 Client Representative; Mr.Vikas Valand 			
4.	Sample Date: 21.09.2022			5. Sam	pling Location: D.G.Set	-5		
6.	Sampling Time: 14:00 hr			7. Sam	pling Duration: 20 Mins	5		
8.	Analysis commenced on: 2	2.09.2022		9. Ana	ysis Completed on: 22	.09.2022		
10.	Reporting Date: 01.10.202	2		11. Disc	ipline: Chemical			
12.	Sample Collected By: Mr. 1	/imal	10	13. Gro	p: Atmospheric Pollution	on		
14.	Sampling Procedure: IS M	ethod		15. Proc	Product: Stack Emission			
16.	Description of Sample:	Sampling Bottle	s: S	ealed √	Thimble:Packed	Bladder: Clamped		
17.	Sample Received Date: 22				MUNOS	TO THE PARTY OF THE PARTY.		
- SURCOUT		15	ST	ACK DETA	ILS			
S.No.	<u>Parameters</u>	Unit (SI)			Descri	ption		
				POPOSICIONAL PROPERTY OF THE PARTY OF THE PA				
1.	Source		13	D.G.Set	- 5			
1.	Source Height	m	1	D.G.Set	- 5			
	V250000000	m	12 00 00		- 5			
2.	Height	04304	10 00 00 10	11	-5			
2. 3.	Height Diameter	mm	20 20 20 20	11 450 143	- 5			
2. 3. 4.	Height Diameter Temperature	mm °c	:	11 450 143	- 5			
2. 3. 4. 5.	Height Diameter Temperature Velocity	mm °c	:	11 450 143 6.3	-5			
2. 3. 4. 5.	Height Diameter Temperature Velocity Type of fuel used	mm °c m/s	:	11 450 143 6.3 HSD	Specification	Method Used		
2. 3. 4. 5. 6. 7.	Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used	mm °c m/s	:	11 450 143 6.3 HSD 600	Specification/ SPCB Norms/	Method Used IS 11255 (Part 1): 1985		
2. 3. 4. 5. 6. 7. §.	Height Diameter Temperature Velocity Type of fuel used Quantity of fuel used Parameters	mm °c m/s llt/hr Unit (SI)	10.00.00	11 450 143 6.3 HSD 600 Results	Specification/ SPCB Norms/ BIS Standards			

Authorized By -Name : Bhavisha Pandya

Designation: Sr. Chemist

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Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples 2) are not consumed during analysis.

The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

	TEST REPORT FORMAT - STACK	
DOC. NO.: LAB-FMT-052	Issue No.: 02	Revision No.: 03
ffective Date: 01 03 2021	Issue Date: 01-01-2015	Revision Date: 01.03.2021

Form No. - 37 (Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / Operation		La area and and and	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	CA Plant	Total Dust	Handy Air Sampler	1		0.91	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Latter)
8	9	10	11	12	13
10 mg/m ³	15 5182(Part 4): 1999			For	MR, SHUBHAM VERMA

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sempling Instrument	Airborne Contamination		Average conc.
3.NO.	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	CA Plant	SO ₂	Handy Air Sampler	1	4	0.32

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. SHUBHAM VERMA

Form No. - 37 (Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation Identified Sampling	Sempling Instrument	Airborne Cont	Airborne Contamination	
a.NO.	mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
3	CA Plant	NOx	Handy Air Sampler	1		0.21

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ²	IS 5182(Part 6): 2006	-	The result is within the limit.	For	MR. SHUBHAM VERMA

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling	Airborne Contamination		Average conc.
5.NO.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	CA Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	141	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CHC	2	(*)	For	MR. SHUBHAM VERMA

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling	Airborne Conta	Airborne Contamination	
5.NO.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	CA Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
g mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(c)

- 1. Name of the Department/Plant. SSP Plant.
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
1	SBP Plant	Total Dust	Handy Air Sampler	1		0.83

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999		*	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument	Airborne Contamination		Average conc.
5.NO.	Operation mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	SBP Plant	SO ₂	Handy Air Sampler	1		0,39

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant.
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		peration Identified	Sampling Instrument Used	Airborne Contamination		Average conc.
J.NO.		No. of samples		Range	mg/Nm ³	
1	2	3	4	5	6	7
3	SBP Plant	Nox	Handy Air Sampler	1		0.20

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6); 2006	*	The result is within the limit.	For	MR, SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Conta	Airborne Contamination	
5.NO.	mentioned contaminant	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	SBP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	*	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	*		For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Operation Identified Sampling		Airborne Conta	amination	Average conc.	
5.NO.	mentioned contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	SBP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1	(4)	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-8.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m ³
1	2	3	4	5	6	7
1	PAC Powder New	Total Dust	Handy Air Sampler	1	*	0.81

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 5182(Part 4): 1999		25 7	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation Identified San	Sampling Instrument	Airborne Contamination		Average conc.
mentioned	contaminant	Used	No. of samples	Range	mg/Nm³	
1	2	3	4	5	6	7
2	PAC Powder New	SO ₂	Handy Air Sampler	1	-	0.49

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Location / Identified Contaminant Contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
	No. of samples			Range	mg/Nm ³	
1	2	3	4	5	6	7
3	PAC Powder New	NOx	Handy Air Sampler	1		0.31

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006		The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location /- Operation	Identified	Sampling	Airborne Contamination		Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range		
1	2	3	4	5	6	7
4	PAC Powder New	Hydrogen Chloride(HCL)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
-	APHA 23 rd Edition 4500 CI-C		*	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling	Airborne Contamination		Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	PAC Powder New	Chlorine (Cl ₂)	Handy Air Sampler	1	127	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	iS 5182(Part 19): 1982	*	The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation		Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	PAC Powder Old	Total Dust	Handy Air Sampler	1	ä	0.73	

TWA conc. (as given in 2nd Schodule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	*	38	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	contaminant	No. of samples		Range	mg/Nm ³	
1	2	3	4	5	6	7
2	PAC Powder Old	SO ₂	Handy Air Sampler	1	~	0.58

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument Used	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ²
1	2	3	4	5	6	7
3	PAC Powder Old	NOx	Handy Air Sampler	1	4.	0,38

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	*	The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Conta	amination	Average conc.
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	PAC Powder Old	Hydrogen Chloride(HCL)	Handy Air Sampler	1	2	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
14.	APHA 23 rd Edition 4500 CI-C	*	.+	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation		Identified	Sampling	Airborne Contamination		Average conc.
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	PAC Powder Old	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	(\$ 5182(Part 19): 1982		The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / Operation		Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m³	
1	2	3	•	5	6	7	
1	ALCP Plant	Total Dust	Handy Air Sampler	1		0.93	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	2	840	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation			Sampling Instrument	Airborne Cont	amination	Average conc.
Z000	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	ALCP Plant	SO ₂	Handy Air Sampler	1	1.2	0.45

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks.	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2001	*	The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation contaminant Used	Sampling Instrument	Airborne Contamination		Average conc.
75102774	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	ALCP Plant	NOx	Handy Air Sampler	1	-	0.25

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	*	The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Conta	mination	Average conc.
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	ALCP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	i	9	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
78:	APHA 23 rd Edition 4500 CI-C	-	4	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Contamination		Average conc
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	ALCP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1	•	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, Chemical Dosing Area
- 2.Raw Material; by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	Chemical Dosing Area	Total Dust	Handy Air Sampler	1	32	0.78	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5162(Part 4): 1999	*	(*)	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation Identified 3	Sampling Instrument	Airborne Contamination		Average conc.
TELEVI	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	Chemical Dosing Area	SO ₂	Handy Air Sampler	1		0.50

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant. Chemical Dosing Area.
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Operation Identified Sampling Instrument			Average conc.	
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	Chemical Dosing Area	NOx	Handy Air Sampler	1		0.39

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	1\$ 5182(Part 6): 2006		The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Conta	amination	Average conc.
Silion	mentioned cont	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	Chemical Dosing Area	Hydrogen Chloricle(HCL)	Handy Air Sampler	1	일	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
1	APHA 23 rd Edition 4500 CI-C		3 m .	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		1 movement	Sampling	Airborne Contamination		Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	Chemical Dosing Area	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m ³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paralfin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified conteminant	Sampling Instrument	Airborne Contamination		Result
3.NU.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m ³
1	2	3	4	5	6	7
1	CPW (Paraffin Storage area)	Total Dust	Hardy Air Sampler	t		0.66

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	-	×	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified Sampling Instru	Sampling Instrument	Airborne Contamination		Average conc
mentioned	Contaminant		No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7
2	CPW (Paraffin Storage area)	SO ₂	Handy Air Sampler	1		0.33

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process;
- 3. Particulars of sampling

Location / S.No. Operation		conteminant Use	Sampling Instrument	Airborne Cont	amination	Average conc. mg/Nm ³
mentioned	Contaminant	0310	No. of samples	Range		
1	2	3	4	5	6	7
3	CPW (Paraffin Storage area)	NOx	Handy Air Sampler	1	8	0.18

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 6): 2006	-	The result is within the limit.	For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	No. of samples			Range	mg/m³	
1	2	3	4	5	6	7
4	CPW (Paraffin Storage area)	Hydrogen Chloride(HCL)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
140	APHA 23 rd Edition 4500 CI-C	*		For	MR. SHUBHAM VERMA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified contaminant I	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	contaminant	No. of samples		Range	mg/m³	
1	2	3	4	5	6	7
5	CPW (Paraffin Storage area)	Chlorine (Cl ₂)	Handy Air Sampler	1	18	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	5 5182(Part 19): 1982		The results is within the limits.	For	MR. SHUBHAM VERMA

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material by products and finished products involving in the process
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument	Airbome Contamination		Result
5.NO.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
1	CA Plant	Total Dust	Handy Air Sampler	1	546	1.20

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	31	12	13
10 mg/m ³	15 5182(Part 4): 1999			For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		CONTRACTOR OF THE PROPERTY OF	Sampling Instrument	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	CA Plant	SO ₂	Handy Air Sampler	1	•	0.12

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process
- 3. Particulars of sampling

Location / S.No. Operation			Sampling Instrument	Airborne Contamination		Average conc.	
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³	
1	2	3	4		6	7	
3	CA Plant	NOx	Handy Air Sampler	1		0.34	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6): 2006	-	The result is within the limit.	For P	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified Samp contaminant Instrume	Sampling Instrument Mood	Airborne Contamination		Average conc.	
		Institution Osca	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	CA Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	*:	0.11

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
٠	APHA 23 rd Edition 4500 CI-C		2	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		ion Identified Sampling	Airborne Contamination		Average conc.	
mentioned	concaminant	Instrument used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	CA Plant	Chlorine (Cl ₂)	Handy Air Sampler	1	19	0.34

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982	et.	The results is within the limits.	For S	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling.

	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m²
1	2	3	4	5	6	7
1	SBP Plant	Total Dust	Handy Air Sampler	1	*	1,40

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
В	9	10	11	12	13
10 mg/m ²	15 5182(Part 4): 1999	7.5 ₂	9	For ②	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified contaminant	Sampling Instrument	Airborne Contamination		Average conc.
********	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	SBP Plant	SO ₂	Handy Air Sampler	ä	200	0.11

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For P	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant.
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Operation		Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	SBP Plant	NOx	Handy Air Sampler	:1	*	0.42

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006		The result is within the limit.	For (3)	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	I Identified Sampling		amination	Average conc.	
mentioned	Contaminant	Anstrument oscu	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	SBP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1.	*:	0.09

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	-	2	For P	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	TANK TANK TANK TANK TANK TANK TANK TANK		amination	Average conc.
	mentioned contaminant	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	SBP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1	*	0.33

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	(S 5182(Part 19): 1982		The results is within the limits.	For G	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Meterial by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation		Identified contaminant	Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
1	PAC Powder New	Total Dust	Handy Air Sampler	1		1.30

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999			For R	NR. VINAL CHAUHAN

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	PAC Powder New	502	Handy Air Sampler	1		0.17

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
В	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For (N)	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Operation Identified Sampling Instrument	100	Airborne Contamination		Average conc.
	mentioned	comanimant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	PAC Powder New	NOx	Handy Air Sampler	3		0.36

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	+	The result is within the limit.	For (4)	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		inentitied Sampling	57 C 400 W. T 100 W.	Airborne Contamination		Average conc.
mentioned	Instrument Used		No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	PAC Powder New	Hydrogen Chloride(HCL)	Handy Air Sampler	1	*	0.1

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
8.28	APHA 23 rd Edition 4500 CI-C		-	For G	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified			Average conc.	
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	PAC Powder New	Chlorine (Cl ₂)	Handy Air Sampler	1	*	0.34

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19]: 1982		The results is within the limits.	For @	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(s)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation	Identified contaminant	Sampling Instrument	Airborne C	ontamination	Result	
S.No.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m ¹	
1	2	3	4	5	6	7	
1	PAC Powder Old	Total Dust	Handy Air Sampler	1		1.60	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	1S 5182(Part 4): 1999			For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	retion Identified Sampi	Sampling Instrument	Airborne Contamination		Average conc.
0.110.	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	PAC Powder Old	SO ₂	Handy Air Sampler	31	*	0.14

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	15 5182(Part 2): 2001		The result is within the limit.	For S	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cont	amination	Average conc.
	mentioned	Contaminant	useu	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	PAC Powder Old	NOx	Handy Air Sampler	-1	9	0.32

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6): 2006		The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation			Sampling	Airborne Contamination		Average conc.
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	PAC Powder Old	Hydrogen Chloride(HCL)	Handy Air Sampler	1	8	0.08

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	4		For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, PAC Powder Old
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified			Average conc.	
011101	mentioned	ntioned	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	PAC Powder Old	Chlorine (Cl ₂)	Handy Air Sampler	1		0.31

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m ³	IS 5182(Part 19): 1982	*	The results is within the limits.	For S	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

2000	Location / Operation	Christian Commission	Sempling Instrument	Airborne Contamination		Result	
S.No.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m²	
1	2	3	4	5	6	7	
1	ALCP Plant	Total Dust	Handy Air Sampler	1	15	1,40	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999			Far	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified Sampling Instrument Airborne Contamination		amination	Average conc.	
5.140.	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7.
2	ALCP Plant	5O ₂	Handy Air Sampler	+		0.21

TWA eenc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For 🕞	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Meterial, by products and finished products involving in the process
- 3. Particulars of sampling

S.No.	Location / Operation	identified Sampling Instrument		amination	Average conc.	
2.0.10.1	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	ALCP Plant	NOx	Handy Air Sampler	3		0.43

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	15 5182(Part 6): 2006	6 0	The result is within the limit.	For 😯	MR. VIMAL CHAJHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified		Airborne Contamination		Average conc.
mentioned	contaminant	No. of samples		Range	mg/m³	
1	2	3	4	5	6	7
4	ALCP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	í	*	0.08

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
*	APHA 23 rd Edition 4500 CI-C	5		For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process ;
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Contamination		Average conc
5.1101	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	ALCP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		0.34

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For 3	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- Z.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

Location / Operation		Identified contaminant	Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m ³
1	2	3	4	5	6	7
1	Chemical Dosing Area	Total Dust	Handy Air Sampler	1	18	1.50

IWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
В	9	10	11	12	13
10 mg/m ³	15 5182(Part 4): 1999			For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area.
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		pling Instrument
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	Chemical Dosing Area	SO ₂	Handy Air Sampler	1	(3)	0.19

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2001	i to	The result is within the limit.	For 🚱	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, Chemical Dosing Area
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling Instrument	Airborne Contamination		Average conc
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	Chemical Dosing Area	NOx	Handy Air Sampler	1		0.34

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	15 5182(Part 6): 2005	-	The result is within the limit.	For 😯	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant. Chemical Dosing Area
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation	Identified	Sampling Tackyment Used	Airborne Contamination		Average conc.	
(7.100.DE)	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	Chemical Dosing Area	Hydrogen Chloride(HCL)	Handy Air Sampler	1	*	0.11

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
*	APHA 23 rd Edition 4500 CI-C		•	For	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	TO STORE WAS DOING BOTH WITH WARRENCE WAS A STORE OF THE PARTY OF THE		amination	Average conc
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	Chemical Dosing Area	Chlorine (Cl₂)	Handy Air Sampler	1	*	0.40

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982	-	The results is within the limits.	For 3	MR: VIMAL CHAUHAN

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1, Name of the Department/Plant CPW (Paraffin Storage area)
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

200025	Location / Operation	Participation of the control of the	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m	
i	2	3	4	5	6	7	
1	CPW (Paraffin Storage area)	Total Dust	Handy Air Sampler	1		1.10	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking semples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	-		For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(s)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified Sampling Instrument Airborne Contamination		Average conc		
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	CPW (Paraffin Storage area)	502	Handy Air Sampler	1:	*	0.18

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For N	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant			Average cons	
	mentioned		55500	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	CPW (Paraffin Storage area)	NOx	Handy Air Sampler	7	æ	0.44

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 6): 2006	8	The result is within the limit.	For S	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
	mentioned			No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	CPW (Paraffin Storage area)	Hydrogen Chloride(HCL)	Handy Air Sampler	1		0.12

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	=	12.	For P	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cont.	Airborne Contamination	
	mentioned	139 4440000000000000000000000000000000000	The state of the s	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	CPW (Paraffin Storage area)	Chlorine (□ ₂)	Handy Air Sampler	1		0,34

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
g mg/m³	IS 5182(Part 19): 1982	-	The results is within the limits.	For	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material by products and finished products involving in the process:
- 3. Particulars of sampling

	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m³	
1	2	3	.4	5	6	7	
1	CA Plant	Total Dust	Handy Air Sampler	1		0.73	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 5182(Part 4): 1999	-	÷	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant.
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified Sampli contaminant	Sampling Instrument	Airborne Contamination		Average conc.	
		Used	No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7
2	CA Plant	5O ₂	Handy Air Sampler	1		0.90

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, CA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation	Identified	Sampling Instrument	Airborne Contamination		Average conc.	
200(3)	mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
3	CA Plant	NOx	Handy Air Sampler	1		1.03

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	2	The result is within the limit.	For ∯	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified	Sampling Instrument Used	Airborne Contamination		Average conc.	
	contaminant		No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	CA Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	12	0.08

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	-	888	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.	
			No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	CA Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m ³	(S 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant.
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / Operation			Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
1	SBP Plant	Total Dust	Handy Air Sampler	1	2	0.85

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	-11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	-	98	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant.
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation		Identified contaminant	Sampling Instrument	Airborne Contamination		Average conc.
0.110.	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ²
1	2	3	4	5	6	7
2	SBP Plant	SO ₂	Handy Air Sampler	1	*	0.78

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument	Airborne Contamination		Average conc.
mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7
3	SBP Plant	NOx	Handy Air Sampler	1	23	1.21

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6); 2006	2	The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling	Airborne Contamination		Average conc.
5.110.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	SBP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	÷	0.05

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C		3	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation			Sampling	Airborne Contamination		Average conc.
S.NU.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	SBP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m ³	
1	2	3	. 4	5	6	7	
ī	PAC Powder New	Total Dust	Handy Air Sampler	1		0.77	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	1S 5182(Part 4): 1999	-	•	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1, Name of the Department/Plant. PAC Powder New
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation mentioned		Sampling Instrument	Airborne Contamination		Average conc	
	contaminant	Used	No. of samples	Range	mg/Nm ²	
1	2	3	4	5	6	7
2	PAC Powder New	SO ₂	Handy Air Sampler	1	2	0.93

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified	Sampling Instrument	Airborne Contamination		Average conc.	
	contaminant	Used	No. of samples	Range	mg/Nm³	
1	2	3	4	5	6	7
3	PAC Powder New	NOx	Handy Air Sampler	1	2	0.33

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ⁸	IS 5182(Part 6): 2006	=	The result is within the limit.	For	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation			Sampling	Airborne Contamination		Average conc.
mentioned	Instrument Used		No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	PAC Powder New	Hydrogen Chloride(HCL)	Handy Air Sampler	1	2	0.10

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
F	APHA 23 rd Edition 4500 CI-C	9	4	For &	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		contaminant Instrument U:		Airborne Contamination		Average conc.
S.No. Operation mentioned	Instrument Used		No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	PAC Powder New	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	IS 5182(Part 19): 1982		The results is within the limits.	For M	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contemination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m	
1	2	3	4	.5	6	7	
į.	PAC Powder Old	Total Dust	Handy Air Sampler	1	2	0.80	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking semples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	15 5182(Part 4): 1999	-		For	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation			Sampling Instrument	Airborne Contamination		Average conc.
mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7
2	PAC Powder Old	SO ₂	Handy Air Sampler	1	2	0.85

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ⁸	IS 5182(Part 2): 2001	-	The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation Identified Sampling instrumen	Sampling Instrument	Airborne Contamination		Average conc.
mentioned contain	contaminant		No. of samples	Range	mg/Nm ²	
1	2	3	4	5	6	7
3	PAC Powder Old	NOx	Handy Air Sampler	1	27	1.23

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ²	IS 5182(Part 6); 2006		The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation			Sampling	Airborne Contamination		Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	PAC Powder Old	Hydrogen Chloride(HCL)	Handy Air Sampler	1	9	0.09

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	-	-	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling			Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	PAC Powder Old	Chlorine (Cl ₂)	Handy Air Sampler	1	2	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For 🖔	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation	V	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m³	
1.	2	3	4	5	6	7	
1.	ALCP Plant	Total Dust	Handy Air Sampler	1	4	0.81	

TWA conc. (ss given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	-11	12	13
10 mg/m ²	1S 5182(Part 4): 1999			For	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2. Raw Material by products and linished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling Instrument Used			Average conc
	mentioned	contaminant		No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
2	ALCP Plant	SO ₂	Handy Air Sampler	1		0.68

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant.
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling Instrument Used	strument		Average conc
J.110.	mentioned	contaminant		No. of samples	Range	mg/Nm ³
1	2	3	4	5	- 6	7
3	ALCP Plant	NOx	Handy Air Sampler	1	•	1.09

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6): 2006	-	The result is within the limit.	For	MR, VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Conta	amination	Average conc.
	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	ALCP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	ū	0.13

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
12	APHA 23 rd Edition 4500 CHC		(4)	For B [®]	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Contamination		Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	ALCP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11 ,	12	13
9 mg/m ³	IS S182(Part 19): 1982		The results is within the limits.	For §\(\)	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2. Raw Material, by products and finished products Involving in the process :
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne C	ontamination	Result
S.No.	mentioned	Identified contaminant	Üsed	No. of samples	Range	mg/m ³
1.	2	3	4	5	6	7
1	Chemical Dosing Area	Total Dust	Handy Air Sampler	4		0.75

TWA conc. (89 given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 5182(Part 4): 1999			For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Identified Sampling Instrument Operation contaminant Used	Airborne Contamination		Average conc.		
J. 131		Used	No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7
2	Chemical Dosing Area	SO ₂	Handy Air Sampler	1	8	0.81

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
В	9	10	11	12	13
5 mg/m ^a	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling Instrument	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
3	Chemical Dosing Area	NCx	Handy Air Sampler	1		1,12

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
В	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006		The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified			Average conc.	
oo.	mentioned	contaminant In	and place to the control of the cont	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	Chemical Dosing Area	Hydrogen Chloride(HCL)	Handy Air Sampler	1	82	0.22

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
1	APHA 23 rd Edition 4500 CI-C	-	*	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Contamination		Average conc.
5.110.	mentioned	contaminant	aminant Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	Chemical Dosing Area	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m ³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne C	ontamination	Result
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m
1	2	3	4	5	6	7
1	CPW (Paraffin Storage area)	Total Dust	Handy Air Sampler	1		0.70

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	•		For K	MR. VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paralfin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	eration Identified Sampling Instrument		amination	Average conc	
	mentioned	contaminant	Useu	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
2	CPW (Paraffin Storage area)	SO ₂	Handy Air Sampler	1	2	0.79

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR, VIMAL CHAUHAN

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	on Identified Sampling Instrument		amination	Average conc	
	mentioned	ned	5300	No. of samples	Renge	mg/Nm ³
1	2	3	4	5	6	7
3	CPW (Paraffin Storage area)	NOx	Handy Air Sampler	1		1.01

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 6): 2006	-	The result is within the limit.	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	1000 To 1000 T		Average conc.
mentioned	Contaminant	Instrument Osed	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	CPW (Paraffin Storage area)	Hydrogen Chloride(HCL)	Handy Air Sampler	1.	2	0.20

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
*	APMA 23 rd Edition 4500 CI-C	-	. *	For	MR. VIMAL CHAUHAN

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

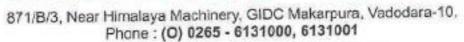
- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Identified Sampling Airborne Contan		amination	Average conc.
mentioned	Contaminant	and the same of th	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	CPW (Paraffin Storage area)	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	(S 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material by products and finished products involving in the process:
- 3. Particulars of sampling

Location / Operation			Sampling Instrument	Airborne Co	noitemination	Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	CA Plant	Total Dust	Handy Air Sampler	31		0.81	

TWA cont. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	15 5182(Part 4): 1999	-		For	MR. VIMAL CHAUHAN

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

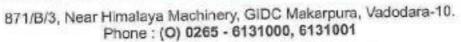
- Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- Particulars of sampling

	Location /	Identified	Sampling Instrument	Airborne Contamination		Average conc
S.No.	Operation mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
2	CA Plant	SO ₂	Handy Air Sampler	1	×	0.13

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	contaminant	No. of samples		Range	mg/Nm³	
1	2	3	4	5	6	7
3	CA Plant	NOx	Handy Air Sampler	3	*	0.29

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006		The result is within the limit.	For	MR. VIMAL CHAUHAN

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	No. of samples			Range	mg/m³	
1	2	3	4	5	6	7
4	CA Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	64	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5.	APHA 23 rd Edition 4500 CI-C		27	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

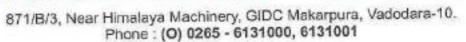
- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		contaminant Ins	Sampling	Airborne Contamination		Average conc.
mentioned	Instrument Used		No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	CA Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182[Part 19): 1982		The results is within the limits.	For	MR, VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material by products and finished products involving in the process:
- 3. Particulars of sampling

Location / Operation			Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m ³	
1	2	3	4	5	6	7	
1	SBP Plant	Total Dust	Handy Air Sampler	1	14	0.75	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ⁸	IS 5182(Part 4): 1999	**	*	For	MR. VIMAL CHAUHAN

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	No. of samples			Range	mg/Nm ²	
1	2	3	4	5	6	7
2	SBP Plant	SO ₂	Handy Air Sampler	1		0.25

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2); 2001	2	The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant. SBP Plant.
- 2. Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified Sampling Instrument contaminant Used	Airborne Contamination		Average conc.	
mentioned	contaminant	Used	No. of samples	Range	mg/Nm³	
1	2	3	4	5	6	7
3	SBP Plant	NOx	Handy Air Sampler	1		0.38

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (In Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006		The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant.
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling Testament Used	Airborne Contamination		Average conc.
	mentioned	contaminant	taminant Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	SBP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	11 (4)	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C	-	*	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Operation Identified Sampling		amination	Average conc.	
	mentioned contaminan	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	SBP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1	22	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	tŠ 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

C. 11-	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	PAC Powder New	Total Dust	Handy Air Sampler	11		0.73	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ¹	IS 5182(Part 4): 1999	-	*	For	MR. VIMAL CHAUHAN

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Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		Operation Identified Si	Sampling Instrument	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
2	PAC Powder New	SO ₂	Handy Air Sampler	1	-	0.18

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation			Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	Contaminant	Used	No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7
3	PAC Powder New	NOx	Handy Air Sampler	1		0.33

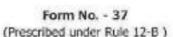
TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6): 2006		The result is within the limit.	For	MR, VIMAL CHAUHAN

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Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	ration contaminant Instrument Used		amination	Average conc	
mentioned		and differe odes	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
.4	PAC Powder New	Hydrogen Chloride(HCL)	Handy Air Sampler	1	-	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CHC	18		For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

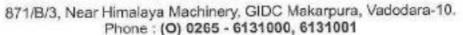
- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation mentioned		Sampling	Airborne Contamination		Average conc.	
		Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	б	7
5	PAC Powder New	Chlorine (Cl₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982	-	The results is within the limits.	For	MR, VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

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Register containing particulars of monitoring of working environment required under section 7-A(s)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

ener.	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	PAC Powder Old	Total Dust	Handy Air Sampler	1		0.80	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	4		For	MR. VIMAL CHAUHAN

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Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2. Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified Sampling Instrument contaminant Used	Airborne Contamination		Average conc		
	contaminant	Used	No. of samples	Range	mg/Nm²	
t	2	3	4	5	6	7
2	PAC Powder Old	5O ₂	Handy Air Sampler	1		0.20

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

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(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Location / Operation mentioned	ion contaminant Used	Airborne Contamination		Average conc.		
	contaminant	Usea	No. of samples	Range	mg/Nm³	
1	2	3	4	5	6	7
3	PAC Powder Old	NOx	Handy Air Sampler	4		0.48

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	-	The result is within the limit.	For	MR, VIMAL CHAUHAN

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Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Operation mentioned	Identified Sampling contaminant Instrument Used	Airborne Contamination		Average conc.		
	contaminant	Instrument Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
4	PAC Powder Old	Hydrogen Chloride(HCL)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CI-C		8	For	MR. VIMAL CHAUHAN

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Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation mentioned	Identified Sampling	Airborne Contamination		Average conc.		
		motument oseu	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7
5	PAC Powder Old	Chlorine (Cl ₂)	Handy Air Sampler	1	(*)	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHALIHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

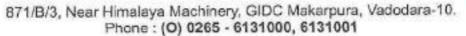
- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	ALCP Plant	Total Dust	Handy Air Sampler	1	4	0.85	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	-	E	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified Sampling Instrument Airborne Contaminati		amination	Average conc	
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
2	ALCP Plant	SO ₂	Handy Air Sampler	1	14.7	0.23

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ⁸	IS 5182(Part 2): 2001	128	The result is within the limit.	For	MR. VIMAL CHAUHAN

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Form No. - 37 (Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant.
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	TOTAL		amination	Average conc
0.1101	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ²
1	2	3	4	5	6	7
3	ALCP Plant	NOx	Handy Air Sampler	1	*	D.41

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	8	The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling Instrument Used	Airborne Contamination		Average conc.
J.Ho.	mentioned	ned contaminant in		No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	ALCP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	×	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
-	APHA 23 rd Edition 4500 CI-C		25	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

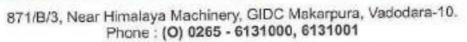
- 1. Name of the Department/Plant. ALOP Plant
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	eration Identified Sampling		amination	Average conc.	
S.Mo.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	ALCP Plant	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(s)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m ³	
1	2	3	4	5	6	7	
1	Chemical Dosing Area	Total Dust	Handy Air Sampler	1.	×	0.69	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 5182(Part 4): 1999	+		For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

Location / S.No. Operation		THE THEORY OF THE PARTY OF THE	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	contaminant	No. of samples		Range	mg/Nm³	
1	2	3	4	5	6	7
2	Chemical Dosing Area	SO ₂	Handy Air Sampler	1	*	0.28

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001	*	The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation contaminant Sample	Sampling Instrument	Airborne Contamination		Average conc.
5.NO.	mentioned	contaminant	Used	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
3	Chemical Dosing Area	NOx	Handy Air Sampler	1	*	0.57

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6): 2006	*	The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process;
- 3. Particulars of sampling

S.No.	Location / Operation	Identified	Sampling	Airborne Conta	amination	Average conc.
mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m ³	
1	2	3	4	5	6	7
4	Chemical Dosing Area	Hydrogen Chloride(HCL)	Handy Air Sampler	1	*	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CJ-C	*)		For	MR. VIMAL CHAUHAN

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Form No. - 37

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Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

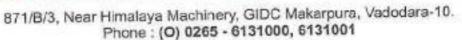
- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation contaminant Instrumen	Sampling	Airborne Contr	amination	Average conc
3.NO.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	Chemical Dosing Area	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182 Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

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(Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(s)(e)

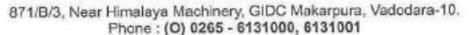
- Name of the Department/Plant, CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contamination		Result	
S.No.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
1	CPW (Paraffin Storage area)	Total Dust	Handy Air Sampler	1	12	0.77	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999		E.	For	MR. VIMAL CHAUHAN

An ISO 9001-2015 Certified Company

(MoEF Approved)





ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Operation Identified Sampling Instrument	Airborne Contamination		Average cone.	
	mentioned		3000	No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
2	CPW (Paraffin Storage area)	SO ₂	Handy Air Sampler	4		0.22

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 5182(Part 2): 2001		The result is within the limit.	For	MR. VIMAL CHAUHAN

An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cont	amination	Average conc
	mentioned			No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	CPW (Paraffin Storage area)	NOx	Handy Air Sampler	a		0.39

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 6): 2006		The result is within the limit,	For	MR. VIMAL CHAUHAN

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871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10. Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cont	amination	Average conc
CONCROR	mentioned	Contaminant	This difference Osed	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	CPW (Paraffin Storage area)	Hydrogen Chloride(HCL)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 rd Edition 4500 CFC	-	2	For	MR, VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cont	amination	Average conc
	mentioned	Concaminant	msd unient useu	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	CPW (Paraffin Storage area)	Chlorine (Cl ₂)	Handy Air Sampler	1		N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982	-	The results is within the limits.	For	MR, VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - MICROBIOLOGY

REPORT NO.: JUL22/082/05(ULR- TC709922000014418F)

SAMPLE DETAILS

1.	Name & Address of Client : M/s. Voltas Ltd., Siddhi Industrial Estate, Waghodia GIDC, Vadod	ara, Gujarat.	
2.	Sample ID:2149738246 - 0823U22EF01	8.	Client Representative: Mr. Naveen Goyal
3.	Sample Date: 27.07.2022	9.	Sample Collected By: Mr.Ronak
4.	Packing Condition & Quantity: Sealed √	10.	Discipline: Biological
5.	Analysis commenced on: 29.07.2022	11.	Group: Environment and Pollution
6.	Analysis Completed on: 01.08.2022	12.	Product: STP Inlet
7.	Reporting Date: 05.08.2022	13.	Sampling Method: IS 1622
14.	Sampling Location: STP Inlet	15.	Sample Received Date : 29.07.2022

TEST RESULTS

<u>s.</u> No,	Parameters	Results	Unit (SI)	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Fecal Coliform Bacteria	: 1600	MPN /100ml	N.A.	APHA 23 rd Edition (9221 C, E)
Remar	MITO.				
Author	rised By-		Taxwa ex		
Name:	Priyanka Kotak		Design	ation: Microbiologis	t

NOTE:

- Reports may be reproduced, if required, but only in full and only with written approval of the laboratory. Re-sampling may be done; if required, with written approval of the laboratory. The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - MICROBIOLOGY				
DOC. NO.: LAB-FMT-217	Issue No.: 01	" Revision No.: 01		
Effective Date: 01.03.2021	Issue Date: 01.07.2020	Revision Date: 01.03.2021		

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - MICROBIOLOGY

REPORT NO.: JUL22/082/05(ULR-TC709922000014418F)

SAMPLE DETAILS

1.	Name & Address of Client : M/s. Voltas Ltd., Siddhi Industrial Estate, Waghodia GIDC, Vadod	ara, Gujarat.	
2.	Sample ID:2149738246 - 082JU22EF01	8.	Client Representative: Mr. Naveen Goyal
3.	Sample Date: 27.07.2022	9.	Sample Collected By: Mr.Ronak
4.	Packing Condition & Quantity: Sealed √	10.	Discipline: Biological
5,	Analysis commenced on: 29.07.2022	11.	Group: Environment and Pollution
6.	Analysis Completed on: 01.08.2022	12.	Product: STP Inlet
7.	Reporting Date: 05.08.2022	13.	Sampling Method: IS 1622
14.	Sampling Location: STP Inlet	15.	Sample Received Date : 29.07.2022

TEST RESULTS

S. No.	Parameters	Results	Unit (SI)	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Fecal Coliform Bacteria	: 1500	MPN /100ml	N.A.	APHA 23" Edition (9221 C, E)
Remar	k:	-1.0	-		
Author	rised By-		- 1931		
All and the last of the	Priyanka Kotak		DV. A2511	ation: Microbiologis	

NOTE:

- 1) Reports may be suproduced, if required, but only in full and only with written approval of the laboratory.
- Re-sampling may be done, if required with written approval of the laboratory.
 The results reported above relate to the sample identified under Sample Details.
- END OF REPORT

	TEST REPORT FORMAT - MICROBI	OLOGY
DOC. NO.: LAB-FMT-217	Isoue No.: 01	Revision No.: 01
Effective Date: 01.03.2021	Issue Date: 01.07.2020	Revision Bate: 01.03.2021

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant
- 2.Raw Material by products and finished products involving in the process:
- 3. Particulars of sampling

	Location / Operation		Sampling Instrument	Airborne Contamination		Result
S.Na.	mentioned	Identified contaminant	Used	No. of samples	Range	mg/m²
1	2	3	4	5	6	7
1	CMS Plant	Total Dust	Handy Air Sampler	1		0.72

TWA conc. (as given in 2nd Schedule)		Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 5182(Part 4): 1999		۵	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation			Sampling Instrument	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	CMS Plant	SO ₂	Handy Air Sampler	1	*	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 2): 2001	=	The result is within the limit.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, CMS Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Location / S.No. Operation		Identified	Sampling Instrument	Airborne Contamination		Average conc.
0.1.00	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
3	CMS Plant	NOx	Handy Air Sampler	1	Œ	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (In Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 6): 2006	-	The result is within the limit.	For	MR. VIMAL CHAUHAN

KADAM ENVIRONMENTAL CONSULTANTS Mental Consultants

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ENVIRONMENTAL MONITORING REPORT

Form No. - 37 (Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No. Location / Operation	Identified Sampling	5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Airborne Contamination		Average conc.	
5.1101	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	CMS Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	1	*	N.D.

conc. (given 2nd Schedu	as Reference in Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
- в	9	10	11	12	13
-	APHA 23 rd Edition 4500 CI-C	15	16.	For	MR. VIMAL CHAUHAN

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ENVIRONMENTAL MONITORING REPORT

W

Form No. - 37 (Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant
- 2.Raw Material, by products and finished products involving in the process;
- 3. Particulars of sampling

Location / S.No. Operation			Sampling	Airborne Contamination		Average conc.
5.110.	mentioned	contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	CMS Plant	Chlorine (Cl ₂)	Handy Air Sampler	1	*	N.D.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
В	9	10	11	12	13
9 mg/m³	IS 5182(Part 19): 1982		The results is within the limits.	For	MR. VIMAL CHAUHAN

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. GA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result
0.140.	mentioned	idenuised contaminant	Used	No. of samples	Range	mg/m ³
1	2	3	4	5	6	7
1	CA Plant	Total Dust	Handy Air Sampler	:1	+0	88.0

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	-	*	For	MR. JAVED HAVELIWALA

Form No. - 37 (Prescribed under Rulé 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1 Name of the Department/Plant CA Plant
- 2 Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation montioned	Identified contam:nant	Sampling Instrument Used	Airborne Contamination		Average conc.
				No. of samples	Range	mq/Nm³
1	2	3	4	5	6	7
2	CA Plant	SO;	Handy Air Sampler	1		O.4B

TWA conc. (se given in 2nd (Schedule)	Number of workers exposed at the location being monitored		Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11,	12	13
5 mg/m³	IS 5J 82 (Part 2). 2001	I I I I I I I I I I I I I I I I I I I		P. Company	MR TAVED HAVELTWALA

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant CA Plant
- 2 Raw Material by products and freshed products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	idemified contaminant	Sampling Instrument Used	Alrborne Cor	taminetion	Average conc.
	mentioned	5334	No. of samples	Range	mg/Nm³	
1	2	3	4	5	6	7
3	CA Přont	NÓX	Handy Air Sampler	1	-	0.55

TWA conc. (ss given in 2nd Schedule)	Reference Welhod	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mig/mm²	IS 5182(Part 6). 2006		The result is within the liphit.	For P	MR TAVED HAVELIWALA

Work Flace Monitoring dong at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20:09:2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CA Plant.
- Z.Raw Material,by products and trinshed products involving in the process :
- 3 Farticulars of sampling

5.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Con	Airborne Contamination	
	benotinem			No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	CA Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	J	-	0.95

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
-	APHA 23 rd Eddion 4500 CHC			For (3)	MR, JAVED HAVELTWALA

Work Place Monitoring done at M/s. Graslm Industries Ltd. (Chemical Division, Dahej) in the month of September → 2022 by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of maniforing of working environment required under section 7-A(α)(α)

- 1. Name of the Department/Plant. CA Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
	mentioned			No. of samples	Ra n ge	mg/m³
1	2	3	4	5	6	7
5	CA Plant	Ottorine (C ₂)	Handy Air Sampler			N,O.

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	†D	1)	12	13
ωύ\μ _γ δ	IS 5382(Part, 19): 1582		The results is within the limits.	F3 (1)	MR. JAVĽD HAVELJWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahe)) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Form No. - 37

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant SBP Plant
- 2.Raw Minjerfol,by products and finished products involving in the process :
- 3. Particulars of sampling

5.No.	i ——	identified contaminant	Sampling Instrument	Airborne Contamination		Result
J.710.			Used	No. of tamples	Range	mg/m ¹
1	2	ş.	4	5	Б	7
1	SBP Plant	Total D ust	Handy Air Sampler	1	-	073

TWA conc. (as given in 2nd Schedule)		Number of workers exposed at the location being mondored	Remarks	Signature of person (ahing esymples	Name (in Błock Lelier)
8	8	10	11	12	13
10 mg/m²	LS S182(Part 4): 1999	-		Por A	MÀ. IAVED MÀVELIMALA

Work Place Monitoring done at M/s. Grasim Industries Eld. (Chemical Division, Daney) in the inventorin Suprember - 2022 by Kadam Environmental Consultants. Valodara (Date 20.09.2022)

Register containing perticulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant SBP Plant
- 2.Raw Material by products and Inished products involving in the process.
- 3. Particulars of sampling

S.No.	Cocalion / Operation	identified contaminant	28mbilled instrument	Alrborne Contemination		Average cone.
mentioned	Comaninam		No. of samples	Range	mg/Nm²	
1	2	3	4	5	6	7
5	SBP Plank	50)	Handy Air Samplei	1		0.63

TWA conc. (28 given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person (aking semples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m³	(\$ 5162(Part 7): 290)		The result is within the limit.	For (4)	MA MAVIED HAVELTIVALA

Work Place Monitoring done at Mys. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20 99 2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2.Raw Materia by products and finished products involving in the process.
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cor	Airborne Contemination	
	mentioned	0.000	No. of samples	Range	rhg/Nm³	
1	2	3	4	5	6	7
3	SEP Plant	NOx.	Handy Air Sampler	1		0 68

TWA conc. (25 given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Mame (in Block Letter)
B	ė	10	11	12	13
6 mg/m²	(S 5187(Part 6)- 2006	-	The result is within the limit.	For	MMR)AVAFO HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadamiënvironmental Consultants, Vadodava. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. SBP Plant
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling	Airborne Contamination		Average conc
SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	mentioned	Contaminant	Instrument Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	SBP Plant	Hydrogen Chloride(HCL)	Handy Air Sampler	i	8	0.30

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
-	APHA 23 rd Edition 4500 CI-C		-	For O	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(c)

- 1. Name of the Department/Plant S8P Plant
- 2.Raw Material, by products and fmished products involving in the process :
- 3. Particulars of sampling

S,No.	Location / Operation	Identified contaminant	Instrument Used	Airborne Contamination		Average conc.
	mentioned	Contaminant		No. of samples	Range	mg/m³
<u>i</u>	2	3	4	5	6	7
5	SBP Plant	Chilorine (Cl ₂)	Nandy Air Sampler	1	-	N.D

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
\$	g	10	11	12	13
o mg/m³	5 5182 9an 19>- 1982		The results is within the limits.	<u>*</u>	MR. JAVED HAVEL WALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Oahej) in the month of **September - 2022** by Kazam Environmental Consultants, Vadedara. (Date 20.39.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1 Name of the Department/Plant, PAC Powder New
- 2.Raw Material, by products and linishes products involving in the process
- 3. Particulars of sampling

9.No.	Location (Operation	Identified contaminant	Sampling Instrument	Al-bome	Resul	
33.0.	mentioned	Exercise Consideration	Ųsed	No. pl .eamples	Range	mg/m¹
1	2	3	4	5	6	7
1	РАС Ромфет Пем	Yotal Dust	Handy Air Samples	1	-	080

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of parson toking samples	Name (in Block Letter)
8	2	18	11	12	13
10 mg/m³	IS 5182(Part 4)- 1999		-	ra P	MBL JAVED SHAVER DVALA

Work Pisca Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahel) in the month of September - 2022 by Kadam Finimistranyal Consultants, Vacodara. (Date 70.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant. PAC Powder New
- 2 Raw Material, by products and finished products involving in the process .
- 3. Particulars of sampling

S.No.	Location / Operation	Identified confaminant	Sampling Instrument Used	Alreading Contemination		Average conc.
	inentioned	Complimizati		No. of samples	Range	mg/Nm³
1	2	3	4	5	¢	7
2	PAC Founder New	50,	-tandy Air Sample:	•	-	0 .5D

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Lotter)
8	9	10	11	12	13.
5 mg/m³	IS \$182(Part 2): 2001		The result is withen the limit.	For (fg)	MR. JAVED HAYEL!WALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahe) In the month of September - 2022 by Kadam Environmental Consultants, Vadodara. (Date 20 09 2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant PAC Powder New
- 2 Raw Materia , by products and finished products involving in the process :
- 3 Particulars of sampling

S No.	Location / Operation	identified contaminant	Sampling Instrument Used	Airborne Contamination		Average cont.
	mentioned	V-SATE INTERIOR		No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
э	PAC Powder New	MOx	Handy Ar Samples	1		0.00

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking semples	Name (in Block Letter)
Я	9	10	11	12	13
6 mg/m³	PS 5182(Part 6); 2006	-	The result is within the limit.	For A	MR. JAVIED Haveliwala

Work Place Monthsing done at M/s. Grasim Industries Ltd. (Chemical Division, Dahe) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.39.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- L. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process .
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Instrument Used	Airborne Contamination		Average conc.
	mentioned	- Carrian Inna		No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	PAC Powder New	Hydrogen Chloride(HCL)	Handy Air Sampler	1		0.43

TWA conc. (28 given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23 ¹⁶ Edition 45 00 CF-C			G. G.	MR. JAVED HAVELIVJALA

Work Place Monitoring done at M/s. Gras in Industries Ltd. (Chemical Division, Dahej) in the month of September - 2022 by Kadam Environmental Consultants, Vadodara. (Cate 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder New
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling.

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airboine Contamination		Average conc.
	mentioned	Cumaninani	Instrument Oses	No. of samples	Range	mg/m³
1	2	3	4	5	- 6	7
5	PAC Powder New	Chlodne (Cl₂)	:llandy Air Sample:	1	-	N.O.

TWA conc. (se given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Latter)
8	9	10	11	12	#3
மிரி _{ரப} ்	/S 5182(Part 19): 1982	-	The results is within the limits.	For (g)	MR. JAVED MAVELTWALA

Work Place Monitoring done at M/s. Grasan Industries Ltd. (Chemical Division, Dahe) in the month of **September • 2022** by Kadam Environmental Consultants, Vadodars. (Date 20.09.2022)

Form No. - 37

(Prescribed under Rule 12-B.)

Register containing particulars of monitoring of working environment required under section 7-A(e)(e).

- Name of the Department/Plant PAC Powder Old.
- 2.Rave Material, by products and firmshed products involving in the process :
- 3. Particulars of sampling.

S.No.		Identified contaminant	Sampling Instrument	Airborne	Result	
J.NG.	mentioned	identifies dantalificati	Used	No. of samples	Range	mg/m ^l
1	2	3	4	5	ß	7
1	PAC Powder Old	Total Dust	Handy Air Sampler	1		0 79

	WA conc (sa given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Bignature of person taking samples	Name (in Block Letjer)
	8	Ŗ	10	11	12	13
ľ L	10 mg/m²	IS 5182(Part 4): £999	-		For A	MR. JAVED NAVELIWALA

Wolk Place Monitoring done of M/s. Crasim Industries Ltd. (Chemical Division, Dahe) in the month of September - 2022 by Kadani Environmental Christianis, Vadridata. (Care 20.09.2022)

Register containing particulars of monitoring of working environment regulard under section 7-A(a)(a)

- 1. Name of the Department/Plant. PAC Powder Oid.
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

Ş.No.	Location / Operation	Identified contaminant	Sampling instrument Used	Airborne Contamination		Average conc.
ļ	mentioned	44/44	0360	No. of samples	Range	mg/Nm ³
1	2	3	4	5	6	7
2	PAC Powder ()Id	5O ₂	Handy Air Sampler	1	-	0.51

TWA cone. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	ę .	10	11	12	13
5 mg/m³	IS 5182(Part 2): 2003	-	The result is within the limit.	FOT (4) .	MR. MVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dehej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodava. (Date 20.09 2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	mentioned	Commitment		No. of samples	Range	mg/Nm³
1	2	3	4	5	6	7
3	PAC Powder Old	NOx	Handy Air Sampler	1	*	0.58

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m³	IS 5182(Part 6): 2006	-	The result is within the limit.	For A	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.Mo.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
<u> </u>	mentioned			No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	PAC Powder Old	Hydrogen Chloride(HCL)	Pandy Air Sa mpl er	1	-	9.40

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Slock Letter)
8	9	10	11	12	13
-	APHA 23 rd Edition 4500 CI-C	-	-	For (B)	MR JAVED HAVELTVALA

Work Place Monitoring done at M/s. Grashm Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Karlam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. PAC Powder Old.
- 2.Rew Material, by products and finished products involving in the process :
- 9. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
İ	mentioned		instrument used	No. of samples	Range	mg/m³
1	. 2	3	4	5	- 6	7
5	PAC Fowder Old	Chlorine (Cl ₂)	Handy Air Sampler	1	-	N.D.

TWA conc. (88 given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 ing/m ⁴	(5 5182)Paut 19(+ 7982		The results is within the limits.	for ©	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s. Gracim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara (Date 20.39.2022)

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2. Raw Material, by products and finished products involving in the process:
- 3. Particulars of sampling

C 11.	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result
S.No.	mentioned	identified contaminant	Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
1	ALCP Plant	Total Dust	Handy Air Sampler	1		0.69

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Leiter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999		(8)	For	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s: Grasim Industries Ltd. (Chemical Division, Dahej) in the month of September - 2022 by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant ALCE Plant
- 2 Raw Material, by products and finished products involving at the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Cod	namination	Average cone.
	mentioned	00,110,111,111		No. of samples	Range	mgf\mu ³
1	2	3	4	5	6	7.
2	ALCP Plant	SO ₂	Handy Air Sample:	ī		0.58

TWA conc. (as given in 2nd Schedule)	Reference Mathod	Number of workers exposed at the location being moretored	Remarks	Signature of person taking samples	Name (in Block Lolter)
	9	10	11	12	13
5 mg/m ²	15 5182(Part 2): 2001	-	The result is within the Ilmit.	For	MI JAVED HAVFI JWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahei) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant.
- 2.Raw Material, by products and finished products involving in the process
- 3. Particulars of sampling

S.No,	S.No.	Location / Operation	Identified	Sampling Instrument	Airborne Contamination		Average conc.
	mentioned	contaminant	Used	No. of samples	Range	mg/Nm ³	
1	2	3	4	5	6	7	
3	ALCP Plant	NOx	Handy Air Sampler	1		0.60	

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
6 mg/m ³	IS 5182(Part 6): 2006	F.	The result is within the limit.	For A	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- E. Name of the Department/Plant. ALCP Plant.
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

5.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
	mestioned	Containing	Ziiou Giidik Vodu	No. of samples Range mg/	mg/m³	
1	2	3	4	5	6	7
۷	ALCP Plant	Hydrogen Ohlorice(HCL)	Hardy Air Sampler	l.	-	0.28

TWA conc. (se gwen in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	АРНА 23 rd Edition 4500 CI-C			For 🌾	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grashin Industries Ltd. (Chemical Division, Dahej) in the month of September - 2022 by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. ALCP Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Con	taminetion	Average conc.
	mentioned	Commission		No. of samples	Range	mg/m³
1	2	3	4	5	6	7
5	ALCP Plant	Chiorine (Cl ₂)	Handy Air Sample	J	-	N.D.

TWA cons. (ar given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
9 ing/m³	15 5182(Part 19); 1984;	-	The results is within the limits.	For	MR. JAVOD HAYELTWALA

Work Place Monitoring done at M/s. Gradim Industries Ltd. (Chemical Division, Dahe)) in the month of **September - 2022** by Kadami Environmental Consultants, Vadodara (Date 20.09 2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Flant. Chemical Dosing Area
- $2.\mbox{Kaw}$ Material,by products and finished products anyolving in the process :
- 3. Particulars of sampling

	···· · · · · · · · · · · · · · · · · ·				· ,	
Ś.Na.	Location / Operation	Identified contaminant	Sampling Instrument	Airbome	Restil	
	mentioned		Usad	No. of seprotes	Range	wċ _l w ₁
•	2	3	đ	5	6	7
1	Chemical Dosing Area	Total Dust	Handy Air Şamplei	1	-	D 7G

giver	conc (es n in 2nd nadule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Slock Letter)
	8	В	10	11	12	13
10	mg/m³	'S \$182(Part 4): 1999			Fur A	MR JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries (td. (Chemical Division, Dahe)) in the month of September - 2022 by Kaclani Environmental Consultants, Vededara, (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process:
- 7. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
mentioned	contaminant	Useu	No. of samples	Range		
1	2	3	4	5	6	7
2	Chemical Dosing Area	SO ₂	Handy Air Sampler	1		0.68

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
5 mg/m ³	IS 5182(Part 2): 2001	*	The result is within the limit.	For	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of September - 2022 by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant Chemical Dosing Area.
- 2.Raw Material by products and finished products involving in the process
- 3. Particulars of sampling.

S.No.	Location / Operation	identified sentaminant	Sampling Instrument	- I		Average conc.
	mentioned			No. of samples	Range	mg/Nm ³
1	2	3	. 4	5	6	7
સ	Chemical Dotting Area	NO ₂	Handy Alir Sampler	1	•	. 0.71

TWA cone (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block - Lutter)
1	9	10	11	12	13
6 mg/m²	IS 5182(Part 6)· 2006		The result is within the limit.	tor (A)	MR JAVED HAVELJWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahoj) in the month of September - 2022 by Kadam Environmental Consultants, Vadodars. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
	mentioned			No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	Chemical Dosing Area	Hydrogen Orforide(HCL)	Hancy Air Sampler	1	-	0.48

TWA conc. (as given in 2nd Schadule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APNA 23 rd Edition 4500 GHL	-		For A	MR. JAVED HAVELIYVALA

Work Place Monitoring done at M/s, Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. Chemical Dosing Area
- 2.Raw Material, by products and finished products involving in the process :
- 3, Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.
ľ	mentioned	CLEASINIAIN	1	No. of samples	Range	mg/m ³
<u>i</u>	2	3	4	5	6	7
5	Chemical Doswy Area	Chlorine (Q_2)	Handy Air Sampler	L	-	N.D.

TWA cone. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	ġ	10	11	12	13
9 mg/m³	IS 5182(P act 19): 1982	-	The results is within the limits.	For A	MR. JAVEO HAYELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vaccobara. (Date 20 09:2022)

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contamination		Result
	mentioned			No. of samples	Range	mg/m ³
1	2	3	4	5	6	7
1	CPW (Paraffin Storage area)	Total Dust	Handy Air Sampler	4	2	0.88

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	19	*	For	MR. JAVED HAVELIWALA

Work Place Monitoring done at M/s, Grasim Industries Ltd. (Chemical Division, Dahej) in the month of September - 2022 by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process:
- Particulars of sampling.

S.No.	Location / Operation	identified contaminant	Sampling Instrument	Airborne Contamination		Averege conc
ļ	mentioned		2344	No. of samples	Renge	mg/Nm ⁺
1	2	3	4	5	6	7
2	CPW (Parattin Storage area)	5O ₂	Handy Air Sampler	1		0.85

TWA cond (48 given in 2nd Schedule)	Reference Method	: Number of workers exposed at the focation being monitored	Remarks	Signature of person taking samples	Name (in Block ; Le(ter)
8	Ð	10	11	12	13
10 mg/m³	IS \$102(Part 2): 200:	-	The result is within the limit.	ror Al-	MR JAVED HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahe)) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant CPW (Paraffin Storage area).
- 2.Raw Material,by products and finished products involving in the process :
- 1. Particulars of sampling

				- 1		
9.No.	Location / Operation	identified contaminant	Sampling Instrument Used			Average conc.
Ì	mentioned	•	1 1	No. of samples	Range	mgfNm³
1	2	3	4	5	6	7
3	OPW (Paraffin Storage area)	MCx	Handy Ali Sampler	1	•	0 55

TWA cond (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being moultared	Remarks	Signature of person taking samples	Martie (in Block Letter)
8	9	10	11	12	13
10 mg/m³	IS 51 8 2(Part 6): 2006		The result is within the limit.	For	MR. JAVED HAVELIWAEA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of September - 2032 by Kadam Environmental Consultants, Vadodara. (Date 20 09:2027)

Register containing particulars of monitoring of working environment required under section 7-A(a)(a)

- 1. Name of the Department/Plant. CPW (Paraffin Storage area)
- 2.Raw Material, by products and finished products involving in the process :
- Particulars of sampling.

S.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborne Contemination		Average conc.
	mentioned	Contaminant		No. of samples	Range	mg/m³
1	2	3	4	5	6	7
4	CPW (Paraffin Storage area)	Hydrogen Chloride(HCL)	Handy Air Sampler	1		0.31

TWA conc. (as given in 2nd Schedule)	Reference Method	Humber of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
	APHA 23° Edition 4500 Cl-C			For Ap	MR. JAVED HÁVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadami Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- Name of the Department/Plant. CPW (Paraffin Storage area).
- 2,Raw Material,by products and finished products involving in the process :
-). Particulars of sampling

5.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airborné Contamination		Average conc.
	mentioned			No. of samples	Range	mg/m²
1	2	3	4	5	Ğ	7
. 5	CPW (Paraffin Storage area)	Chlonne (Ci₂)	Handy Air Sampler	1		N.D.

TWA conc. (29 given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
£	9	10	11	12	13
g mg/m³	IS 5182(Part 19): 1447	-	The results is within the limits.	Foi (A)	MR. JAVED HAVELTWALA

Work Piece Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of September – 2022 by Kadam Environmental Consultants, Vadocara. (Data 20.09 2022)

Form No. - 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant.
- 2. Raw Material, by products and finished products involving in the process :
- 3. Particulars of sampling

S.No. Local	Location / Operation	Identified contaminant	Sampling Instrument	Airborne Contamination		Result
3.NO,	mentioned	roentined contaminant	Used	No. of samples	Range	mg/m³
1	2	3	4	5	6	7
1	CMS Plant	Total Dust	Handy Air Sampler	1	19	0.85

TWA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
10 mg/m ³	IS 5182(Part 4): 1999	(8)		For A	MR. JAVED HAVELIWALA

Work Flace Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultants, Vedodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant.
- 2 Raw Material, by products and finished products involving in the process.
- 3. Particulars of sampling

S.No.	Location / Operation	(dentified	Sempling Instrument	empling instrument Used Airborne Contamination		Average conc.
	mentioned			No. of samples	Range	mg/3lm³
1	2	3	4	5	6	7
2	CMS Plant	\$O ₂	Handy Air Samples	1	-	Ø 81

TWA conc. (as given in 2nd Schedule)	Roforence Method	Number of workers exposed at the location being monitored	Remarks	Signatura of person taking samples	Name (in Block Letter)
8	9	10	7)	12	13
10 mg/m²	1S 5182(Part 2): 200)	-	The result is within the limit.	For A	MR. JAVED MAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ftd. (Chemical Division, Dalie)) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1 Name of the Department/Plant. CMS Plans
- 2 Rew Meterial, by products and finished products involving in the process.
- 3. Particulars of sampling

S.No.	Location / Operation	identified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.	
i	mentioned			No. of samples	Range	#ng/Nm³	
1	2	3	4	5	6	7	
3	CMS Plant	NOx	Handly Air Samoler	1	-	0.68	

TWA conc. (cs given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Leiler)
₽	9	10	11	12	13
10 ang/m ^a	15 5182(Part 6): 2 0 05	-	The result is within the limit.	For A	MR JAVE) HAVELIWALA

Work Place Monitoring done at M/s. Grasim Industries Ltd. (Chemical Division, Dahe) in the month of **September - 2022 by Kadam** Environmental Consultants, Vadotaria. (Date 20.09.2022)

Form No. - 37 (Prescribed under Rule 12-8)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant, CMS Plant
- 2.Raw Material, by products and finished products involving in the process :
- 3 Particulars of sampling

iocation / S.No. Operation mentioned		[dentified contaminant	Sampling Instrument Used	Airborne Contamination		Average conc.	
				No. of samples	Range	mg/m³	
1	2	3	4	5	6	7	
. 4	CMS Plant	: Hydrogen Chkride(HCL)	Handy Air Sampler	1	-	0.39	

TIMA conc. (as given in 2nd Schedule)	Reference Method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9	10	11	12	13
-	API IA 23 rd Califori 4500 CI-C	-	-	For A	MR. JAVED HAVEI IWALA

Work Place Monitoring done at M/s. Grasm Industries Ltd. (Chemical Division, Dahej) in the month of **September - 2022** by Kadam Environmental Consultante, Vadedara. (Date 20.09.2022)

Form No. - 37 (Prescribed under Rule 12 B)

Register containing particulars of monitoring of working environment required under section 7-A(a)(e)

- 1. Name of the Department/Plant. CMS Plant.
- 2.Raw Material,by products and finished products involving in the process :
- 3 Particulars of sampling

5.No.	Location / Operation	Identified contaminant	Sampling Instrument Used	Airbome Contamination No. of samples Range		Average conc.
ļ	mentioned	Contaminant	Indianal Osci			mg/m³
1	2 :	3	4	5	6	7
S	CMS Plant	Chloune (Cl ₂)	Handy Air Sampler	1	-	N.O.

TWA conc. (es given in 2rd Schodula)	Reference Method	(tumber of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in Block Letter)
8	9 .	10	11	12	13
ლ ე (თ.)	(S VIII) 1982	-	The results is within the limits	For (A)	MR. JAYU) HAVELIWALA

Work Place Monitoring done at Mys. Grasim Industries Ltd. (Chemical Division, Daha)) in the month of **September - 2022** by Kadam Environmental Consultants, Vadodara. (Date 20.09.2022)

ANNEXURE 10

HDFC ERGO General Insurance Company Limited



May 28, 2022

Grasim Industries Limited

A-2, Aditya Birla Centre, S.K.Ahire Marg, Worli, Mumbai, Mumbai, Maharashtra-400030 9702014400

Dear Customer,

Sub: Business Public Liability Insurance (Under PLI Act 1991) Policy No: 3133202292753704000

We thank you for having preferred us for your *Insurance* requirements. We at HDFC ERGO General Insurance believe "*Insurance*" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary: Aditya Birla Insurance Brokers Ltd Intermediary Code: 200500288952

Where the proposal form is not received, information obtained from you or your representative /broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and /or other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfcergo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely,

Authorised Signatory

Rasgolia



Public Liability Insurance (Under PLI Act 1991)

SCHEDULE

Policy No: 3133202292753704000

Item 1. Insured : Grasim Industries Limited

Item 2. Producer : Aditya Birla Insurance Brokers Ltd

Item 3. Financial Interest : Not Applicable

Item 4. Mailing address of the Insured : A-2, Aditya Birla Centre, S.K.Ahire Marg, Worli, Mumbai, Mumbai,

Maharashtra, 400030.

Item 5. Pan Card Number : AAACG4464B

Item 6. Business : Grasim Industries Limited is the flagship of the Aditya Birla Group. It

started as a textiles manufacturer in India in 1947. Today, it is a leading global player in VSF, the largest chemicals (Chlor-Alkali-s), largest cement producer and Diversified Financial Services (NBFC,

AssetManagement and Life Insurance) player in India, The company has

also announced entry into paints business.

Item 7. Policy Period : From 00:01 hours : 01 April 2022

To (Midnight) : 31 March 2023

Item 8. Premium : Rs. 62,309.00

Item 9. Premium & Coverage Statement : Refer to Page 2

9.1 Premium Computation9.2 Insurance Limits & Excess

Item 10. Clauses, Conditions & Warranties:

Form Number	Form Name	Effective Date	Date Issued
PL-02-0032	Policy Schedule	1 April 2022	28 May 2022
PL-02-0031	Insurance contract	1 April 2022	28 May 2022

Subject otherwise to terms and conditions of Public Liability Insurance Policy.

Signed for and on behalf of HDFC ERGO General Insurance Company Limited, on 28 May 2022

Authorised Signatory

GST Registration No: 27AABCL5045N1Z8. The contract will be cancelled ab intio in case; the consideration under the policy is not realized.

Note: Where the proposal form is not received, information obtained from insured, whether orally or otherwise, is captured in the policy document. Discrepancies, if any, in the information contained in the policy document may be pointed out by an insured within 15 days from the policy issue date after which information contained in the policy document shall be deemed to have been accepted as correct.

[&]quot; The stamp duty of ₹ 0.50 paid by Demand Draft, vide Receipt/Challan no. LOA/CSD/303/2022/1381 dated 28/03/2022 as prescribed in Government of Maharashtra Order No. Mudrank-2017/CR.97/M-1, dated the 09th January 2018".



Branch Leela Business Park, 6th Flr, Andheri - Kurla Rd, Mumbai, 400059. Tel.: +91-22-66383600

Warranties:

Warranted that there are no known losses and /or circumstances that may lead to losses or claims under this policy (except the claims and / or circumstances already reported to HDFC ERGO General Insurance Co. Ltd.).

This policy is issued basis the information and representations provided by or on behalf of the insured (whether by way of a proposal form or otherwise), and it is thus warranted that such information/representations are true, accurate, and complete, and that no other material information has been withheld.

If the policy document, schedule or endorsement contains any inadvertent error or omission in regards the information provided to us, you are requested to inform us within 15 days of receipt of the policy document so that we can correct any such error or omission.

Broker Name: Aditya Birla Insurance Brokers Ltd

Broker Code: 200500288952



Premium & Coverage Statement

(Item. 9 of Schedule, Attached to and forming part of Policy No: 3133202292753704000)

9.1 Premium Computation

Premium Details	Amount (Rs.)
Net Premium	28,582.00
GST 18% : Central Tax 9% (Rs. 2572.38) + State Tax 9% (Rs. 2572.62)	5,145.00
Add: Contribution to Environment Relief Fund	28,582.00
Total Premium	62,309.00
Invoice Number :	2052800281461
GSTN:	27AAACG4464B9ZQ
Place of Supply	Maharashtra
SAC Code	997139

9.2 Insurance Limits & Excess

Insurance Limits

Details	Amount (Rs.)
Each Accident Insurance Limit	50,000,000.00
Aggregate Insurance Limit	150,000,000.00

Excess

Compulsory ExcessNot ApplicableVoluntary ExcessNot Applicable



Public Liability Insurance (Under PLI Act 1991)

1. OPERATIVE CLAUSE

WHEREAS the Insured named in the Schedule hereto and carrying on the business described in the said schedule has applied to HDFC ERGOGENERAL INSURANCE COMPANY LIMITED (hereinafter called 'the Company') for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as consideration for or on account of such indemnity in accordance with the manner prescribed under Section 64VB of the Insurance Act, 1938 and as per the provisions of the Public Liability Insurance Act and the rules framed there under.

NOW THIS POLICY WITNESSETH that subject to the terms, conditions and exclusions herein contained or endorsed or otherwise expressed herein, to indemnify the Insured or Owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling of hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. DEFINITIONS

For the purpose of this policy, the following terms shall have the meaning as set forth hereunder:

- (i) "Act" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time;
- (ii) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity;
- (iii) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance;
- (iv) "Hazardous Substance" and group means any substance or preparation which is defined as hazardous substance under the Public Liability Insurance Act, 1991 and the Rules framed thereunder;
- (v) "Owner" or "Insured" means a person who owns, or has control over handling of any hazardous substance at the time of accident and includes:
 - (a) in the case of a firm, any of its partners
 - (b) in the case of an association, any of its members, and
 - (c) in the case of a company, any of its directors, managers, secretaries or other officers who is/are directly in charge of, and is/are responsible to the company for the conduct of the business of the company;
- (vi) "Turnover" shall mean
 - (a) In case of Manufacturing Units Entire annual gross sales turnover including all levies and taxes of manufacturing units handling hazardous substance as defined in the Public Liability Insurance Act, 1991. For the purpose of this insurance, the term "Units" shall mean all operations being carried out in the manufacturing complex in one location.
 - (b) In case of Godowns/ Warehouse Owners Total annual rental receipts of premises handling hazardous substance as defined in the Public Liability Insurance Act, 1991.
 - (c) In case of Transport Operators Total annual freight receipts

Liability Insurance

Public Liabilty

Form PL-02-0031 3133202292753704000 Insurance Contract

Page 5 of 11



(d) In all other cases - Total annual gross receipts

3. EXCLUSIONS

The Company shall not be liable:

- (i) for any wilful or intentional non-compliance of any statutory requirements;
- (ii) in respect of fines, penalties, punitive and /or exemplary damages;
- (iii) under any law or legislation except in so far as provided for in Section 8 (1) & 8 (2) of the Act;
- (iv) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured or Owner's control, care or custody;
- (v) for any liability directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not) civil war, rebellion, revolution, insurrection or military or usurped power;
- (vi) for any liability directly or indirectly caused by or contributed to by:
 - (a) Ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel
 - (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof;
- (vii) for matter outside the scope of Public Liability Insurance Act, 1991.
- (viii) in respect of losses/liability arising outside India.

4. CONDITIONS

- The Insured Owner shall give written notice to the Company as soon as reasonable practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of application forwarded by the Collector and all such additional information and/or assistance that the company may require.
- 2) No admission, offer, promise or payment shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- 3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- 4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- 5) If at the time of happening of any accident resulting in a claim under the policy there be any other insurance covering the same liability,

Liability Insurance



then the Company shall not be liable to pay or contribute more than its rateable proportion of such liability.

6) The Company may cancel this policy by giving seven days' notice in writing of such cancellation to the Insured's last known address and in such an event the Company will return a pro-rata portion of the premium (subject to a minimum retention of 25 per cent of the annual premium) for the unexpired part of the insurance.

The policy may also be cancelled by the Insured by giving thirty days' notice in writing to the Company, in which event the Company will retain premium at short period scale as set forth in the table below, provided there is no claim under the policy during the Policy Period.

In case of any claim under the policy no refund of premium shall be allowed.

The Company shall have no obligation to give notice that the policy is due for renewal or renew this policy upon expiration or termination.

Table of Short Period Scales

Period of Risk(Not exceeding)	Premium to be retained by the Company (% of the Annual Rate).		
1 week	10%		
1 month	25%		
2 months	35%		
3 months	50%		
4 months	60%		
6 months	75%		
8 months	85%		
Exceeding 8 months	Total Annual Premium		

- 7) If the Company shall disclaim by the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a component Court of Law. Then the claim for all practical purpose shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be mad the subject matter of any suit.
- 8) The Company shall not be liable to make any payment in respect of any claim if such be in any manner fraudulent or support by any person on behalf of the insured Owner and/or if the insurance has been continued in consequence of any material misstatement or non-disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- 9) The policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed there under or this policy shall bear such as specific meaning.
- 10) Any dispute regarding interpretation of the terms, conditions and exceptions of the Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.
- Any person who has a grievance against the Company, may himself or through his legal heirs make a complaint in writing to the Insurance Ombudsman in accordance with the procedure contained in The Redressal of Public Grievance Rules, 1998 (Ombudsman Rules). Proviso to Rule 16(2) of the Ombudsman Rules however, limits compensation that may be awarded by the Ombudsman, to the lower of compensation necessary to cover the loss suffered by the insured as a direct consequence of the insured peril or Rs. 20 lakhs Rupees Twenty Lakhs Only) inclusive of ex-gratia and other expenses. A copy of the said Rules shall be made available by the Company upon prior written request by the Insured.

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GRIEVANCE REDRESSAL PROCEDURE

If you have a grievance that you wish us to redress, you may contact us with the details of your grievance through:

• Call Centre: 022-62346234/ 0120-62346234

- Emails care@hdfcergo.com
- Designated Grievance Officer in each branch.
- · Company Website www.hdfcergo.com
- · Courier : Any of our Branch office or corporate office

You may also approach the Complaint & Grievance (C&G) Cell at any of our branches with the details of your grievance during our working hours from Monday to Friday.

If you are not satisfied with our redressal of your grievance through one of the above methods, you may contact our Head of Customer Service at

The Complaint & Grievance Cell ,
HDFC ERGO General Insurance Company Ltd.
Customer Happiness Center,
D-301, 3rd Floor, Eastern Business District (Magnet Mall),
LBS Marg, Bhandup (West),MUMBAI - 400078.
State: Maharashtra, City: Mumbai

Pincode: 400078

Email: grievance@hdfcergo.com

In case you are not satisfied with the response / resolution given / offered by the C&G cell, then you can write to the Principal Grievance Officer of the Company at the following address

The Chief Grievance Officer
HDFC ERGO General Insurance Company Limited
Customer Happiness Center,
D-301, 3rd Floor, Eastern Business District (Magnet Mall),
LBS Marg, Bhandup (West), Mumbai - 400078.

State: Maharashtra, City: Mumbai

Pincode: 400078

E Mail: cgo@hdfcergo.com

You may also approach the nearest Insurance Ombudsman for resolution of your grievance. The contact details of Ombudsman offices are mentioned below if your grievance pertains to:

- · Insurance claim that has been rejected or dispute of a claim on legal construction of the policy
- · Delay in settlement of claim
- Dispute with regard to premium
- · Non-receipt of your insurance document



	and Addresses of Ombudsmen Centers
Jurisdiction	Office Address
Gujarat, Dadra & Nagar Haveli, Daman and Diu	AHMEDABAD - Shri Kuldip Singh Office of the Insurance Ombudsman,Jeevan Prakash Building, 6th floor,Tilak Marg, Relief Road,Ahmedabad - 380 001. Tel.: 079 - 25501201/02/05/06 Email: bimalokpal.ahmedabad@ecoi.co.in (mailto:bimalokpal.ahmedabad@ecoi.co.in)
Karnataka	BENGALURU - Smt. Neerja Shah Office of the Insurance Ombudsman, Jeevan Soudha Building,PID No. 57-27-N-19 Ground Floor, 19/19, 24th Main Road,JP Nagar, Ist Phase,Bengaluru - 560 078. Tel.: 080 - 26652048 / 26652049 Email: bimalokpal.bengaluru@gbic.co.in (mailto:bimalokpal.bengaluru@ecoi.co.in)
Madhya Pradesh, Chattisgarh	BHOPAL - Shri Guru Saran Shrivastava Office of the Insurance Ombudsman, Janak Vihar Complex, 2nd Floor,6, Malviya Nagar, Opp. Airtel Office, Near New Market, Bhopal - 462 003. Tel.: 0755 - 2769201 / 2769202 Fax: 0755 - 2769203 Email: bimalokpal.bhopal@ecoi.co.in (mailto:bimalokpal.bhopal@ecoi.co.in)
Orissa.	BHUBANESHWAR - Shri Suresh Chandra Panda Office of the Insurance Ombudsman,62, Forest park,Bhubneshwar - 751 009. Tel.: 0674 - 2596461 /2596455 Fax: 0674 - 2596429 Email: bimalokpal.bhubaneswar@ecoi.co.in (mailto:bimalokpal.bhubaneswar@ecoi.co.in)
Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir, Chandigarh	CHANDIGARH - Dr. Dinesh Kumar Verma Office of the Insurance Ombudsman,S.C.O. No. 101, 102 & 103, 2nd Floor,Batra Building, Sector 17 - D,Chandigarh - 160 017. Tel.: 0172 - 2706196 / 2706468 Fax: 0172 - 2708274 Email: bimalokpal.chandigarh@ecoi.co.in (mailto:bimalokpal.chandigarh@ecoi.co.in)
Tamil Nadu, Pondicherry Town and Karaikal (which are part of Pondicherry).	CHENNAI - Shri M. Vasantha Krishna Office of the Insurance Ombudsman,Fatima Akhtar Court, 4th Floor, 453,Anna Salai, Teynampet,CHENNAI - 600 018. Tel.: 044 - 24333668 / 24335284 Fax: 044 - 24333664 Email: bimalokpal.chennai@ecoi.co.in (mailto:bimalokpal.chennai@ecoi.co.in)
Delhi	DELHI - Shri Sudhir Krishna Office of the Insurance Ombudsman,2/2 A, Universal Insurance Building,Asaf Ali Road,New Delhi - 110 002. Tel.: 011 - 23232481/23213504 Email: bimalokpal.delhi@ecoi.co.in (mailto:bimalokpal.delhi@ecoi.co.in)
Assam, Meghalaya, Manipur, Mizoram, Arunachal Pradesh, Nagaland and Tripura.	GUWAHATI - Shri Kiriti .B. Saha Office of the Insurance Ombudsman, Jeevan Nivesh, 5th Floor, Nr. Panbazar over bridge, S.S. Road, Guwahati - 781001 (ASSAM). Tel.: 0361 - 2632204 / 2602205 Email: bimalokpal.guwahati@ecoi.co.in (mailto:bimalokpal.guwahati@ecoi.co.in)



Andhra Pradesh, Telangana, Yanam and part of Territory of Pondicherry.	HYDERABAD - Shri I. Suresh Babu Office of the Insurance Ombudsman,6-2-46, 1st floor, "Moin Court",Lane Opp. Saleem Function Palace,A. C. Guards, Lakdi-Ka-Pool,Hyderabad - 500 004. Tel.: 040 - 67504123 / 23312122 Fax: 040 - 23376599 Email: bimalokpal.hyderabad@ecoi.co.in (mailto:bimalokpal.hyderabad@ecoi.co.in)
Rajasthan	JAIPUR - Smt. Sandhya Baliga Office of the Insurance Ombudsman, Jeevan Nidhi - II Bldg., Gr. Floor, Bhawani Singh Marg, Jaipur - 302 005. Tel.: 0141 - 2740363 Email: Bimalokpal.jaipur@ecoi.co.in (mailto:bimalokpal.jaipur@ecoi.co.in)
Kerala, Lakshadweep, Mahe-a part of Pondicherry.	ERNAKULAM - Ms. Poonam Bodra Office of the Insurance Ombudsman,2nd Floor, Pulinat Bldg.,Opp. Cochin Shipyard, M. G. Road,Ernakulam - 682 015. Tel.: 0484 - 2358759 / 2359338 Fax: 0484 - 2359336 Email: bimalokpal.ernakulam@ecoi.co.in (mailto:bimalokpal.ernakulam@ecoi.co.in)
West Bengal, Sikkim, Andaman & Nicobar Islands.	KOLKATA - Shri P. K. Rath Office of the Insurance Ombudsman, Hindustan Bldg. Annexe, 4th Floor, 4, C.R. Avenue, KOLKATA - 700 072. Tel.: 033 - 22124339 / 22124340 Fax: 033 - 22124341 Email: bimalokpal.kolkata@ecoi.co.in (mailto:bimalokpal.kolkata@ecoi.co.in)
Districts of Uttar Pradesh: Laitpur, Jhansi, Mahoba, Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Sonbhabdra, Fatehpur, Pratapgarh, Jaunpur, Varanasi, Gazipur, Jalaun, Kanpur, Lucknow, Unnao, Sitapur, Lakhimpur, Bahraich, Barabanki, Raebareli, Sravasti, Gonda, Faizabad, Amethi, Kaushambi, Balrampur, Basti, Ambedkarnagar, Sultanpur, Maharajgang, Santkabirnagar, Azamgarh, Kushinagar, Gorkhpur, Deoria, Mau, Ghazipur, Chandauli, Ballia, Sidharathnagar	LUCKNOW -Shri Justice Anil Kumar Srivastava Office of the Insurance Ombudsman,6th Floor, Jeevan Bhawan, Phase-II,Nawal Kishore Road, Hazratganj, Lucknow - 226 001. Tel.: 0522 - 2231330 / 2231331 Fax: 0522 - 2231310 Email: bimalokpal.lucknow@ecoi.co.in (mailto:bimalokpal.lucknow@ecoi.co.in)
Goa, Mumbai Metropolitan Region excluding Navi Mumbai & Thane.	MUMBAI - Shri Milind A. Kharat Office of the Insurance Ombudsman,3rd Floor, Jeevan Seva Annexe,S. V. Road, Santacruz (W),Mumbai - 400 054. Tel.: 022 - 26106552 / 26106960 Fax: 022 - 26106052 Email: bimalokpal.mumbai@ecoi.co.in (mailto:bimalokpal.mumbai@ecoi.co.in)
State of Uttaranchal and the following Districts of Uttar Pradesh: Agra, Aligarh, Bagpat, Bareilly, Bijnor, Budaun, Bulandshehar,Etah, Kanooj, Mainpuri, Mathura, Meerut, Moradabad, Muzaffarnagar, Oraiyya, Pilibhit, Etawah, Farrukhabad, Firozbad, Gautambodhanagar, Ghaziabad, Hardoi, Shahjahanpur, Hapur, Shamli, Rampur, Kashganj, Sambhal, Amroha, Hathras, Kanshiramnagar, Saharanpur.	NOIDA - Shri Chandra Shekhar Prasad Office of the Insurance Ombudsman,Bhagwan Sahai Palace 4th Floor, Main Road,Naya Bans, Sector 15, Distt: Gautam Buddh Nagar, U.P-201301. Tel.: 0120-2514250 / 2514252 / 2514253 Email: bimalokpal.noida@ecoi.co.in (mailto:bimalokpal.noida@ecoi.co.in)
Bihar, Jharkhand.	PATNA - Shri N. K. Singh Office of the Insurance Ombudsman,1st Floor,Kalpana Arcade Building,Bazar Samiti Road,Bahadurpur, Patna 800 006. Tel.: 0612-2680952 Email: bimalokpal.patna@ecoi.co.in (mailto:bimalokpal.patna@ecoi.co.in)



Maharashtra, Area of Navi Mumbai and Thane excluding Mumbai Metropolitan Region.

PUNE - Shri Vinay Sah

Office of the Insurance Ombudsman, Jeevan Darshan Bldg., 3rd Floor, C.T.S. No.s. 195 to 198, N.C. Kelkar Road, Narayan Peth, Pune - 411 030.

Tel.: 020-41312555

Email: bimalokpal.pune@ecoi.co.in (mailto:bimalokpal.pune@ecoi.co.in)



A Multi Super Speciality Center

		EMPL	OYEE DETAILS		SR N	0. 19
EMPLOYEE NAME	UDAYLAL	GAYARI		AGE	45	MALE
FATHER'S NAME	PALICHAN	ID GAYARI		D.O.B.	09.02	2.1977
DESIGNATION	JR OFFICE	R		DATE	DATE 29.03.202	
DEPARTMENT	QA			EMP RO.	1006	3
COMPANY NAME	GRASIM CHEMICAL DIVISION(GIL),VILAYAT					
		GENERAL	EXAMINATION	•		
WEIGHT	78	Kg	HEIGHT	178	cm	
ВР	122/70	mm of Hg	PULSE	80	/min	
вмі	24.62	Kg/m²	BLOOD GROUP		243	
SPO2	98	96	TEMPERATURE	97.3	• F	
		MEDIC	CAL HISTORY			
Past History	NILL SIGNIFICANT		Personal History	NILL SIGNIFICANT		FICANT
Family Mistory	N	ILL SIGNIFICANT	Addiction	MILL SIGNIFICANT		FICANT
Allergic History	N	IIL SIGNIFICANT	Occupational History	NII	NIL SIGNIFICANT	
Present Complains	NO SPECIFIC	HISTORY OF FEVER OR COURSH	Symptoms of COVID-19	NORMAL		AL
		VISIO	N TESTING			
ACURITY OF VISION:		RT EYE	LT EYE	COLOUR VISION ACC		ACCEPTABL
DISTANCE		6/6	6/6			
NEAR		N/6	N/6	Wi	THQUT	GLASS
	1	SYSTEMET	IC EXAMINATION			
cvs	S1, S2 - NORMAL, NO MURMUR		ENT Ex: (EAR,NOSE,THROAT)		NAD	
R/S	CLEAR WITH EQUAL AIR ENTRY		SKIN Ex & Nail Ex			NAD
ABDOMEN	SOFT, NON TENDER		Musculosketeal System		NAD	
CNS	CONCIOUS	& CREENTED	Genitourinary System			NAD
IDENTIFICATION MARK	MOLE OF	N LEFT HAND			-20-	

ADVICE REMARK

MORMAL ECG NORMAL X-RAY

WITHIN NORMAL LIMIT SPEROMETARY B/L WITHIN NORMALUMIT AUDIOMETARY

FITNESS STATUS : FIT

NOTE: THIS REPORT IS NOT FOR LEGEL IMPLICATION AND PURPOSE, CONFIDENTIAL REPORT ONLY FOR COMPANY USE

OR. MAHINATH MISHRA M.B.B.S., C.I.H. Reg. No.- G-16014 Family Physician & Industrial Health Consultant

BHARUCH: 2nd Floor, Yash Complex, Opp. INOX Cinema, Zedesfplet: Rd., Sherech. Ph: 02842-227771/227882 680: +91 9089227882 RAHIYAD: Bhrugu Complex, Ground Floor, Rahiyad Chokdi, Bharuck-392138 Mo : 9327703283 VILAYAT: Shop No.16, Sky View Shopping Centre, Opp. Birla Grsaim, Wilayat Chokdi, Derof Road, Argamu, Ta. Vagar, Dist. Bharuch, Mo : +91 9099227882



A Multi Super Speciality Center

REF BY: SELF SEX : MALE LAB NO: 19 DATE: 29.03.2022

HAEMATOLOGY REPORT

TEST	RESULT	UNIT	NORMAL RANGE
Haemoglobin	14,1	g/di	12.0 - 18.0
WBC Count	5,500	/emm	4,000 - 11,000
Platelet Count	283,000	/cmm	1,50,000 - 4,00,000
RBC COUNT	5.11	mill/cmm	4.7 - 6.0
P.C.V.	42.30	%	38 - 52
M,C.V.	83. 9 1	n	78 • 9 6
M.C.H.	27.59	pg	27 - 31
M.C.H.C.	32.88	%	30 - 35
DIFFERENTIAL COUNT			
Neutrophils	71	%	40 - 70
Lymphocytes	26	%	20 - 45
Eosinophils	1	96	1.0 - 6.0
Monocytes	2	%	2.0 - 10
Basophils	0	%	0 - 0.2
ESR (After 1st Hour)	5	mm/hr	1 - 15
	DIA CHEMIC	The same of the sa	

BIO-CHEMISTRY

TEST	RESULT	UNIT	NORMAL RANGE
Random Blood Glucose	88	Mg/dl	70 - 140
S.G.P.T.	43	Mg/dl	UPTO 40
S. Creatinine	0.8	Mg/dl	0.7 - 1.5
S. Uric Acid	2.5	Mg/dl	M:3.4-7.4,F:2.4-5.7
4 414 4			•

ALL BIO-CHEMISTRY IS DONE BY VECTOR VChamNext ANALYZER, "HEMATOLOGY IS DONE BY ZYBIO 23".

URINE EXAMINATION

PHYSICAL EXAMINATION		CHEMICAL EXAMINATION		
COLOUR	YELLOW	ALBUMIN	ASSENT	
PH	ACIDIC	SUGAR	ABSENT	
SPECIFIC GRAVITY	Q.N.S.	KETONE	ABSENT	
TRANSPERENCY	CLEAR	BILE SALT	ABSENT	

MICROSCOPIC EXAMINATION	V (After Centrifugs	ition at 2000 rpm for 5 minu	tes)	
CRYSTAL	ABSENT	PUS CELLS	1-2	/H.P.F.
CAST	ABSENT	RED CELLS	ABSENT	/H.P.F.
BACTERIA	ABSENT	EPITHELIA CELLS	0-1	/H.P.F.
AMORPHOUS PHOSPHATE	ABSENT	OTHER	ND.	

End of report.

Lab Technologiest

BHARUCH : 2nd Floor, Yash Complex, Opp. INOX Cinema, Zadeshwar Rd., Bharuch. Ph: 02642-227771/227882 No: 491 5090227882

RAHIYAD : Bhrugu Complex, Ground Floor, Rahiyad Chokdi, Bharuch-382139 No : \$327703283 VILAYAT: Shop No.16, Sky View Shopping Centre, Opp. Birta Grasins, Viloyat Chokeli, Deroi Road, Argania, Ta. Vagara, Dist. Bluruch. No: +9f 9090227382



A Multi Super Speciality Center

NAME	UDAYLAL GAYARI	AGE	45	YEAR
LAB ID	19	SEX	MALE	
REF BY	SEL F	DATE	29.03.2	022

LIPID PROFILE

TEST	1	RESULT	UNIT	REFFERENCE INTERVAL
Serum cholesterol	0.1	138.00	mg/dl	120 - 240 mg/d)
serum triglyceride	2 1	185.00	mg/dl	60 - 165 mg/dl
HDL cholesterof	4.6	63.00	mg/dl	30 - 70 mg/dl
LDL cholesterol	: 3	38.00	mg/dl	UPTO 150 mg/di
CHOL/HDL chol. Ratio	: 2	2.19	:1	Less than S
LOL Chol/HDL chol Ratio	; (0.60	:1	Less than 3,5
VLOL	: 3	37.00	mg/dl	UPTO 30 mg/dl

IDEAL CHOLESTEROL VALUES FOR INDIAN PEOPLES

* For Healthy People:

Serum cholesterol Less than 200 mg/dl Serum LDL Less than 100 md/dl Serum HDL More than 45 mg/dl Serum Tryglyceride Less than 150 mg/dl Serum VLDL Less than 24 mg/dl

* For Heart, Diabetes, High B.P. Patients:

Serum cholesterol Less than 160 mg/dl Serum LOL Less than 80 md/dl Serum MDL More than 50 mg/dl Serum Tryglyceride Less than 140 mg/dl Serum VLOL Less than 24 mg/dl

.....End of report

Lab Technologiest

BHARUCH: 2nd Floor, Yash Complex, Opp. INOX Cinema, Zadecinear Rd., Bharuck. Ph: 02643-227771/227882. No: 491 9898227882. RAHIYAD: Bhrugu Complex, Ground Floer, Rahiyad Chokdi, Bharuch-392130 Me: 9327703283 VILAYAT: Shop No.16, Sky View Shopping Centre, Opp. Birts Grasim, Wilayat Chelusi, Derol Road, Arganus, To. Vegars, Dist. Blueruch, 800: 491 9099227882

mmHg Ratoe:Unknown Room Nu.: Department:

RV5/SVI	PORST	QT/QTo	QRS	PR	7	HR
1.760/0.784 mV	: M0/67/49 °	: 362/418 rbs	86 ms	166 mg	- ill3 - ms	- 4
				Normal ECG	Sinus Rhythm	Diagnosis Information:

1.760/0.784 mV

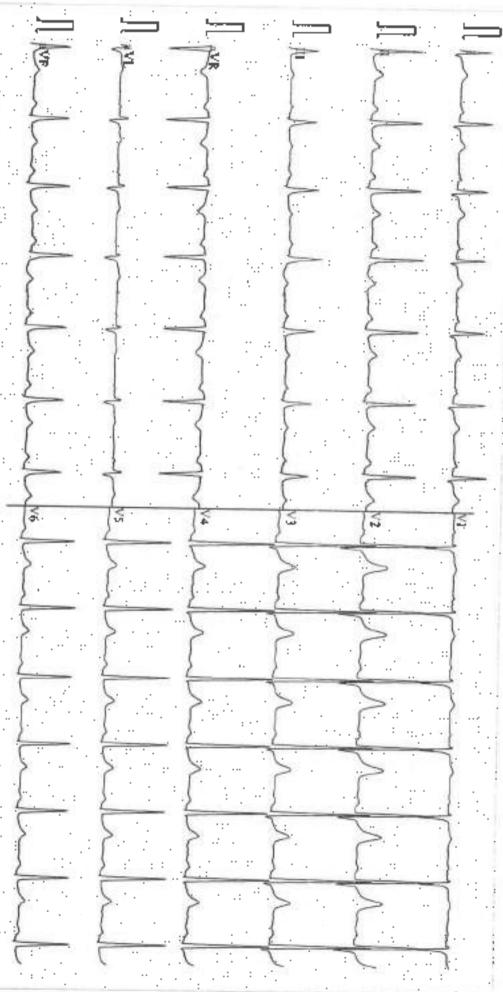
Exam. Koom: ⊕ : e9

45 Years Medjigation:

প্ৰা

2

Techniciau Ref-Phys. : Report Coulimned by:



AMAK MEDICAL CENTER

1st Floor, Bhurugu Complex, Rahiyad Chokdi, Ta-Vagra, Oist-Bharuch, Gujrat, CONT NO.:-7041274129 **AUDIOGRAM**

Employee Name

UDAYLAL GAYARI

Age:

MALE

Company Name

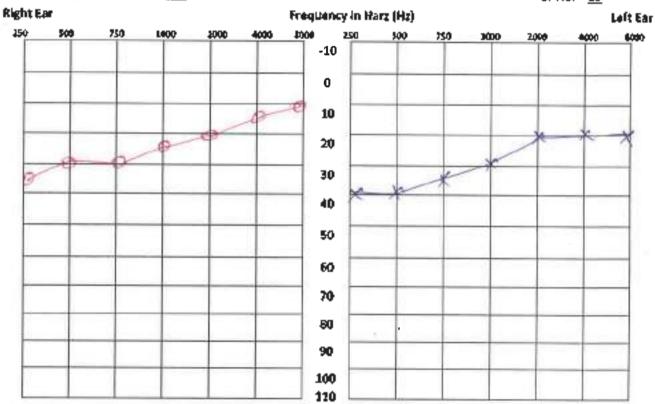
GRASIM CHEMICAL DIVISION GILL VILAYAT

45

Date: 29.03.2022

Contract Name

Sr No. 19



Air Conduction

X=Left Eac

O-Right Ear

Bone Conduction

>=Left Ear

«=Right Ear

Remark:

B/L WITHIN HORMALUMIT

Family Physician & Industrial Health Consultant



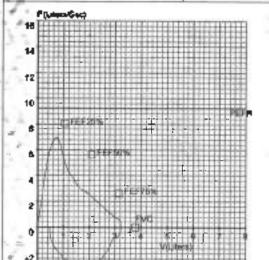
Amax Medical Center

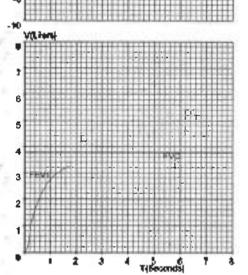
Bharuch, Guirat (INDIA) Contact No.:-7041274129

B/19 - UCAYLAL GAYARI 45 Years / Male / Ht 178 Cms /78 Kgs / Nov-Smoker

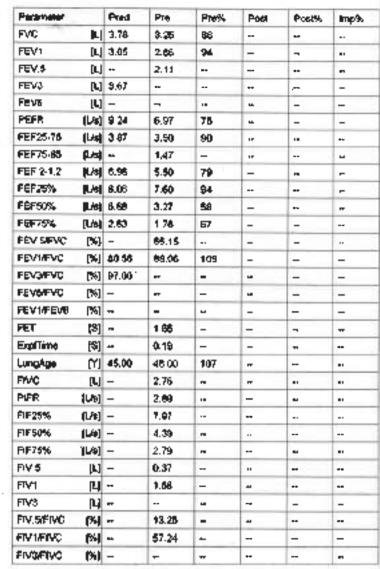
FVC TEST Date: 29-03-2022 (T1) Pred Egn : CLARITY Red By : NONE Eth Corr 100

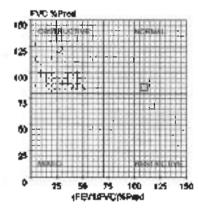
Temp. 0°0

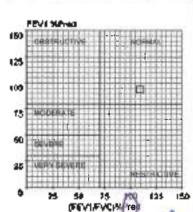




- Pre Medication Réport : Sprometery within Normal range as FVC% >= 60 And FEV±FVC% > 70
- Pre-CCPD Severity Report:
 COPD Severity within Normal range
- Doctor's Comments :







DR. MAH NA HARSHRA M.B.B.S. C.I.H. Reg. No.- G-16014 Family Physician's Indu-Sal Heap!, Mahmath Mishra



Dr. Payal D. Shah M.B.B.S., M.D. (Radiodiagnosis)

Dr. Darshit B. Shah

M.B.B.S., M.D. (Radiodiagnosis) Ex-Clinical Associate, Lilavati hospital (Mumbar)

Pt's Name : UDAYLAL GAYARI

ID : 17

Date : 29.03.2021

Plain Skiagram chest (PA View)

Bilateral lung fields appear normal.

Both dome of hemi diaphragms appear normal,

Bony thorax appears normal.

Cardiac shadow appears normal,

Conclusion:

No significant abnormatities are seen.

Thanks for the reference.

Dr. Payal D. Shah (MBBS, MD) Consultant Radiologist

Dv. Darshit B. Shah (MBBS, MD)
Consultant Radiologist



(Approved by AICTE, New delhi and Affiliated to GTU, Ahmedabud)

Managed by : Charuttar Education & Navrachana Trust, Anand.

Ref. No: DJMIT/ETRL/CON/010 Date:03/10/2022

THE ENVIRONMENTAL MANAGEMENT SYSTEM ADEQUACY CERTIFICATE

The Gujarat High Court introduced the Environmental Audit Scheme vide its Orders dated 20/12/1996 & 13/03/1997 and modified vide Order dated 16/09/1999. We are recognised by GPCB, Gandhinagar as Schedule-I Environmental Auditor with auditor ID 2301 for compliance with the Hon'ble High Court's directions in this matter.

We have carried out detailed study of environmental management system of M/s. Grasim Industries Limited as M/s. Grasim Industries Limited, Chemical Division, Plotno.1, GIDC, Vilayat-392012 approached us to give an Adequacy Certificate of EMS for their plant, with additional 45 MW captive power plant and Sodium Sulphate plant. The outcomes of study are detailed as under:

A. Name of the Industry: M/s. Grasim Industries Limited

B. GPCBID : 41279

Address of site : M/s. Grasim Industries Limited as M/s. Grasim Industries

Limited, Chemical Division, Plotno 1, GIDC, Vilayat-392012

Details of CC&A : CCA AWH- 118058, dated: 18/06/2022 which is valid up to

02/03/2024.

At this point of time, this industry is in the process of completion of installation of additional 45 MW Captive Power Plant and Sodium Sulphate Plant.

Hence, Industry is applying for an amendment in their existing CC&A.



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LIST OF PRODUCTS WITH QUANTITY INCLUDING PROPOSED PRODUCT: (Table No. 1)

Sr. No.	Name of Product	Existing as per LATEST CCA issued with no. AWH- 118058 dated: 18/06/2022 (MT/Annum)	Proposed Extra (MT/Annum)	Total Proposed for AMENDED CC&A (MT/Annum)
EX	STING PRODUCTS			
	Caustic Soda Lye	365000	60	365000
	Hydrogen	102200000(Nm³)	00	102200000(Nm³)
	Liquid Chlorine/ Sodium Hypochlorite/ Hydrochloric Acid	328500	00	328500
	Poly Aluminum Chloride	250000	00	250000
	Chlorinated Paraffin Wax	70000	00	70000
	Aluminum Chloride	25000	00	25000
	Stable Bleaching Powder	61000	00	61000
	Phosphoric Acid	35000	00	35000
	Calcium Chloride	87600	00	87600
	Captive Power Plant	96 MW	45* MW	141 MW
	Aluminum Chloro Hydrate (Super Coagulant)	5000	00	5000
	Calcium Hypochlorite (High Strength Bleaching Powder-HSBP)	24000	00	24000
Chl	promethanes			
	Methyl Chloride**			
	Methylene Chloride (50% to 80% of total production)	9,0000		P= 50000A
	Chloroform (15% to 40% of total production)	54000	00	54000
	Carbon Tetra Chloride(5% to 10% of total production)			



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Sr.	Name of Product	Existing as per LATEST CCA issued with no.	Proposed Extra	Total Proposed for AMENDED CC&A
No.	Name of Froduct	AWH- 118058 dated: 18/06/2022 (MT/Annum)	(MT/Annum)	(MT/Annum)
PROP	OSED PRODUCT			
1	Sodium Sulphate	0	2672***	2672

Note- *Proposed as per EC issued vide letter no.: SEIAA/GUJ/EC/1(d)/287/2019, dated: 04/02/2019 and EC to CTE issued vide letter no.: GPCB/(PCB ID -41279)/506007, dated- 10/05/2019.

Based on data provided by the industry and study of the details we certify that the Environmental Management Systems provided by the unit are Adequate and Efficient. The capacity as stated is Adequate and Efficacious to achieve the desired concentration (Air + Wastewater + Hazardous waste,) as specified/required under Consent/Notifications by GPCB, Gandhinagar for the following:

C. LIST OF RAW MATIRIALS FOR EXISTING PRODUCTS WITH QUANTITY: (Table No. 2)

Sr. No.	Name of the Products	Name of the Raw Materials	Existing Qty per Year (MT)
1		Salt	584000
2		Na2CO3	1825
3		BaCO3	5475
4	Caustic Soda Lye	SBS	365
5		Alfa	804
6		NaOH	9650
7	The second secon	HCI	18250
8	Poly Aluminium Chloride	Alumina Hydrate	44384
9		HCI	85992
10	Chlorinated Paraffin Wax	Paraffin	31500
11		Chlorine	87500
12	Aluminium Chloride	Aluminium	4964
13		Chlorine	19856
14	Stable Blanching Dougles	Lime	46326
15	Stable Bleaching Powder	Chlorine	24382
16	Phosphoric Acid	Rock Phosphate	79200
17		Hydrochloric Acid (32%)	147600
18		Amyl Alcohol	468
19		Hydrated Lime	9360
20		Sodium Chlorate	68400
21	Aluminium Chloro Hydrate (Super	PAC Liq. (18%)	2016
22	Coagulant)	Aluminium Ingot	504
23		Chlorine (99.6% purity)	21600

Page 3 of 18

^{**}Produced as 1st step of manufacturing of all other product.



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Sr. No.	Name of the Products	Name of the Raw Materials	Existing Qty per Year (MT)
24	Calcium Hypochlorite (High	Lime (96% min.)	19200
25	Strength Bleach Powder-HSBP)	Caustic (100% basis)	12000
hloror	nethanes Plant	170alo prosessiva	
26	Methyl Chloride	Liquid Chlorine	57600
27	Methylene Chloride Chloroform Carbon Tetra Chloride	Methanol	21600

Raw materials for proposed products

Sr. No	Name of Raw Materia	Existing Quantity (MT/Month)	Proposed Extra (MT/Month)	Total proposed for AMENDED CCA (MT/Month)
45 M	W Captive Power Plant			
1.	Imported Coal	72000	21000	93000
2.	Lime for desulphurization of coal	1920	560	2480
3.	LDO (for cold start- up) (KL)	17	8	25
Sodia	ım Sulphate			
4.	Lean Brine	0	32704	32704
5.	HCI	0	5.05	5.05



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Details of Water Consumption and Wastewater(effluent) generation:

Source of water: GIDC Water

❖ Water Consumption: (Table No. 3)

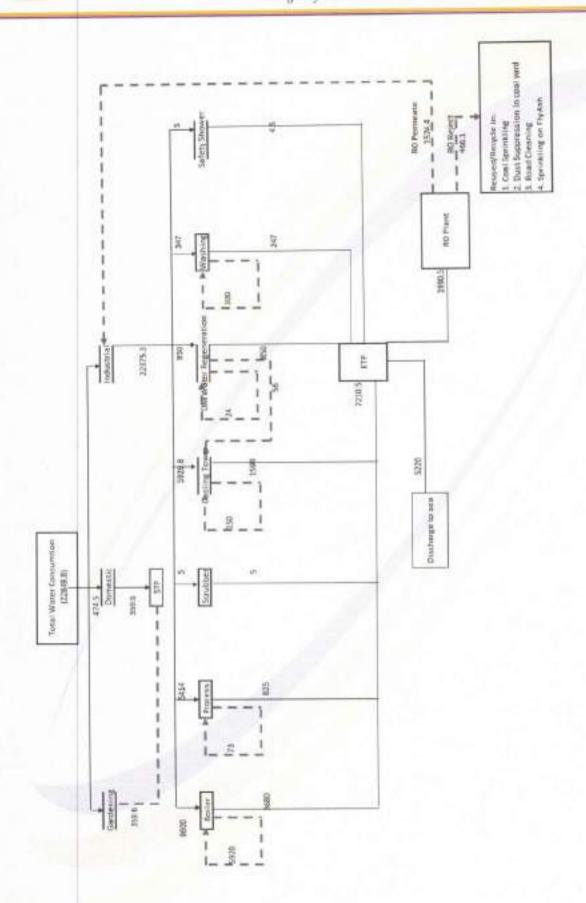
		Wate	er Consumption (K	LD)
Sr. No.	Particulars	Existing as per LATEST CCA issued with no. AWH-118058 dated: 18/06/2022	Proposed Extra	Total Proposed for AMENDED CC&A
1	Domestic	471	3.5	474.5
2	Gardening		12	-
3	Industrial (sum of a to h)	18598.5	3776.8	22375.3
a	Boiler	6500	3100	9600
Ь	Process	5289	125	5414
c	Scrubber	5	0	5
d	Cooling - makeup	5925	4.8	5929.8
e	DM water regeneration	430	500	930
f	Washing	300	47	347
g	Safety shower	5	0	5
h	Coal Sprinkling system	144.5	0	144.5
4	Total (1+3)	19069.5	3780.3	22849.8
5	Reuse/Recycle	664.5	1729	2393.5
6	Fresh Water Requirement (4-5)	18405	2051.3	20456.3





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Wastewater Generation (Table No. 4)

		Wastewa	ter Generation	(KLD)
Sr. No.	Particulars	Existing as per LATEST CCA issued with no. AWH- 118058 dated: 18/06/2022	Proposed Extra Total Profor AMEN	
1	Domestic	356.8	2.8	359.6
2	Industrial (sum of a to g)	5884.5	1729	7613.5
a	Boiler	2500	1180	3680
b	Process	898	0	898
c	Scrubber	5	0	5
d	Cooling - makeup	1747	2	1749
e	DM water regeneration	430	500	930
f	Washing	300	47	347
g	Safety shower	4.5	0	4.5
3	Total (1+2)	6241,3	1731.8	7973.1
4	Reuse/Recycle/Reduce	664.5	1729	2393.5
5	Discharge to sea (2-4)	5220	ZLD	5220

Probable characteristics of extra wastewater: (Table No. 5)

	Wastewater Ch	naracteristics
Parameter	Before Treatment	After treatment
Ph	7.5	7.5-8.5
BOD	15-40 mg/l	<10 mg/l
COD	30-80 mg/l	<50 mg/l
Oil & Grease	10-20 mg/l	<5 mg/l
Colour	Colourless	Colourless
TSS	30-60 mg/l	<5 mg/l
TDS	3600 mg/l	40-200 mg/ī
Temperature	30-35 degree C	30-35 degree C
Metals	Nil	Nil



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METHOD OF DISPOSAL:

Domestic Wastewater: Additional domestic wastewater to the tune of 2.8 KLD would be generated from the proposed expansion. The said wastewater will be treated in the existing Sewage Treatment Plant and will be utilized for gardening purposes within the premises.

Industrial Wasewater: Proposed additional industrial wastewater to the tune of 1729 KLD will be emanating from the proposed expansion. The same will be given primary treatment in the existing ETP and will be reused in cooling water makeup, DM water and washing purposes. Hence, the proposed expansion would be ZERO LIQUID DISCHARGE.

Details of ETP (Effluent Treatment Plant) :(Table No. 6)

ETP Capacity: 40,000 KLD

Unit has provided primary, secondary and tertiary units in ETP for normal effluent stream and primary ETP for concentrated effluent stream. Details are as under,

Sr. No.	Unit Name	Equipment Details	Remarks
1	Sump Zone (Zinc) Clarifier		
A	No. of Units	3	Adequate
В	Diemension of each Clarifier	16.8 m (D) x 2.4 m (SWD)	Adequate
C	Hold up Volume	531 m3 (each)	Adequate
2	Flash Mixer		
A	No. of Units	3	Adequate
В	Diemension of each Clarifier	5.0 m (D) x 3.0 m (SWD)	Adequate
C	Hold up Volume	60 m3 (each)	Adequate
3	Lime Slurry Preparation System	1	
	Blower & Bag filter for lime preon. Tanks	1 Set	Adequate
4	Grit Chamber with mechanical cleaning arrangement		
A	No. of Units	2	Adequate
В	Size No. 1 & No. 2	50m(L), 9m(W) & 5m(D)	Adequate
C	Hold up Volume	2250 m3 (each)	Adequate
5	Automatic Bar Screens		
A	No. of Units	2	Adequate
6	Neutralization/Equalization Tanks		
A	No. of Units	1	Adequate
В	Tak Size	12.0m(D) x 3.0m(SWD)	Adequate
C	Hold up Volume	339 m3	Adequate
7	Lift Sump Pit		
A	No. of Units	1	Adequate
В	Tank Size	9.0m(D) x 4.0m(SWD)	Adequate
C	Hold up Volume	254 m3	Adequate
8	Primary Clarifier		
A	No. of Units	2	Adequate
В	Diemension of each clarifier	40m (D) x 3.0m (SWD)	Adequate
C	Hold up Volume	3768 m3 (Each)	Adequate
9	Biological reactor/Aeration system	The state of the s	
A	No. of Units	4	Adequate

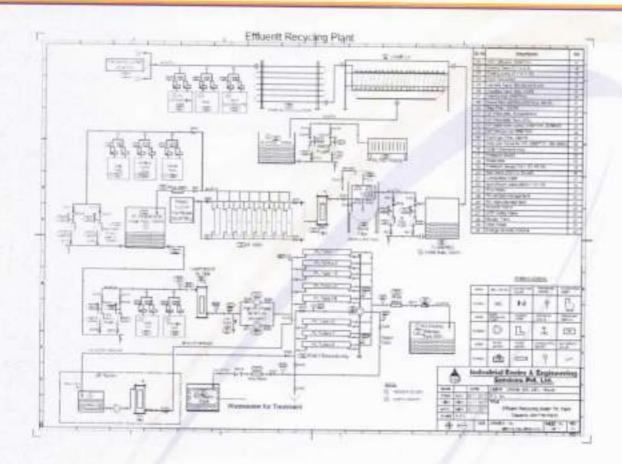


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ir.	Unit Name	Equipment Details	Remarks	
В	Diemension of each clarifier	73m (L) x 15m (W) x 5.5m (D)	Adequate	
C	Hold up Volume	6022 m3 (Each)	Adequate	
D	Acrators	Diffused Acration system	Adequate	
10	Secondary Clarifier			
A	No. of Units	2	Adequate	
В	Diemension of each clarifier	45.0m (D) x 3.0m (SWD)	Adequate	
C	Hold up Volume	4770 m3 (Each)	Adequate	
11	Chemical Sludge Thickener			
A	No. of Units	2	Adequate	
В	Diemension of each thickener	14.0m (D) x 3.0m (SWD)	Adequate	
C	Hold up Volume	940 m3 (Each)	Adequate	
12	Bio Sludge Thickener			
A	No. of Units	2	Adequate	
В	Diemension of each thickener	20.0m (D) x 3.0m (SWD)	Adequate	
C	Hold up Volume	940 m3 (Each)	Adequate	
13	Belt Press for Chemical Sludge		Vicini di	
A	No. of Units	2	Adequate	
В	Capacity	9 TPD on dry basis	Adequate	
14	Belt press for Bio Sludge		2000000000	
A	No. of Units	2	Adequate	
В	Capacity	9 TPD on dry basis	Adequate	
15	Biological Reactor / Aeration System			
A	No. of Units	3:	Adequate	
В	Tank Size	73m (L) x 15m (W) x 5.5m (D)	Adequate	
C	Hold up Volume	6022 m3	Adequate	
D	Acrators	Diffused Acration system	Adequate	
E	Total Capacity of Aeration system	6022 x 7 = 42,000 m3	Adequate	
16	Filter Press for Chemical Sludge			
A	No. of Units	3	Adequate	
В	Capacity	25 TPD on dry basis	Adequate	
17	Automated Lime Slurry Preparation & dosing system			
A	No. of lime storage silo	3	Adequate	
В	Capacity	25 TPD on dry basis	Adequate	
C	Automatic pH controllers	1 Set	Adequate	
18	Cooling Towers			
A	No. of units	1	Adequate	
В	Type	Mist	Adequate	
C	Capacity	1500 m3/Hr	Adequate	
D	Purpose	Cooling of BR inlet effluent Adequate for better efficieny of Biological reactor		
19	RO Plant capacity	40 m3/hr		
A	Cartridge filter housing	40 m3/hr	Adequate	
B	Sea water membranes	Dia, 8" x 40" long + 40 nos.	Adequate	
C	RO Rejected Tank Capacity	250 KL x 3 Nos.	Adequate	
D	RO Permeate Tank Capacity	120 KL x 2 Nos.	Adequate	



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ETP Design Consideration (Table no. 6A)

Parameter	ETP Design Characteristics		
rarameter	Inlet	Outlet	
pH	4-12	6-9	
BOD	<300 mg/l	<100 mg/l	
COD	<1000 mg/l	<250 mg/l	
TSS	<100 mg/l	<50 mg/l	



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DETAILS OF AIR EMISSION:

Flue Gas Emission: (Table No. 7)

There is change in existing flue gas emission scenario. The details are as under

Existing Flue Gas Stacks

Sr. No.	Description Stack Attached To	Air Pollution Control Measures	Fuel Consumption rate	Stack Height (m)	Parameters with permissible limits
1)	Boiler 1 & 2	ESP and Low NOx burner	Imported Coal	125	PM <150 mg/Nm ³
2)	Boiler 3 & 4	ESP and Low NOx burner		125	SO ₂ < 100 ppm
3)	D.G. Set (1875 kVA x 4 Nos.)	Not Applicable	HSD 400 Lit./hr each	36	NO ₂ < 50 ppm
4)	D.G. Set (750 kVA x 3 Nos.)	Not Applicable	HSD 200 Lit/hr each	11	
5)	Stack attached to primary coal crusher-I	Bag Filter	-	22.4	PM <150 mg/Nm ³
6)	Stack attached to primary coal crusher-1	Bag Filter	-	30.3	PM <150 mg/Nm ³
7)	D.G. Sci (750 kVA x 1 Nos.)	Not Applicable	HSD 200 Lit/hr	10	PM <150 mg/Nm ² SO ₂ < 100 ppm NO ₂ < 50 ppm
8)	Volatile Reduction Chamber (VRC)	Water and Caustic Scrubber	Hydrogen 200 Nm3/Hr	35	NOx<50 ppm HC1<20 mg/Nm3 C12<9 mg/Nm3

Proposed Flue Gas Stacks

Sr. No.	Description Stack Attached To	Air Pollution Control Measures	Fuel Consumption rate	Stack Height (m)	Parameters with permissible limits
1)	Boiler-5 (175 TPH)	ESP and Low NOx burner	Coal (29.16 MT/Hour)	125	PM <150 mg/Nm ³ SO ₂ <100ppm NO ₂ <50ppm

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❖ Details of Fuel Consumption: (Table No. 8)

Sr. No	Name of Raw Materia	Existing Quantity (MT/Month)	Proposed Extra (MT/Month)	Total proposed for AMENDED CCA (MT/Month)
1.	Imported Coal	72000	21000	93000
2.	HSD	2400 Lit/Hr	0	2400 Lit/Hr
3.	Hydrogen	200 Nm3/Hr	0	200 Nm3/Hr
4.	Lime for desulphurization of coal	1920	560	2480
5.	LDO (for cold start- up) (KL)	17	8	25



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Process Gas Emission: (Table No. 9)

Sr. No.	Description Stack Attached To	Air Pollution Control Measures	Stack Height (m)	Parameters with permissible limits	
L	Sodium Hypo Stack -1 (Caustic Plant)	Alkali Scrubber	35	Cl ₂ • 9 mg/Nm ³	
2.	HCl stack 1 (Caustic Plant)	Water scrubber having bubble cap tray absorption system.	35	HCl -35 mg/Nm ³	
3.	HCl stack 2 (Caustic Plant)	Water scrubber having bubble cap tray absorption system.	35		
4,	HCl stack 3 (Caustic Plant)	Water scrubber having bubble cap tray absorption system.	35		
5.	HCl stack 4 (Caustic Plant)	Water scrubber having bubble cap tray absorption system.	35		
6.	Poly Aluminum Chloride Liquid -	Water scrubber system	35	HCl - 20 mg/Nm ³ Cl ₂ - 9 mg/Nm ³	
7.	Poly Aluminum Chloride Liquid – 2	Water scrubber system	35		
8.	Poly Aluminum Chloride Powder-1	3 stage water scrubber	35		
9.	Poly Aluminum Chloride Powder-2	3 stage water scrubber	3.5		
10.	Chlorinated Paraffin Plant	Alkali scrubbing system	3.5	HCI - 20 mg/Nm ³	
				Cl ₂ - 9 mg/Nm ³	
11.	Aluminum Chloride -I	Alkali scrubbing system	35	HCl - 20 mg/Nm ³	
				Cl ₂ - 9 mg/Nm ³	
12	Aluminum Chloride -2	Alkali scrubbing system	35	HCl - 20 mg/Nm ³ Cl ₂ - 9 mg/Nm ³	
13.	Stable Bleaching Powder -1	Alkali scrubbing system	35	HCl - 20 mg/Nm3	
14.	Stable Bleaching Powder -2	Alkali scrubbing system	35	Cl ₂ - 9 mg/Nm ³	
15.	Phosphoric Acid Plant	Water scrubber	35	HCl - 20 mg/Nm ³ Cl ₂ - 9 mg/Nm ³	
16.	Calcium Chloride	Water scrubber	35	HCl - 20 mg/Nm	
17.	Sodium Hypo stack-2 (Caustic plant)	Alkali scrubber	35	Cl ₂ = 9 mg/Nm ³	
18	Vent attached to reactor		35	H ₂ gas *	
19.	Vent attached to dryer-1 (HSBP)	Bag filter	21	PM< 150 mg/Nm	
20	Vent attached to dryer-2 (HSBP)	Bag filter	21	PM< 150 mg/Nm	
21	Vent attached to reaction vessel -1 (HSBP)	Water/caustic scrubber	21	Cl ₂ < 5 mg/m ³	
22	Vent attached to reaction vessel -2 (HSBP)	Water/caustic scrubber	21	Cl ₂ < 5 mg/m ³	
23.	Hydro Chlorinator - CMS plant	Alkali Scrubber	35	HCl<20 mg/Nm ³	



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24.	Crude CMS Distillation - CMS Plant	Condenser and guard condenser with cooling water circulation & chilled circulation	35	VOC< 1µg/m³
25.	Heavies CMS Distillation - CMS Plant	Condenser and guard condenser with cooling water circulation & chilled circulation	35	VOC <1µg/m3

No new process gas stacks are proposed

D. DETAILS OF HAZARDOUS WASTE MANAGEMENT SYSTEM: (Table No. 10)



(Approved by AICTE, New delhi and Affiliated to GTU, Ahmedabad)
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			Quantity per Annum			
Sr. No.	Name of Waste	Schedule/ Category	Existing as per LATEST CCA issued with no. AWH- 118058 dated: 18/06/2022	Proposed Extra	Total Proposed for AMENDED CC&A	Mode of Storage & Disposal
L.	Chemical Sludge from wastewater treatment	35.3	(40215 MT Chemical Sludge from wastewater treatment (existing as per CCA))	5 MT (Chemical Sludge from wastewater treatment)	10,005 MT (10,000 MT	Collection, storage, transportation & disposal at TSDF site of BEIL OR disposal by selling to end users under Rule-9.
2.	Speni Catalyst	17.2	from PA Plant added in Non-Haz Waste list) 25 MT	0	25 MT	Collection, storage transportation & disposal at TSOF site of BEIL.
3.	Spent carbon (from filters)	36.2	40.33 MT	0	40.33 MT	Collection, storage transportation & disposal a TSDF site of BEIL Of disposal by selling to end user under Rule-9.
4.	Used Sparit Oil	5.1	101 KL	29KL	130 KL	Collection, storage transportation & disposal b selling to registered re- refiners.
5.	Spent ion exchange resin	35.2	J MT	4	5 MT	Collection, storage transportation & disposal a TNDF site of BEIL.
6	Discarded Containers	33.3	2,000 Nes.	590 Nos.	2,500 Nos.	Collection, storage
	Bags Liners		25 MT	525 MT	550 MT	disposal by selling to vendor under Rule 9.
7.	Incinerable Waste	36.1	142 MT	0	142 MT	Collection, storage transportation & disposal a CHWIF site.
8.	Spent Acid (HCl)	B15	L42,500 MT	70	1,42,500 MT	Collection, storage transportation throag pipeline and disposal beconsuming in-house imanufacturing process of Plu Aluminium Chloride an Phosphoric Acid and selling tend user.
9.	Spent Acid (Dilute Sulphuric Acid)	B15	15,500 MT	0	15,500 MT	Collection, sterage transportation and disposal b selling to end user under Rule 9.



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Sr. No.		Schedule/ Category	Quantity per Annum			
	Name of Waste		Existing as per LATEST CCA issued with no. AWH- 118058 dated: 18/06/2022	Proposed Extra	Total Proposed for AMENDED CC&A	Mode of Storage & Disposal
10.	Heaching Liquid (Consists of 3% Hypo, 10% CaCl ₂ , 65% in 75% water)	7	60,000 MT	0	60,000 MT	Collection, storage transportation and disposal by selling to end user.
11.	Sodium Chloride (consists of 90% NaCl)	-	6,000 MT	0	6,000 MT	Collection, storage transportation and disposal by selling to end user or TSDS site OR disposal by selling to end users under Rule-9.
12.	lirine Sludge	16.3	6,066 MT	.0	6,066 MT	Collection, storage transportation & fisposal a TSDF site of BEIL or Selling to end user under Rule 9
13	Aluminium Dress Waste		50 MT	Б	50 MT	Collection, storage transportation and disposal a TSDF site or selling to actual end user under Rule 9.
14	Batteries	-	100 Nos.	0	100 Nos.	Collection, storage, disposal a per the Batteries Management and Handling Rules, 2010
15	E-Waste	-	LMT	0	1 MT	Collection, storage, disposal a per the E-Waste Managemen Rules 2016
16.	Invalating Material		25 MT	25 MT	50 MT	Collection, storage, dispose by selling to authorize recycler.
17.	Residue or sludges and filter takes	16.2	0	1500 MT	1500 MT	Collection, storage transportation and disposal a TSDF site.

E. DETAIL OF NON-HAZARDOUS WASTE MANAGEMENT SYSTEM.



Dr. Jivraj Mehta Institute of Technology,

(Approved by AICTE, New delhi and Affiliated to GTU, Ahmedabad)
Managed by : Charuttar Education & Navrachana Trust, Anand.

Sr. No	Name of Waste	Schedule / Category	Existing as per LATEST CCA issued with no. AWH- 118058 dated: 18/06/2022	Proposed Extra	Total Proposed for AMENDED CC&A	Mode of Storage & Disposal
1.	Fly Ash	-	86,400 MT	25,200 MT	1,11,600 MT	Collection, storage, transportation & disposal by selling to brick manufacturing as per fly ash notifications/ rules.
2.	Phosphogyp sum Sludge from PA Plant *		30,215 MT (Part of 40215 MT Chemical Sludge)	9=	30,215 MT	Collection, storage, transportation & disposal as per the "Guidelines for Management, Handling, Utilisation and Disposal of PhosphoGypsum Generated from Phosphoric Acid Plants" issued by Central Pollution Control Board in October 2014.

♦ CONCLUSION:

Based on the EMS study of M/s. Grasim Industries Limited, Chemical Division, Plotno.1, GIDC, Vilayat-392012., it is concluded that the proposed system under Water Act, Air Act and Hazardous Waste Rule will be adequate and efficient.

This EMS certificate is valid subject to following conditions:

- Unit has to do production of products mentioned in Table No. 1 with its capacity.
- As unit has adequate ETP and STP for treatment of domestic and industrial wastewater, unit
 has to operate ETP and STP efficiently to achieve the outlet norms.
- Dedicated In-house wastewater testing laboratory should be functioning to monitor the performance of ETP and outlet samples to be observed.
- The inlet quality of the waste water should be as per table no. 6A.
- The quantity of water consumption & wastewater generation should not be more than the quantity mentioned in Table No. 3 and 4.
- The unit shall install adequate APCM & Stack height before operating the Boiler, D. G. Set, as mentioned in Table No.7.
- The type & quantity of a fuel shall not exceed the limit mentioned in Table No. 8.



Dr. Jivraj Mehta Institute of Technology,

(Approved by AICTE, New delhi and Affiliated to GTU, Ahmedabad)
Managed by : Charuttar Education & Navrochana Trust, Anand.

- Unit shall adequately manage the generated Hazardous Waste as mentioned in Table No. 10.
- Unit shall install & operate ETP regularly & efficiently as per prescribed norms and table no 6.

This Certificate is subject to automatic cancellation in case of any change in Product Profile/ Capacity, Quality & Quantity of Effluents (Air + Water + Solid), Manufacturing Process & EMS (Environment Management System).

Place: Anand

Date: 14/10/2022

Signatures of Audit Team - Audit ID: 2301

Dr. Devang A. Shah

Chief Scientist, COE, ETRL, COE, ETRL, DJMIT, Mogar Mansi Patel

Lab Chemist, DJMIT, Mogar



CCA Compliance Report

CCA of the board vide order no. AWH-98281 dated 29/12/2018 with 1st amendment letter no. GPCB/BRCH-B/CCA-70-A(5)/ID-41279/506831 dated 16/05/2019, 2nd amendment vide letter no. GPCB/BRCH-B/CCA-70-A(6)/ID-41279/526734 dated 13/11/2019 and 3rd CCA amendment No. AWH-118058 vide letter no. GPCB/BRCH-B/CCA-70(8)A/ID-41279/675546 dated 18/06/2022 valid upto 02/03/2024

Sr.				_						
No.			CCA Cond	itions				Complia	nce	
1	Conse	ent Order No. AV	VH-98281 c	dated 29/12	2/2018		Noted			
2		Consent under W					Complied			
		3/2024. The Cons				ation		e manufacti	uring	
		Environment (P			•		1		ranted CCA	
		02/03/2024 to o					by Boa		antea ee, t	
		following additi			TOI THAITAIL	icture		ction data fi	om Anril	
	Sr.	Name of		tity (MT/An	num)	1			22 is given	
	No.	Product	Existing	Proposed	Total			ow table.	ZZ IS GIVEII	
	1	Caustic Soda	365000	_	365000	1	III Deic	w table.		
	-	Lye				_				
	2	Hydrogen	102200000 (Nm3)	-	102200000 (Nm3)					
	3	Liq Cl2/Sodium Hypochlorite/HCl	328500	-	328500					
	4	Poly Alluminium Chloride	250000	-	250000					
	5	Chlorinated Paraffin Wax	70000	-	70000					
	6	Alluminium Chloride	25000	-	25000					
	7	Stable Bleaching Chloride	61000	-	61000					
	8	Phosphoric Acid	35000	-	35000					
	9	Calcium Chloride	87600	-	87600					
	10	Captive Power Plant	96 MW	-	96 MW					
	11	Alluminium Chlorohydrate (Super Coagulant)	5000	-	5000					
	12	Calcium Hypochlorite	24000	-	24000					
			Proposed							
	13	Methyl Chloride								
	14	Methylene Chloride (50- 80% of total Production)								
	15	Chloroform (15- 40% of total production)	-	54000	54000					
	16	Carbon Tetra Chloride (5-10% of total Production)								
	Sr.	Name of		•	Product	ion Qty	. (MT)			
	No.	Product	Apr, 22		2 June, 2	22 J	uly, 22	Aug, 22	Sept, 22	
	1	Caustic Soda Lye	28855	29945			29513	28302	28161	
	2	Hydrogen	1106961	154799	2 127920	5 1	161594	1460060	1835616	
	3	Liq Cl2/Sodium Hypochlorite/HCl	26739	27818	26161		27427	26286	26149	
	4	Poly Alluminium Chloride	16163	17199	14683	}	15961	13456	14626	

	5	Chlorinated Paraffin Wax	3691	3786	3473	3810	3474	3677
	6	Alluminium Chloride	1600	1642	1584	1643	1640	1567
	7	Stable Bleaching Chloride	2091	1916	2190	2021	2024	1947
	8	Phosphoric Acid	1032	970	1015	1101	1050	776
	9	Calcium Chloride	1733	1409	1625	1450	1464	1513
	10	Captive Power Plant	76	81	78	77	73	77
	11	Alluminium Chlorohydrate (Super Coagulant)	186	224	100	223	354	190
	12	Calcium Hypochlorite	92	364	195	106	323	343
	13	Methylene Chloride	0	0	1850	1999	2276	2520
	14	Chloroform	0	0	1023	1024	1117	1205
	15	Carbon Tetra	0	0	124	146	147	135
		Chloride		-		-		-
3		IFIC CONDITION						
3.1	carry Notifi	applicant shall not out any activities cation dated 14/0 requiring prior EC	for products 9/2006 as ar	/process lis nended fro	ted in the El m time to	Ve ard out ac product Notifict 14/09, from t	tivities for cts/process ation dated /2006 as ar ime to time obtained pri	nended
3.2	Applio	cant shall strictly o	comply/fulfill	all the cond	ditions	Compl		
	vide r	ated by competer no. SEIAA/GUJ/EC A/GUJ/EC/5(f)&4(n	:/F(f)/96/201	4, dated 01	/08/2014 &	the co compe order submit	e complying nditions stip etent author of EC and a tting half ye ance repor- rities.	oulated by rity in the Ilso early
3.3						as per EIA nended and we		
3.4	Unit s	shall use fresh Rav	w materials o	nly.			& Complied	t
3.5	Unit shall use fresh Raw materials only. Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MOU with such authorized end-users and submit MOU.					CCA a	ied	r hazardous ed end has valid ermission.
3.6	ceme	e efforts shall be not industry for co- sposed through ot	processing f			Noted		
3.7	be disposed through other option. Unit shall follow spent solvent management guidelines framed by board and shall make MoU with outside Not Applicable							

	distillation units, if any. Also submit the prescribed forms as per guideline. As in our unit, no spent solvent are used or generate.				
3.8	Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline. Complied We are strictly following Co Handling guideline and also provided lime dosing syste and ESP as an APCM.				d also system
3.9	Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.	Complied We are strictly following Coal Handling guideline farmed by Board and provided 2 nos. of Close Ash handling Silos.			
3.10	Unit shall strictly follow the Fly Ash Notification for disposal of generated Ash.	Complied We are strictly following Fly Ash Notification for disposal of Ash. There is 100% utilization of Ash.			
3.11	Unit shall install online Continuous Emission Monitoring Systems (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacity or equivalent capacity of TFH.	Complied We have provided CEMS for Boiler 1 & 2 (175 TPH) and Boiler 3&4 (175 TPH) and also connected with Server of CPCB for real time data transfer.			
4	CONDITIONS UNDER WATER ACT				
4.1	The quantity of the Total Water consumption shall not exceed 19069.5 KL/Day (Existing 18525 KLD + Proposed 544.5 KLD). (Break up as below) (a) Domestic: 471 KLD (Existing 466 KLD + Proposed 5 KLD) (b) Industrial: 18598 KLD (Existing 18525 KLD +	consum	antity of option is oed limit	as per	
	Proposed 544.5 KLD)	Mont h	Industrial	Domestic	Total
		Apr,2	48333 6	632 5	48966 1
		May,2	52193 0	633 0	52826 0
		June, 22	49232 4	632 8	49865 2
		Jul,22	49851 3	632 5	50483
		Aug,2	46518 0 47913	633 3 625	47151 3 48539
		Sept,	3 4651	8 625	46539 1 4715
		Min	80 5219	8 633	13 5282
		Max Avg	30 4900	3 631	60 4963
4.2	The quantity of total wastewater generation shall not	Complie		7	86
	exceed 6241.3 KL/day (Existing 5975.8 KLD + Proposed 265.5 KLD) (Break up as below) a) Domestic: 356.8 KLD (Existing 352.8 KLD + Proposed 4 KLD)	wastew	antity of ater ger scribed	neratio	n is as

	b) Industrial: 5884.5 KLD (Existing 5623 KLD + Proposed 261.5 KLD)			astewa eration		
	* Total quantity of wastewater discharge of the group companies (i.e. Chemical division + Cellulosic division + Epoxy Division) shall not exceeds 19.4 MLD at any time.	Mont h	Industrial	Domestic	Total	
		Apr,22	37314	6325	43639	
		May,2 2	38492	6330	44822	
		June,2	40926	6328	47254	
		Jul,22	42248	6325	48573	
		Aug,2	35608	6333	41941	
		Sept,2 2	40329	6258	46587	
		Min	3560 8	625 8	4194 1	
		Max	4224 8	633 3	4857 3	
		Avg	3915 3	631 7	4546 9	
	manufacturing process and other ancillary industrial operations shall not exceed 5884.5 KLD and the quantity of domestic wastewater (sewage) shall not exceed 356.8 KLD.	wastewa per pres The qua wastewa	ater ger scribed intity of ater (se scribed water	ntity of total Iter generation is as cribed limit. Intity of domestic Iter (sewage) is as cribed limit. Wastewater Generation (KL)		
		Mont h	Industrial	Domestic	Total	
		Apr,22	37314	6325	43639	
		May,2	38492	6330	44822	
		June,2 2	40926	6328	47254	
		Jul,22	42248	6325	48573	
		Aug,2	35608	6333	41941	
		Sept,2	40329	6258	46587	
		Min	3560 8	625 8	4194 1	
		Max	4224 8	633 3	4857 3	
		Avg	3915 3	631 7	4546 9	
4.4	5620 KLD of biodegradable industrial effluent shall be sent to ETP for primary, secondary & tertiary treatment. After treatment 5520 KLD of the treated effluent shall be sent for disposal into GIDC underground drainage- Dahej Vilayat pipeline /common disposal system up to the sea and 400 KLD of the treated effluent shall be reused/recycled/reduced.	Complie After pr industria seconda treatme and the disposal undergr Vilayat I disposal sea.	imary tral efflue bry & ten nt to Fil n sent f into GI ound dro pipeline	nt is sertiary ber divor fina DC ainage	ent for ision e-Dahej mon	

			Treated effluent is
			reused/recycled/reduced in
			different plant operations. Reuse/Recycled
			Month Qty. (KL)
			Apr,22 5540
			May,22 4530
			June,22 7860
			Jul,22 7654
			Aug,22 5430
			Sept,22 6754
			Total 37768
4.5	@ 3 KLD additional wastew	ater generated from the process	Complied
		Aluminum Chloride) plant for	@ 3 KLD of wastewater
	reuse.	, administration plane is:	generated from the
	reuse.		Aluminum Chloro Hydrate
			process is reused into PAC
			(Poly Aluminum Chloride)
			plant for reuse.
4.6	After proposed expansion, a	addition wastewater generation	Complied
		of which from cooling (147 KLD)	After proposed expansion,
		shall be taken to RO Plant. RO	additional wastewater
		be reused in process and RO	generation not exceeded
	reject (50 KLD) shall be use	•	from 261.5 KLPD.
	reject (50 KLD) shall be use	d for coar spriffkillig.	Out of which cooling
			wastewater and process
			wastewater taken to RO
			plant and RO Permeate is
			reused and RO reject used
			for Coal sprinkling.
4.7	Total 356.8 KLD Domestic v	vastewater sewage shall be	Complied
	treated in STP and treated	waste water shall be used for	Domestic wastewater
	gardening purpose after co	nforming following prescribed	sewage treated in existing
	norms.	merring renerming presented	STP and treated wastewater
	Parameters	GPCB Norms	used for gardening purpose
		6.5 to 9	after confirming norms. STP
	pH		_
	TSS	<100 mg/l	Treated wastewater reports
	Fecal Coliform (Most	<1000 MPN/100 ml	are attached.
	Probable Number per		
	100 milliliter,		
	MPN/100ml)		
	BOD (3 days 27° degree	30 mg/l	
	C)		
4.6	L - /	ent shall conform to the following	Complied
7.0			
		GIDC Sewer line Dahej-Vilayat	We are confirming the GPCB
		system upto the sea for final	prescribed standards for
	disposal at NIO designated		treated effluent prior to
	Parameters	Permissible Limit	disposal.
	pH	6 to 9	Treated effluent quality
	Temperature	Shall not exceed more than 5°c above ambient water	reports are attached.
	remperature	temperature	
	Total Suspended Solids	100 mg/l	
	Oil & Grease	10 mg/l	
	Phenolic Compounds	5 mg/l	
	Cyanides	0.2 mg/l	
	Fluoride	15 mg/l	
	Sulphides	5 mg/l	
	Ammonical Nitrogen	50 mg/l	
	Total Kjeldahl nitrogen (TKN)	50 mg/l	

	I		
	Nitrate Nitrogen	50 mg/l	
	Total Res. Chlorine	1 mg/l	
	Arsenic	0.2 mg/l	
	Trivalent Chromium	2 mg/l	
	Hexavalent Chromium Copper	0.1 mg/l	
	Lead	3 mg/l 0.1 mg/l	
	Mercury	0.1 mg/l	
	Nickel	3 mg/l	
	Zinc	15 mg/l	
	Cadmium	0.05 mg/l	
	BOD (3 Days at 27°C)	100 mg/l	
	COD	250 mg/l	
	Selenium	0.05 mg/l	
	Vanadium	0.2 mg/l	
	Manganese	2 mg/l	
	Iron	3 mg/l	
		90% survival of fish after 96	
	Bio-Assey Test	hrs in 100% effluent	
4.7	The unit shall affix of water	meters as per Section 4 (I) of	f Complied
		Control of Pollution Cess Act)	
	1974 for the purpose of me		Meter at the inlet. Logbook is
			_
	quantity of water consumed		maintained to record the
		d it shall be presumed that th	
	quantity indicated by the m	eter has been consumed by t	he
	industry until the contrary is	s proved.	
4.8		WING SPECIFIC CONDITI	ONS UNDER WATER ACT:
4.8.		r of Dahej CETP as & when co	
l			
1	up and sent its industrial wa	aste water, if required.	We shall become a member
			of Dahej CETP as & when
			required.
4.8.	The effluent shall be strippe	d off, of VOC's in a closed sys	tem Noted
2	before further treatment int		We shall strip off VOC's if
_	before further deadliche int	O EII .	required. Our effluent does
			·
			not contain VOC's.
4.8.		ffluent holding facility for at l	
3	48 hrs, having vertical tank	design preferably.	We have provided treated
			effluent holding facility for 48
			hrs.
4.8.	Applicant shall carry out	Bio Assay Toxicity test for	i
4		same shall be submitted to	
	GPCB.		treated waste water is being
			carried out by NABL
			accredited laboratory and
			submitted regularly. Reports
I			, subtinition requirity, includes
1			
4.0	Holt shall install santing	in monitoring as well as all	area attached.
4.8.		us monitoring as well as al	area attached. arm Complied
4.8. 5	system for parameters of tre	eated effluent, such as pH me	area attached. arm Complied oter, Online Monitoring System for
1	system for parameters of tre		area attached. arm Complied oter, Online Monitoring System for
1	system for parameters of tro TOC analyser, magnetic flo	eated effluent, such as pH me w meter along with totalizer	area attached. arm Complied tter, Online Monitoring System for and parameters of treated
1	system for parameters of trace TOC analyser, magnetic florecorder at the final outle	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E	area attached. arm Complied online Monitoring System for parameters of treated effluent, such as pH meter,
1	system for parameters of tre TOC analyser, magnetic flo recorder at the final outle Records of the same shall	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, the TSS Meter and flow meter
1	system for parameters of trace TOC analyser, magnetic florecorder at the final outle	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, the TSS Meter and flow meter along with totalizer and
1	system for parameters of tre TOC analyser, magnetic flo recorder at the final outle Records of the same shall	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are
1	system for parameters of tre TOC analyser, magnetic flo recorder at the final outle Records of the same shall	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are installed and records of the
1	system for parameters of tre TOC analyser, magnetic flo recorder at the final outle Records of the same shall	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are
1	system for parameters of tre TOC analyser, magnetic flo recorder at the final outle Records of the same shall	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are installed and records of the same are maintained
5	system for parameters of treation TOC analyser, magnetic florecorder at the final outle Records of the same shall unit and shall be submitted	eated effluent, such as pH meword meter along with totalizer to factory drain/ pipe of the maintained invariably by to GPCB every month.	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are installed and records of the same are maintained regularly.
4.8.	system for parameters of the TOC analyser, magnetic flo recorder at the final outle Records of the same shall unit and shall be submitted Applicant shall ensure & unit and s	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by to GPCB every month.	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are installed and records of the same are maintained regularly. aper Complied
5	system for parameters of treation TOC analyser, magnetic florecorder at the final outle Records of the same shall unit and shall be submitted	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by to GPCB every month.	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are installed and records of the same are maintained regularly. aper Complied We have taken undertaking
4.8.	system for parameters of the TOC analyser, magnetic flo recorder at the final outle Records of the same shall unit and shall be submitted Applicant shall ensure & unit and s	eated effluent, such as pH me w meter along with totalizer t of factory drain/ pipe of E be maintained invariably by to GPCB every month.	area attached. arm Complied Online Monitoring System for parameters of treated effluent, such as pH meter, TSS Meter and flow meter along with totalizer and recorder at the final outlet are installed and records of the same are maintained regularly. aper Complied

4.8. Name of the unit & technical relevant details shall be prominently written/ printed on mouth of pipeline into GIDC U/G drain & shall be made visible to inspecting officials.

Complied

We have displayed the unit & technical relevant details on mouth of pipeline into GIDC U/G drain.

5. | CONDITIONS UNDER AIR ACT:

5.1 The following shall be used as fuel in Boiler/ D. G. Set respectively.

respectively.

Sr. No.	Fuel	Quantity			
31.140.	ruei	Existing	Proposed	Total	
1	Coal	72000	-	72000	
1	Coai	MT/Month		MT/Month	
2	HSD	2200 Lit/	200 Lit/Hr	2400 Lit/Hr	
	1130	Hr		2 1 00 Lit/111	
3	2 Undragon		200	200 NM3/hr	
3	Hydrogen	_	NM3/hr		

Complied

Fuel consumption is as per prescribed limit.

Mont	Coal	Diesel
Mont h	MT/Mo nth	Liters/Mo nth
Apr- 22	46821	0
May- 22	57524	0
Jun- 22		
Jul- 22	60152	0
Aug- 22	48972	0
Sep- 22	46594	0
Min	46594	0
Max	60152	0
Avg	52529	0

5.2 The flue gas emission through stack attached to Boiler/ D. G. Set shall conform to the following standards.

	Cha ala	Charle Charle		Air emission
Sr. No.	Stack attached to	Stack height in meters	APCM	Parameter & Permissible limit
		Existing]	
1.	Boiler 1 & 2	125	ESP & Low NOx	
2.	Boiler 3 & 4	125	burner	PM - 150
3.	D. G. Sets (1875 KVA - 4 Nos.)	36		mg/Nm ³ SO _x - 100 ppm NO _x - 50 ppm
4.	D. G. Sets (750 KVA - 3 Nos.)	11		
5.	Stack attached to primary coal crusher-1	22.4	Bag Filter	PM < 150 mg/Nm ³
6.	Stack attached to primary coal crusher-2	30.3	Bag Filter	PM < 150 mg/Nm ³
		Propose	d	
7.	DG Set (750 KVA - 1 Nos.)	11	-	PM- 150 mg/Nm3 SOx- 100 ppm NOx- 50 ppm
8.	Volatile Reduction Chamber (VRC)	35	Water & Caustic Scrubber	NOx- 50 ppm HCl- 20 mg/m3 Cl2- 9 mg/m3

- Complied
- We are conforming the GPCB prescribed standards for flue gas emission.
- Flue gas emission reports are attached.
- Also please note that Online Monitoring facility has been provided for Boiler 1 & 2 and 3&4 which are also connected with GPCB & CPCB server.

5.3 The process emission through various stacks/ vent of reactors, process, vessel shall conform to the following standards

		Stack	Air	Air emission
Sr. No.	Stack attached to	height in meters	Pollution Control	Pollutant & Concentration
		Existin	System	
	Sodium Hypo	LAISCIII	9	
1	stack 1 (Caustic Plant)	35	Alkali Scrubber	Cl2 - 9 mg/Nm3
2	HCl stack 1 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system.	HCl - 35
3	HCl stack 2 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system.	mg/Nm3
4	Poly Aluminium Chloride liquid	35	Water scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
5	Chlorinated Paraffin Plant	35	Alkali scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
6	Aluminium Chloride	35	Alkali scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
7	Stable Bleaching Powder Plant	35	Alkali scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
8	Phosphoric Acid	35	Water Scrubber	HCl - 20 mg/Nm3 HF - 6 mg/Nm3
9	Calcium Chloride	35	Water Scrubber	HCl - 20 mg/Nm3
10	Sodium Hypo stack 2 (Caustic Plant)	35	Alkali Scrubber	Cl2 - 9 mg/Nm3
11	HCl stack 3 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system.	HCI - 35
12	HCl stack 4 (Caustic Plant)	35	Water Scrubber having bubble cap tray absorption system.	mg/Nm3
13	Poly Aluminium Chloride liquid	35	Water Scrubber System	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
14	Poly Aluminium Chloride powder	35	3 stage Water Scrubber	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
15	Chlorinated Paraffin Plant	35	Alkali scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
16	Aluminium Chloride	35	Alkali scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3
17	Stable Bleaching Powder Plant	35	Alkali scrubbing system	HCl - 20 mg/Nm3 Cl2 - 9 mg/Nm3

- Complied
- We are conforming the GPCB prescribed standards for process emission.
- Online Monitoring facility has been provided for Sodium Hypo stack 1 & 2 and HCl stack 1, 2, 3 and 4 which are also connected with GPCB & CPCB server.
- Process Emission reports are attached.

					1	1	
	18	Vent attached to reactor	35		H2 gas *		
	19	Vent attached to dryer-1 (HSBP)	21	Bag Filter	PM < 150 mg/Nm3		
	20	Vent attached to dryer-2 (HSBP)	21	Bag Filter	PM < 150 mg/Nm3		
	21	Vent attached to reaction vessel-1 (HSBP)	21	Water/ Caustic Scrubber	Cl2 < 5 mg/Nm:	3	
	22	Vent attached to reaction vessel-2 (HSBP)	21	Water/ Caustic Scrubber	Cl2 < 5 mg/Nm	3	
		(1351)	Propos	ed			
	23	Hydro Chlorinator – CMS Plant	35	Alkali Scrubber	HCl-20mg/Nm3	1	
	24	Crude CMS Distillation CMS Plant	35	Condenser and guard condenser with cooling		ļ	
	25	Heavies CMS Distillation CMS Plant	35	water circulation & chilled circulation	VOC-1µg/m3		
	* Indus	try shall take al	Inrecai		at there shall	he no	
		of H_2 gas.	. р. сса.			20	
5.4	The apparent	olicant shall inst te air pollution ned below.					 Complied Adequate Air Pollution Control Equipment are installed to achieve prescribed standards. Air Pollution Control Equipment are installed as per CC&A.
5.5	etc. sha	nonitoring facilit III be provided v e sampling gase	vith sta	cks/ vents	chimney in or	der to	Complied stack monitoring facilities like Port-hole, platform/ ladder etc. have been provided to facilitate sampling.
5.6	Ambien	t air quality wit	nin and	outside th	e premises of	the	Complied
		ıll conform Nati					There are 4 nos. of ambient
		by MoEF vide			16/11/2009 aı	nd	air quality monitoring
	Inamily t	to the following	Stariua	Permissibl	e Limit		stations covering all directions in nearby villages
	Sr.	Parameter		(microgra	m/m3)		
	no.	rai aineter	A	nnual	24 Hours		(Derol, Sarnar, Argama & Vilayat).
	1	Particulate matter (PM10)		60	Avearge 100		Also there are 4 nos. of
	2	Particulate matter (PM2.5)		40	60		ambient air quality monitoring stations inside
	1	Oxides of Sulphur (SOx)		50	80		the premises.
	2	Oxides of Nitrogen		40	80		Ambient air monitoring
		(NOx) I arithmetic me	an of m			ments	reports are attached.
		r arithmetic me ir at a particula					
	_	intervals.	31C C	INCIT COVICE (A VVCCR Z I IIU	uriy ut	
		ourly or 8 hour	ly or 1 l	hourly mon	itored values	as	
		ole, shall be cor					

5.7	year, 2% of the time, they may exceed the limits but not on two consecutive days of monitoring. Note:- Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation. The applicant shall operate industrial plant/ air pollution	Complied
	control equipment very efficiently and continuously so that the gaseous emission always conforms to the given standards.	All the Air Pollution Control equipments and industrial plant is operated very efficiently and continuously and conforming the given standards.
5.8	The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the conditions.	Noted
5.9	The applicant shall provide portholes, ladder, platform etc. at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/ and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.	Complied Port-hole, platform/ ladder etc. as stack monitoring facilities have been provided to facilitate sampling.
5.10	All measures for the control of environmental pollution shall be provided before commencing production.	Complied Before the plant operation we have taken all measures for the control of
		environmental pollution.
5.1 1	SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS	environmental pollution.
I	SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS Total control of odour nuisance from the plant premises, shall be achieved & maintained by the applicant continuously.	environmental pollution.
5.11 .1	Total control of odour nuisance from the plant premises, shall be achieved & maintained by the applicant continuously. The applicant shall install continuous/ online monitoring system on the stacks for the parameters such as SO ₂ , NO _x , PM, HCl, Cl ₂ etc. and the same shall be connected to GPCB server.	environmental pollution. UNDER AIR ACT: Complied We have provided Chlorine and HCl sensors at different plant locations to control the odour nuisance. Complied Online Monitoring system has been installed for 2 nos. Boiler Stacks of Power Plant, 2 nos. of Sodium Hypo Stack of Caustic Soda Plant and 4 nos. HCl Stacks of Caustic Soda plant and all the stacks are connected to GPCB & CPCB server.
5.11 .1 5.11 .2	Total control of odour nuisance from the plant premises, shall be achieved & maintained by the applicant continuously. The applicant shall install continuous/ online monitoring system on the stacks for the parameters such as SO ₂ , NO _x , PM, HCl, Cl ₂ etc. and the same shall be connected to GPCB server. AUTHORISATION FOR THE MANAGEMENT & HANDLIN Form-2 (see rule 6(2))	environmental pollution. UNDER AIR ACT: Complied We have provided Chlorine and HCl sensors at different plant locations to control the odour nuisance. Complied Online Monitoring system has been installed for 2 nos. Boiler Stacks of Power Plant, 2 nos. of Sodium Hypo Stack of Caustic Soda Plant and 4 nos. HCl Stacks of Caustic Soda plant and all the stacks are connected to GPCB & CPCB server.
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Sr	Type of	Catego				Diamoral
N o.	Waste			ear	Disposal	
	Ch		E	P	Т	
1	Chemica I sludge from Waste water treatme nt	35.3	4016 0	55	4021 5	Collection, storage, transportation & disposal at approved TSDF Site.
2	Spent Carbon	36.2	0.33	40	40.33	Collection, storage, transportation & disposal at approved TSDF Site.
3	Used Spent Oil	5.1	100.5 kL	0.5 KL	101 KL	Collection, storage, transportation & disposal by selling to registered re-refiners
4	Spent ion exchang e resin	35.2	0.33	0.67	1	Collection, storage, transportation & disposal at approved TSDF Site.
5	Discarde d containe r /	33.1	1700 nos.	300 Nos	2000 Nos	Collection storage, Decontamination/Detoxif ication, reuse, transportation and
	Bags / Liners		25	0	25	disposal by sending to authorised recyclers/refiners
6	Incinera ble Waste	36.1	37	105	142	Collection, storage, transportation, disposal at CHWIF site
7	Spent Acid* (HCI)	B15	1155 00	270 00	1425 00	Collection, storage, transportation through pipeline and disposal by consuming (60000 MT/Year) in-house in manufacturing of Poly Aluminium Chloride. Collection, storage, and disposal by sending (82500 MT/Annum) to Actual users/end-users having rule-9 permission & valid CCA after making MOU.
8	Spent Acid** (Dilute Sulphuri c Acid)	B15	7500	800 0	1550 0	Collection, storage, transportation and disposal by sending to authorised actual users/end user having rule-9 Permission & valid CCA after making MOU.
9	Bleachin g Liquid (consists of 3% Hypo, 10% CaCl2, 65% to 75% water)		6000 0	-	6000 0	Collection, storage, transportation and disposal by sending to authorised actual users/end user having rule-9 Permission & valid CCA after making MOU.
10	Sodium Chloride (consist of 90% NaCl)		6000	-	6000	Collection, storage, transportation & disposal at approved TSDF Site.
11	Residue/ sludge & filter cake	16.2	6066	-	6066	Collection, storage, transportation & disposal at approved TSDF Site.
			Pı	roposed	I	Callanti
12	Spent Catalyst	17.2	0	25	25	Collection, storage, transportation & disposal at approved TSDF Site.
13	Allumini um Dross Waste	-	0	50	50	Collection, storage, transportation & disposal at approved TSDF Site.

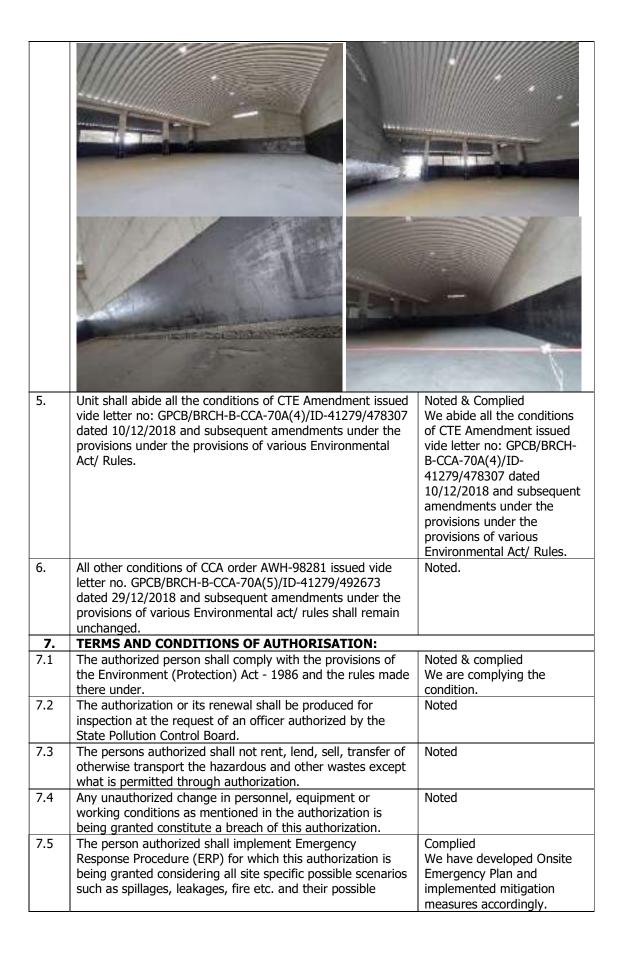
of wastes is being carried out as per granted CC&A.

	14	Batterie s	-	0	100 Nos.	100 Nos.	Collection, storage, transportation & disposal as per the batteries Management and Handling Rules, 2010.	
	15	E-Waste	-	0	1	1	Collection, storage, transportation & disposal as per the E-Waste management Rules-2016	
	16	Insulatin g Material	-	0	25	25	Collection, storage, reuse, transportation and disposal at approved TSDF.	
				Non-Ha	zardous	Waste		
	17	Fly Ash	1	8640 0	-	8640 0	Collection, storage, transportation, disposal by selling to brick manufacturing as per fly ash notifications/rules.	
6.3	The authorization is granted to operate a facility for						a facility for	Complied
	collection, storage, within the factory premises						We are complying the	
	1	•	•				lazardous wastes as	condition.
		tioned in					iazai uous wasies as	Condition.
C 1								NI-L-J
6.4	1		ition sna	ili be ir	1 Torce	e for a	period up to date	Noted.
	02/0	3/2024.						We shall apply for the
								renewal of authorization
								before due date.
6.5	The	authoriza	ation is s	ubiect	to the	e condi	tions stated below	Noted
	and such other conditions as may be specified in the rules					11000		
	1986		unic uni	acı tile	. LIIVII	OHITICI	t (Protection) Act-	
6.6			vide sen	arate.	adegi	uate st	orage areas for raw	Complied
							lous wastes,	Separate storage area for
							/ used / waste etc.	raw materials, products,
	IIICIG	unig ioi	containe	.15 CO11	canini	9 11 6311	/ uscu / wuste etc.	each type of hazardous
								wastes has been provided.
								wastes has been provided.
		110	양					



6.7 Unit shall cover the open portion on both sides of the hazardous waste storage area by providing GI sheets from the top to the bottom as well as provide slanted sheets in the front portion to prevent ingress of water from outside.

Complied
We have covered open
portion of hazardous waste
storage area from the top to
the bottom to prevent
ingress of water from
outside.



	impacts also carry out mock drill in this regard at regular interval of time.	
7.6	The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environment Damages due to Handling and Disposal of Hazardous Waste and Penalty".	Noted & Complied
7.7	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	Noted
7.8	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.	Not Applicable
7.9	The record of consumption and fate of the imported hazardous and other wastes shall be maintained.	Not Applicable
7.10	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other waste shall be treated and disposed of as per specific conditions of authorization.	Not Applicable
7.11	The importer or exporter shall bear the cost of import or export and mitigation of damages if any.	Not Applicable
7.12	An application for the renewal of an authorization shall be made as laid down under these rules.	Noted
7.13	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted
7.14	Annual Return shall be filed by June 30th for the period ensuring 31st March of the year.	Complied Annual return is filled by June 30th every year.
8.	GENERAL CONDITIONS:	
8.1	Any change in personnel, equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.	Noted
8.2	Applicant shall also comply with the general conditions given in Annexure-I attached herewith (No. 1 to 38).	Noted & Complied The general conditions given in Annexure-I will be complied.
8.3	The applicant shall not carry out any activities for which required clearances are not obtained.	Noted
8.4	If it is established by any competent authority that the damages caused due to their industrial activities to any person or his property, in that case they are obliged to pay the compensation as determined by competent authority.	Noted
8.5	Regular maintenance of the pipeline shall be carried out to avoid any spillage or leakage during conveyance of the effluent.	Complied Preventive maintenance schedule is being followed.
8.6	Unit shall keep accurate records of their water consumption and wastewater generation, discharge, quantity of each product manufactured and consumption of electricity on day-to-day basis and shall be required to submit the compiled record of each month of GPCB on or before seventh day of the succeeding month. Separate logbooks shall be maintained for recording all the necessary data.	Complied We are maintaining & submitting (Monthly patrak on xgn site) the water consumption and wastewater generation, discharge, quantity of each product manufactured and consumption of electricity on day-to-day basis.

8.7	Magnetic flow meters shall be installed at the various stages of inlet & outlet of pipeline to measure the quantity of effluent at each stage of conveyance.	Complied We have provided flow meters installed at the various stages of inlet 8 outlet of pipeline.
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We have carried out following CSR Activities in nearby villages:

- 1. Procured Mobile medical van and started the periodic medical check-up in nearby villages.
- 2. Exhibition @ Hotel Lord Plaza Bharuch
- 3. Artificial Insemination -231
- 4. Blood Donation Camp organized at Grasim Plant 84 Employees Donated Blood
- 5. Diwali Craft Exhibition with Co-ordination with Kalrav School (Day Care School for Especially Abled Children)
- 6. Specialized Orthopedic Health Camp arranged @ Vilayat Village- Total Patients 328
- 7. Rs. 3000 Scholarship given to 197 girl children for students going for Higher Education Post Primary School
- 8. 50 Mal Nutrition Kit given to Pregnant Women of Vilayat village and Vorasamni Village.
- 9. Shed Work Done at Derol High School
- Dermatologist Specialized Health Camp at Vilayat Village on 12-12-2021 Total Beneficiaries –
 101
- 11. Vilayat School Building Renovation in Progress.

Glimpse of Diwali Craft Exhibitions



Glimpse of Specialized Orthopaedic Camp













Glimpse of Shed Work Done at Derol High School





Glimpse of Dermatologist Specialized Health Camp at Vilayat













Media Coverage











GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10 A. Gandhinagar 382010

Phone (079) 23222425

(079) 23222152

Fax (679) 23232156 Website : www.gpcb.gov.in

Consent to Establish After Environment Clearance

File No : GPCR/ (PCB ID. - 41279)

To,

Mis. Grasim industries Limited Chemical Division.

Pfol No.1, G.I.D.C., Vilayat Estate,

City VII AYAT , Dist : Bharuch , Taluka : Vagra

Sub: 'Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981

Ref. - (ii) Your online application No. 154194, dated 29/03/2019

(1) Environment Clearance issued by State Authority vide their letter no. SE(AA/G/JJ/EC/1(d)/287/2019 Dated 04/02/2019

Sár,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Art Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is in inform your that this Board gronts Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981 for manufacturing of products as mentioned into the Environment Clearance (EC) granted vide letter under reference no (2) above

Consent To Establish is Granted Subject To The Following Conditions: -

- (i) The validity period of this CTE shall be Seven Years from the issue of this order
- Applicant shall strictly comply with all conditions stipulated by competent authority in the order of Environment Georgical sesued wide letter under reference No. 2, above
- 3) The applicant shall however and without the prior concern of the Board. Bring into use any new or altered duglet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms water the provisions of the water Act 1974, the IAIr 1981 and the Environment (Protection) Act 1985.

For and an tichalf of Gujarat Pollulion Control Board

A.V.Sheh Unit Head - Bharuch

This order is issped in <u>Plot No.1, G.I.D.C., Villayat Estate, City ; VIII.AYA</u>T, Dist : Bh<u>a</u>ruch, <u>Taluka : Vagra</u> (<u>41279)</u> for CTE antendiment after obtaining EC.

Printed On @ 05/04/2019

Page foft

GPC8 ID: 41279



CERTIFICATE

Management System as per

ISO 50001: 2018

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

GRASIM INDUSTRIES LIMITED

CHEMICAL DIVISION
Plot No. 1, GIDC Vilayat Industries Estate,
PO-Vilayat, Taluka-Vagra, Dist. Bharuch,
Gujarat - 392 012,
India

operates a management system in accordance with the requirements of ISO 50001 : 2018 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

Manufacture of Caustic Soda Lye & Flakes, Liquid Chlorine, Hydrochloric Acid, Sodium Hypochlorite, Compressed Hydrogen Gas, Aluminium Chloride, Poly Aluminium Chloride (Liquid & Powder), Chlorinated Paraffins, Stable Bleaching Powder, Phosphoric Acid, High Strength Bleaching Powder, Aluminium Chloro Hydrate & Calcium Chloride (Liquid & Granules) and Associated Utilities.

Certificate Registration No. **44 764 22393460** Audit Report No. **2.5-10656/2021** Valid from 11.03.2021
Valid until 10.03.2024
Initial certification 11.03.2018

Certification Body

at TÜV NORD CERT GmbH

Mumbai, **08.01.2022**

TÜV NORD CERT GmbH

Langemarckstrasse 20

45141 Essen

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Photograph of Captive Power Plant Project Construction Work



