



GIL/ENV/POLLUTION/2020-21/512

30th November, 2020

To,
Regional Director,
Ministry of Environment, Forest and Climate Change,
Regional Office (ECZ),
Bungalow No. A-2, Shyamali Colony,
Ranchi - 834002
Tel. No. 0651-2410007, 2410002

Sub: Six monthly compliance status of Environmental Clearance accorded by Ministry of Environment, Forests & Climate Change, Government of India, New Delhi.

Ref: MoEF Letter No. J-11011/1213/2007-IA-II(I) dated 11.02.2009.

Dear Sir,

This is in reference to above mentioned letter issued by MOEF&CC. We are attaching herewith the status of compliance conditions of Environmental Clearance.

Thanking you,

Yours faithfully,
For Grasim Industries Ltd.

(Ashok Kumar Gupta)
Unit Head



Cc : Regional Officer ,
Central Pollution Control Board
Southernd Conclave, Block 502, 5th & 6th Floors
1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.)
Mobile No. 7044098469

Cc : The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Division Building (Ground Floor),
HEC Campus, Dhurwa,

**HALF YEARLY COMPLIANCE REPORT GIL REHLA FOR THE PERIODS ENDING
APRIL 2020 TO SEPTEMBER 2020**

SL. No.	CONDITIONS:	STATUS/COMPLIANCE
2.0	The Ministry of Environment and forests has examined your application and noted that proposal for expansion of Caustic Soda Lye Plant from 225 TPD to 550 TPD and CPP from 30 MW to 60 MW at Rehla, Garhwa Road, District Palamau, Jharkhand by M/s Bihar Caustic & Chemicals Ltd. Expansion will be in two phases for caustic soda plant. Existing land of 81.94 acres will be used for the project. 24.62 acres and open lawn will be covered by green belt. Cost of the project will be Rs. 320 Crores.	Complied
3.0	Total water requirement will be 455 m ³ /hr and sourced from Koel River. The permission for drawl of water from the river will be obtained from the Water Resources Department. Effluent discharge will be reduced as hypo sludge will be reduced due to use of Chlorine in place of Sodium hypochlorite and RO unit for treatment & recycling of waste water. Waste Air De-chlorination (WAD) system will be used for neutralizing minor quality of waste gases generated from cell house and brine recycle and saturation. Demister will be provided in Hydrochloric Acid Plant. ESP will be provided for control of emissions from CFBC boilers of power plant. Coal mill will be provided with bag filters.	Complied
4.0	All the Chlor-Alkali plants with ≥300 TPD are listed at S.N. 4(d) under Category 'A' of EIA Notification 2006 located outside industrial area. The proposal was considered and appraised at central level by the Expert Appraisal Committee (Industry) in its 90 th Meeting held during 6 th – 8 th January 2009. Public hearing meeting was held on 28 th August 2008.	Complied

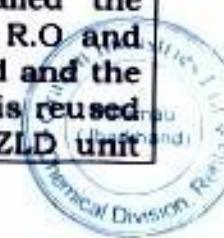


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5.0 A.	SPECIFIC CONDITIONS	STATUS/COMPLIANCE
(i)	All the mercury cell operation shall be based on membrane cell and mercury cell based operation shall be carried.	Complied , GIL has Membrane Cell operation for Caustic Soda production. Mercury Plant operation was stopped in 2006.
(ii)	The company shall install Waste Air De-chlorination (WAD) system with Sodium bi-sulphite for neutralizing chlorine emissions as waste gases from cell house and brine recycle and saturation. Demister shall be provided in Hydrochloric Acid Plant vents. The vent gases from Sodium hydrochloride plant and HCl acid plant shall be controlled at source by effective absorption system so that Chlorine concentration in the vent gases shall not exceed 5 ppm.	Complied , GIL has Waste Air De-chlorination system to control the chlorine emission at source by effective absorption system. The chlorine concentration in Sodium Hypo plant vent is 0.62 mg/Nm ³ . HCl Mist concentration in HCl plant vent is 4.4 mg/Nm ³ . Analysis done by NABL Accredited and MOEF recognized Laboratory report Attached as Annexure I .
(iii)	The Company shall install Chlorine gas detectors to detect leakage of Chlorine at liquid Chlorine storage tanks, Sodium hypo plant, HCl synthesis unit and Electrolysis area. The Company shall install on-line analyzer in HCl plant and hypo stack with recording facility.	Complied , GIL has chlorine detection at liquid chloride storage, Sodium hypo plant, HCl synthesis and electrolyser. Apart from above, company has installed chlorine detectors system at 34 different locations. GIL has already installed online analyzer in HCl and Sodium Hypo stack with connectivity to JSPCB and CPCB server.
(iv)	Cyclone & ESP to the CFBC boiler of power plant with inter locking facility, Dust extractor & bag filter to coal handling plant and pneumatic & closed ash collection & conveying system shall be provided in power plant for control of particulate emission below 100 mg/Nm ³ .	Complied , GIL has Cyclone Separator, ESP, dust extraction and bag filter for coal handling. The particulate emission is below 100 mg/Nm ³ . Stack analysis Report of Captive Power Plant Stack (CPP Stack - 1) is 32.7 mg/Nm ³ against 100 mg/Nm ³ Stack analysis Report of Captive Power Plant Stack (CPP Stack - 2) is 25.0 mg/Nm ³ against 100 mg/Nm ³ done by NABL Accredited and MOEF recognized Laboratory report Attached as Annexure .

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		I. Complied , GIL has provided the monitoring arrangement with All stacks and vents and regular monitoring is being carried out. Apart from that GIL has also installed Online Monitoring system with connectivity to JSPCB and CPCB. Monitoring done by NABL Accredited and MOEF recognized Laboratory report is attached as Annexure I .
(v)	The company shall provide the monitoring arrangement with vents and regular monitoring shall be carried out and reports submitted to Jharkhand SPCB, CPCB and Ministry's Regional Office at Ranchi.	Complied , Fugitive emission monitoring is being done which is within specified limit as prescribed by SPCB. Fugitive Emission Report done by NABL Accredited and MOEF recognized Laboratory report Attached as Annexure I .
(vi)	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by Jharkhand SPCB.	Complied , The average water requirement between April 2020 to September 2020 was 5904.0 KLD against 9888 KLD and average waste water generation between April 2020 to October 2020 was 268.90 KLD against 840 KLD. All waste water generated from plant is being treated through ETP & RO plant and RO Reject is being treated through MEE+ATFD plant, no waste water is being discharged through plant as the plant is ZLD plant attached as Annexure II A - Average Water Drawl. Annexure II B - Average Waste Water Generation.
(vii)	The water requirement and waste water generation shall not exceed 9888 KLD and 840 KLD respectively.	Complied , Company has installed the centralized ETP plant including R.O and MEE+ATFD plant is also operated and the water obtained from the system is reused in the plant. Plant is declared ZLD unit
(viii)	The company shall install full-fledged effluent treatment plant to treat the waste water generated from the plant including RO system to recycle or reuse all the treated wastewater.	

		and informed to JSPCB vide letter no. GIL-CDR/UH/ENV/2019-20/4019 dated 29 th September 2019 attached as Annexure III
(ix)	Green belt shall be developed in 24.62 ha out of total 81.94 ha to mitigate the effects of fugitive emissions all around the plant. The development of green belt shall be as per the Central Pollution Control Board guidelines.	Complied , Company already has green belt area more than 24.62 ha. All non-plant area covered under green belt. Green Belt Plan Drawing submitted to MOEF Ranchi vide our letter no. GIL-CDR/ENV/MOEF/18-19/3233 dated 10 th July 2018.
(x)	The fly ash generated from the power plant shall be handled pneumatically and disposed of it accordance with the provisions of Fly Ash Notification, 2003.	Complied , Fly Ash Annual return as per Fly Ash Notification Rules 2016 amended time to time for FY 2019-20 has been submitted to JSPCB vide our letter no. GIL/ENV/JSPCB/2020-21/67 Dated 13.04.2020. Letter is attached as Annexure IV .
(xi)	The hazardous wastes generated from the plant shall be disposed of in accordance with the Hazardous Waste (Management and Handling) Rules 1989 and as amended.	Complied , Hazardous Waste generated from plant is being disposed to authorized CTSDF in Jharkhand as per Hazardous Waste (Management and Handling) Rules 2016 amended time to time. Details of Hazardous Waste disposed to TSDF is attached as Annexure V .
(xii)	During transfer of materials, spillages shall be avoided and garend drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.	Complied
(xiii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied , Occupational health surveillance record Attached as Annexure VI .
(xiv)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. As informed to the Ministry, OHSAS 18001 shall be continued. Pre- employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all	Complied , Training Record Attached as Annexure VII .



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	employees on handling of chemicals shall be imparted.	
(xv)	Usage of PPEs by all employees/ workers shall be ensured.	Complied, Usage of PPE is ensured and strictly followed. PPE issued attached as Annexure VIII.
(xvi)	The company shall strictly follow all the recommendations mentioned in the charter on Corporate Responsibility for Environmental Protection (CREP) for Caustic Soda plant.	Complied
(xvii)	The company shall comply with all the commitments made during public hearing held on 28 th August, 2008.	Complied , the commitments made during public hearing
(xviii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Yes, Complied and Maintained.
B. GENERAL CONDITIONS :		
(i)	The project authorities shall strictly adhere to the stipulations of the SPCB/State government or any statutory body.	Complied
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Yes, Plant will comply the regulations
(iii)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Agreed , site has already installed the Air pollution control systems. All processes and flue gas stacks are monitored through online monitoring system which is connected to JSPCB and CPCB.
(iv)	The gaseous emissions (SO ₂ , NO _x , HCl, CO) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned	Complied , Cl - 0.62 mg/Nm ³ HCl mist - 4.4 mg/Nm ³



	authorities from time to. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Particulate Matter in: CPP Stack 1 - 32.7 mg /Nm ³ CPP Stack 2 - 25.0 mg /Nm ³ CPP Stack 1 SO ₂ - 93.8 mg/Nm ³ CPP Stack 2 SO ₂ - 304.2 mg/Nm ³ CPP Stack 1 NOx - 81.7 mg/Nm ³ CPP Stack 2 NOx - 240.7 mg/Nm ³ Monitoring done by NABL Accredited and MOEF recognized Laboratory report Attached as Annexure I .
(v)	The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Complied AS per CTO No. - PC/RNC/C-1/11/G- 199 Dated 01.02.2012 condition No. 17- We have installed CAAQMS monitoring station and online connected to JSPCB server.
(vi)	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.	Complied, Dedicated Scrubbers are installed in HCL & Sodium Hypo to Control HCL Mist & Chlorine.
(vii)	All the storage tanks will be under negative pressure to avoid any leakages. Breather valves, N ₂ blanketing and secondary condensers with brine chilling system shall be provided for all the storage tanks to minimize vapour losses. All liquid raw materials shall be stored in storage Tanks and Drums	Complied
(viii)	The company shall undertake following Waste Minimization measures. ➤ Metering and control of quantities of active ingredients to minimize waste. ➤ Reuse of by-products from the process as raw material substitutes in other processes. ➤ Use of automated filling to minimize spillage. ➤ Use of "Closed Feed" system into batch reactors. ➤ Venting equipment through vapour recovery system. ➤ Use of high pressure hoses for equipment cleaning to reduce waste water generation.	Complied, GIL has taken following measures to reduce waste: i. Use of best quality salt to reduce waste generation. ii. Site is exploring for waste recovery system through Nano filtration.
(ix)	The project authorities shall strictly comply with the rules	Complied

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	and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules- 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous waste.	
(x)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied, Noise level- 62.5 dB(A) day time 54.7 dB(A) at night. Monitoring done by NABL Accredited and recognized Laboratory report Attached as Annexure I.
(xi)	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water and to reduce requirement of the fresh water.	Complied , Company has followed the rain water harvesting methodology for water conservation as per approved plan by Central Ground Water Department, Ranchi vide Letter No. G.W.D-252/Ranchi Dated 28.05.2012.
(xii)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Complied - Vide our letter no.- ABCIL/GM(O)/JSPCB/2009-10/2104A Dated - 02.05.2009.
(xiii)	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.	We have already complied with the EMP as per EIA.
(xiv)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied , Company have separate environmental cell equipped with full-fledged laboratory facility. Environmental Management Cell attached as Annexure IX.
(xv)	The project authorities shall earmark separate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions	Complied.



	stipulated herein. The funds so provided shall not be diverted for any other purpose.	
(xvi)	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Complied.
(xvii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied.
(xviii)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project	Complied.
6.0	The Ministry or any other competent authority may stipulate any further condition (s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry.	Agreed
7.0	The Ministry may revoke or suspend the clearance if any of the above conditions is not satisfactory.	Agreed
8.0	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Agreed
9.0	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act; 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public	Agreed

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Liability Insurance Act 1991 along with their amendments
and rules.

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*Annexure - I*

Prakriti Consultants Services

An Approved Laboratory From MoEF & Uttar Pradesh Pollution Control Board, Accredited by NABL.
(An ISO 14001:2015, ISO 9001:2015 and OHSAS-18001-2007 Certified Organization)

Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024

E-mail: prakriti_msl@rediffmail.com

Tel: 0522-4002545, Mobile: 09415518818,

GSTIN :- 09AAJFP5925G1ZV

An Approved Laboratory from MoEF vide - F.No. Q-15018/12/2019-CPW dated-24 Oct. 2019

'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002119P

Test Report for Ambient Air Quality

Report No.	Reference No.	Issue Date			
PCS/AAQ/01/2020	PCS/GIL/02/2020	09/11/2020			
1. Proponent Name & Address:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand				
2. Type of Industry:	Chemical Industry				
3. Sampling Location:	Near Main Gate				
4. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu				
5. Date of Sample Collection:	30/10/2020-31/10/2020				
6. Sample Receipt in Lab	01/11/2020				
S. No.	Parameters	Unit	Result	Standards*	Method of Measurement
1.	Particulate Matter (PM ₁₀)	($\mu\text{g}/\text{m}^3$)	64.8	100	IS: 5182 Part (23) 2006
2.	#Particulate Matter (PM _{2.5})	($\mu\text{g}/\text{m}^3$)	43.9	60	APHA Air(Gravimetric)
3.	Sulphur Dioxide (SO ₂)	($\mu\text{g}/\text{m}^3$)	10.4	80	IS : 5182 (Part-2) 2001
4.	Nitrogen Dioxide (NO ₂)	($\mu\text{g}/\text{m}^3$)	13.2	80	IS: 5182 (Part 6) 2006
5.	#Carbon Monoxide (CO)	(mg/m ³)	0.58	4.0**	IS:5182 (Part 10)
6.	#Ammonia (NH ₃)	($\mu\text{g}/\text{m}^3$)	9.4	400	Indo Phenol blue
7.	#Benzene (C ₆ H ₆)	($\mu\text{g}/\text{m}^3$)	<0.004	5.0	Adsorption & Desorption followed by G.C Analysis
8.	#Benzo(a) Pyrene (BaP)	(ng/m ³)	<0.005	1.0	
9.	#Arsenic (As)	(ng/m ³)	<0.03	6.0	EPM 2000 by AAS Method
10.	#Nickel (Ni)	(ng/m ³)	<0.02	20	EPM 2000 by AAS Method
11.	#Lead (Pb)	($\mu\text{g}/\text{m}^3$)	0.056	1.0	EPM 2000 by AAS Method
12.	#Ozone(O ₃)	($\mu\text{g}/\text{m}^3$)	20.4	100**	Chemical Method APHA

*NAAQS CPCB Notification, dated 18/11/2009

**1 Hour Standard

Note: 1. The results in the Test Report related only to the items tested.

2. The report shall not be reproduced-except in full without the written permission of laboratory.

3. The report shall not be used for any other purpose than declared by the sponsor.

4. Prakriti Consultants Services are not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

F- is to be used when all the tests/calibration reported are covered under the scope.

AP- is to be used when report contains a mix of accredited & non-accredited tests/calibration with identification as per NABL norms

Authorized Signatory

(Dr Divya Misra)
Managing Director

"End of Report."



Services Available

Environmental Monitoring, Preparation of EIA/SIMP, Baseline data generation for Air, Water, Soil, Noise & Meteorology
Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STNETP, Clearance from
Ground Water Board, Compliance of E.C., NBC from UPPCB, MoEF



Prakriti Consultants Services

An Approved Laboratory From MoEF & Uttar Pradesh Pollution Control Board, Accredited by NABL
 (An ISO 14001:2015, ISO 9001-2015 and OHSAS-18001-2007 Certified Organization)
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 E-mail: prakriti.india@rediffmail.com
 Tel: 0522- 4002545, Mobile: 09415518818,
 GSTIN : 09AAJFP5925G1ZV

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 'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002120P

Test Report for Ambient Air Quality

Report No.	Reference No.	Issue Date			
PCS/AAQ/02/2020	PCS/GIL/02/2020	09/11/2020			
1. Proponent Name & Address:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand				
2. Type of Industry:	Chemical Industry				
3. Sampling Location:	Near Contractor Yard				
4. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu				
5. Date of Sample Collection:	30/10/2020-31/10/2020				
6. Sample Receipt in Lab	01/11/2020				
S. No.	Parameters	Unit	Result	Standards*	Method of Measurement
1.	Particulate Matter (PM ₁₀)	($\mu\text{g}/\text{m}^3$)	59.8	100	IS: 5182 Part (23) 2006
2.	#Particulate Matter (PM _{2.5})	($\mu\text{g}/\text{m}^3$)	37.2	60	APHA Air(Gravimetric)
3.	Sulphur Dioxide (SO ₂)	($\mu\text{g}/\text{m}^3$)	8.1	80	IS : 5182 (Part-2) 2001
4.	Nitrogen Dioxide (NO ₂)	($\mu\text{g}/\text{m}^3$)	11.2	80	IS: 5182 (Part 6) 2006
5.	#Carbon Monoxide (CO)	(mg/m ³)	0.45	4.0**	IS:5182 (Part 10)
6.	#Ammonia (NH ₃)	($\mu\text{g}/\text{m}^3$)	7.5	400	Indo Phenol blue
7.	#Benzene (C ₆ H ₆)	($\mu\text{g}/\text{m}^3$)	<0.004	5.0	Adsorption & Desorption
8.	#Benz(a) Pyrene (BaP)	(ng/m ³)	<0.005	1.0	followed by G.C Analysis
9.	#Arsenic (As)	(ng/m ³)	<0.02	6.0	EPM 2000 by AAS Method
10.	#Nickel (Ni)	(ng/m ³)	<0.03	20	EPM 2000 by AAS Method
11.	#Lead (Pb)	($\mu\text{g}/\text{m}^3$)	0.048	1.0	EPM 2000 by AAS Method
12.	#Ozone(O ₃)	($\mu\text{g}/\text{m}^3$)	16.1	100**	Chemical Method APHA

*NABL/CPCB Notification dated 18.11.2009

**1 Hour Standard

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Authorized Signatory

(Dr Divya Misra)
Managing Director

"End of Report"



Services Available

Environmental Monitoring, Preparation of EIA/EMI, Baseline data generation for Air, Water, Soil, Noise & Meteorology
 Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STP/ETP, Clearance from
 Ground Water Board, Compliance of E.C., NOC from ITPCB, MoEF



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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002121P

Test Report for Ambient Air Quality

Report No.	Reference No.	Issue Date			
PCS/AAQ/03/2020	PCS/GIL/01/2020	09/11/2020			
1. Proponent Name & Address:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand				
2. Type of Industry:	Chemical Industry				
3. Sampling Location:	Near Temple				
4. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu				
5. Date of Sample Collection:	30/10/2020-31/10/2020				
6. Sample Receipt in Lab	01/11/2020				
S. No.	Parameters	Unit	Result	Standards*	Method of Measurement
1.	Particulate Matter (PM ₁₀)	($\mu\text{g}/\text{m}^3$)	48.3	100	IS: 5182 Part (23) 2006
2.	#Particulate Matter (PM _{2.5})	($\mu\text{g}/\text{m}^3$)	33.1	60	APHA Air(Gravimetric)
3.	Sulphur Dioxide (SO ₂)	($\mu\text{g}/\text{m}^3$)	6.8	80	IS : 5182 (Part-2) 2001
4.	Nitrogen Dioxide (NO ₂)	($\mu\text{g}/\text{m}^3$)	9.7	80	IS: 5182 (Part 6) 2006
5.	#Carbon Monoxide (CO)	(mg/ m ³)	0.42	4.0**	IS:5182 (Part 10)
6.	#Ammonia (NH ₃)	($\mu\text{g}/\text{m}^3$)	4.5	400	Indo Phenol blue
7.	#Benzene (C ₆ H ₆)	($\mu\text{g}/\text{m}^3$)	<0.004	5.0	Adsorption & Desorption
8.	#Benzo(a) Pyrene (BaP)	(ng/ m ³)	<0.003	1.0	followed by G.C Analysis
9.	#Arsenic (As)	(ng/ m ³)	<0.01	6.0	EPM 2000 by AAS Method
10.	#Nickel (Ni)	(ng/ m ³)	<0.03	20	EPM 2000 by AAS Method
11.	#Lead (Pb)	($\mu\text{g}/\text{m}^3$)	0.02	1.0	EPM 2000 by AAS Method
12.	#Ozone(O ₃)	($\mu\text{g}/\text{m}^3$)	14.2	100**	Chemical Method APHA

*NABL CPCB Notification, dated 18.11.2009

**1 Hour Standard

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Authorized Signatory

(Dr Divya Misra)
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"End of Report"



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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

Test Report for Work Zone Air Quality

Report No.	Reference No.	Issue Date
PCS/WZ/01/20	PCS/GIL/01/2020	09/11/2020
1. Name of Proponent	: M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry	: Chemical Industry	
3. Monitoring done by	: Mr. Rohit Yadav & Mr. Ghanshyam Babu	
4 Weather Condition :	: Clear Sky	
5 Method of sampling:	: As per standard Method	
6. Date of Monitoring	: 30/10/2020 - 31/10/2020	
7. Sample Receipt in Lab	: 01/11/2020	
S. No	Location	Pollutants Concentration
	(SPM) mg/m ³	SO ₂ mg/m ³
		NO ₂ mg/m ³
1. Crusher House Area	0.584	0.016
2. Loading/Unloading Area(Coal Yard)	0.504	0.013
3. Ash Handling Near Silo	0.448	0.011
4. Boiler Area Near ESP	0.365	0.016
Standards*	-	5
Method	IS:5182 Part (23) 2006	IS:5182 (Part-2) 2001
		IS:5182 (Part-6) 2006

* Standard as per Factories Act 1948.

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Authorized Signatory

Dr Divya Misra
(Managing Director)

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Test Report for Ambient Air Quality

Report No.	Reference No.	Issue Date		
PCS/FE/01/2020	PCS/GIL/01/2020	09/11/2020		
1. Proponent Name & Address :	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand			
2. Type Of Industry:	Chemical Industry			
3. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu			
4. Date Of Sampling:	30/10/2020-31/10/2020			
5. Sample Receipt In Lab:	01/11/2020			
S. No.	Monitoring Location	Chlorine	HCL Mist	Standard*
1.	HCL Plant	BDL	0.32	7.0 (Max)
2.	Chlorine Plant Area	0.27	BDL	3.0 (Max)

* CPCB Notification, dated 18.11.2009

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Managing Director

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002123F

Test Report for Ambient Noise Monitoring

Report No.	Reference No.	Issue Date
PCS/NQ/01/2020	PCS/GIL/01/2020	09/11/2020
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Monitoring done by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
4. Date of Monitoring:	30/10/2020-31/10/2020	
S. No.	Monitoring Location	Noise Level leq dB(A)
		Day Time*
1.	Plant Main Gate	62.5
2.	Contractor Yard (Near Adm. Building)	56.8
3.	New Colony (near Temple)	43.4
		Night Time**
1.	Plant Main Gate	54.7
2.	Contractor Yard (Near Adm. Building)	46.2
3.	New Colony (near Temple)	35.6
Standard (Ambient Noise)		
Industrial area	75	70
Commercial area	65	55
Residential area	55	45
Silence Zone	50	40

* The Noise Pollution (Regulation and Control) Rules, 2000

Note:- 1 Day time shall mean from 6:00 a.m. to 10:00 p.m.

2. Night time shall mean from 10:00 p.m. to 6:00 a.m.

3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is suitable to human hearing. A "decibel" is a unit in which noise is measured. "A", in dB (A) Leq, denotes

the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear. Leq is energy mean of the noise level over a specified period.

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Managing Director

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002124P

Stack Emission Data and Analytical Results

Report No.	Reference No.	Issue Date
PCS/SE/01/2020	PCS/GIL/02/2020	09/11/2020
1. Proponent Name & Address:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry	Chemical Industry	
3. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
4. Type of Stack:	Captive Power Plant Stack (CPP Stack -1)	
5. Weather Condition:	Clear Sky	
6. Method of Sampling:	As per standard method	
7. Date of Sample Collection:	30/10/2020-31/10/2020	
8. Sample Receipt in lab :	01/11/2020	
S. No.	Particulars	Value
1.	Duct Attached to	CPP Stack-1
2.	Type of Stack	Circular
3.	Stack height from Ground (m)	80.0
4.	Type of Duct	NA*
5.	Pollution Control Device	ESP
6.	Port hole Height	35.07
7.	Material of Construction of duct	RCC
8.	Inner Diameter of Stack (m)	4.66
9.	Type of fuel used	Coal
10.	Atmospheric temperature (⁰ K)	299
11.	Atmospheric Pressure (mmHg)	738
12.	Flue Gas temperature (⁰ K)	399
13.	Flue Gas Exist Velocity (m/s)	18.2
14.	Flow Rate (LPM)	26.0
15.	Concentration of Pollutant in Flue Gas	SO ₂ in mg/Nm ³ 93.8 NOx in mg/Nm ³ 81.7
16.	Dust Concentration (mg/Nm ³)	32.7

*NA= Not Available

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002125P

Stack Emission Data and Analytical Results

Report No.	Reference No.	Issue Date
PCS/SE/01/2020	PCS/GIL/01/2020	09/11/2020
1. Proponent Name & Address:	M/s Grasim Industries Limited At P.O.: Rehla Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type of Stack:	Captive Power Plant Stack (CPP Stack -2)	
4. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
5. Date of Monitoring :	30/10/2020-31/10/2020	
6. Sample Receipt in lab. :	01/11/2020	
S. No.	Particulars	Value
1.	Duct Attached to	CPP Stack-2
2.	Type of Stack	Circular
3.	Stack height from Ground (m)	110.0
4.	Type of Duct	NA*
5.	Pollution Control Device	ESP
6.	Port hole Height	47.80
7.	Material of Construction of duct	RCC
8.	Inner Diameter of Stack (m)	3.33
9.	Type of fuel used	Coal
10.	Atmospheric temperature (°K)	298.0
11.	Fuel Gas temperature (°K)	388.0
12.	Flue Gas Exist Velocity (m/s)	15.6
13.	Flue Gas Discharge(Nm ³ /hr)	269838.5
14.	Air Volume in Liter	690.0
15.	Concentration of Pollutant in fuel Gas	SO ₂ in mg/Nm ³ 304.2 #NOx in mg/Nm ³ 240.7 Particulate Matter (mg/Nm ³) 25.0

*NA - Not Available

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Managing Director

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Services Provided
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Stack Emission Data and Analytical Results

Report No.	Reference No.	Issue Date
PCS/SE/02/2020	PCS/GIL/02/2020	09/11/2020
1. Proponent Name & Address:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry	Chemical Industry	
3. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
4. Type of Stack:	HCL Furnace A & B	
5. Weather Condition:	Clear Sky	
6. Method of Sampling:	As per standard method	
7. Date of Sample Collection:	30/10/2020-31/10/2020	
8. Sample Receipt in lab. :	01/11/2020	
S. No.	Particulars	Value
1.	Duct Attached to	HCL Furnace A&B
2.	Type of Stack	Circular
3.	Stack height from Ground (m)	18.5
4.	Type of Duct	NA*
5.	Pollution Control Device	Wet Scrubber
6.	Port hole Height(m)	1.20
7.	Material of Construction of duct	PVC/FRP
8.	Inner Diameter of Stack (m)	0.15
9.	Type of fuel used	Process Stack
10.	Atmospheric Pressure (mmHg)	-
11.	Atmospheric temperature (°K)	297.0
12.	Fuel Gas temperature (°K)	-
13.	Flue Gas Exist Velocity (m/s)	-
14.	Flow Rate (LPM)	-
15.	Concentration of Pollutant in fuel Gas	HCL Mist (in mg/Nm ³) Shut Down

*NA= Not Available

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Stack Emission Data and Analytical Results

Report No.	Reference No.	Issue Date
PCS/SE/01/2020	PCS/GIL/02/2020	09/11/2020
1. Name of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type of Stack:	HCL Furnace No. C	
4. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
5. Date of Monitoring :	30/10/2020-31/10/2020	
6. Sample Receipt in lab:	01/11/2020	
S. No.	Particulars	Value
1.	Duct Attached to	HCL Furnace No. C
2.	Type of Stack	NA*
3.	Stack height from Ground (m)	18.5
4.	Type of Duct	NA*
5.	Pollution Control Device	Wet Scrubber
6.	Port hole Height	1.20
7.	Material of Construction of duct	NA*
8.	Inner Diameter of Stack (m)	0.15
9.	Type of fuel used	Process Stack
10.	Atmospheric temperature (°K)	298.0
11.	Fuel Gas temperature (°K)	309.0
12.	Flue Gas Exist Velocity (m/s)	5.8
13.	Flue Gas Discharge(Nm ³ /hr)	125467.2
14.	Air Volume in Liter	750.0
15.	Concentration of Pollutant in fuel Gas	HCL Mist (in mg/Nm ³) 4.4

*NA= Not Available

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Stack Emission Data and Analytical Results

Report No.	Reference No.	Issue Date
PCS/SE/02/2020	PCS/GIL/01/2020	09/11/2020
1. Name of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type of Stack:	Sodium-Hypo Stack	
4. Sample Collected by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
5. Date of Monitoring :	30/10/2020-31/10/2020	
6. Sample Receipt in lab:	01/11/2020	
S. No.	Particulars	Value
1.	Duct Attached to	Sodium-Hypo Stack
2.	Type of Stack	NA*
3.	Stack height from Ground (m)	19.0
4.	Type of Duct	NA*
5.	Pollution Control Device	Wet Scrubber
6.	Port hole Height	2.0
7.	Material of Construction of duct	NA*
8.	Inner Diameter of Stack (m)	0.25
9.	Type of fuel used	Process Stack
10.	Atmospheric temperature (°K)	298.0
11.	Fuel Gas temperature (°K)	308.0
12.	Flue Gas Exist Velocity (m/s)	6.2
13.	Flue Gas Discharge(Nm ³ /hr)	134738.3
14.	Air Volume in Liter	780
15.	Concentration of Chlorine (in mg/Nm ³) Pollutant in fuel Gas	0.62

*NA= Not Available

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(Dr Divya Misra)
Managing Director

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URL- TC824119000002126P

Test Report of Sewage Water (STP Outlet-1)

Report No.	Reference No.	Issue Date
PCS/STP/01/2020	PCS/GIL/02/2020	9/11/2020

1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand
2. Type of Industry:	Chemical Industry
3. Type Of Sample :	Sewage Water (STP)
4. Sample Collected By:	Mr. Rohit Yadav & Mr. Ghanshyam Babu
5. Sample Location	STP Outlet- 1 (Behind Guest House)
6. Date of Sampling :	31/10/2020
7. Sample Receipt in Lab:	01/11/2020
8. Date of Testing:	02/11/2020-07/11/2020

S. N	Parameters	Unit	Reference Method*	STP Outlet-1 Results	Standard**
1.	Temperature	°C	2550 A	23.4	-
2.	pH	-	4500 H	7.45	5.5-9.0
3.	TSS	mg/L	2540 D	22.4	30
4.	BOD (3 Days at 27°C)	mg/L	5210-A	15.2	20
5.	COD	mg/L	5220-B	52.4	100
6.	Ammonical Nitrogen	mg/L	4500-NH ₃ D	2.2	-
7.	Total Nitrogen	mg/l	4500-NH ₃	6.0	15.0
8.	#Faecal coliform	MPN/100	9221	240	<1000
9.	#SAR	-	***	14.8	-
10.	Oil & Grease	mg/L	5520-B	0.4	-

As per APHA/AWWA, 22nd Ed. (2012), BDL= Below Detection Limit

** Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993

*** Source U.S. Department of Agriculture, Natural Resources Conservation Service, National soil survey handbook title 430-VI. Available online Accessed 09/13/2012

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Authorized Signatory



Dr Divya Misra
(Managing Director)

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002127P

Test Report of Effluent Water (STP Outlet-2)

Report No.	Reference No.	Issue Date
PCS/STP/02/2020	PCS/GIL/02/2020	09/11/2020
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type Of Sample :	Effluent Water (STP)	
4. Sample Collected By:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
5. Sample Location	STP Outlet-2 (Basant Nagar)	
6. Date of Sampling :	31/10/2020	
7. Sample Receipt in Lab:	01/11/2020	
8. Date of Testing:	02/11/2020-07/11/2020	

S. N	Parameters	Unit	Reference Method*	STP Outlet-2 Results	Standard**
1.	Temperature	°C	2550 A	24.2	-
2.	pH	-	4500 H	7.54	5.5-9.0
3.	TSS	mg/L	2540 D	21.2	30
4.	BOD (3 Days at 27°C)	mg/L	5210-A	14.2	20
5.	COD	mg/L	5220-B	66.0	100
6.	Ammonical Nitrogen	mg/L	4500-NH ₃ D	3.2	-
7.	Total Nitrogen	mg/l	4500-NH ₃	6.8	15.0
8.	#Faecal coliform	MPN/100	9221	300	<1000
9.	#SAR	-	***	16.8	-
10.	Oil & Grease	mg/L	5520-B	0.7	-

As per APHA/AWWA; 22nd Ed. (2012). BDL= Below Detection Limit

** Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 423(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

*** Source U.S. Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook title 430-V1. Available online Accessed 09/13/2012.

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Authorized Signatory

Dr Divya Misra
(Managing Director)



-----End of this Report-----



Prakriti Consultants Services

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 GSTIN :- 09AAJFP592SG1ZV

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002128P

Test Report of Effluent Water (STP Outlet-3)

Report No.	Reference No.	Issue Date
PCS/STP/03/2020	PCS/GIL/02/2020	09/11/2020
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type Of Sample :	Effluent Water (STP)	
4. Sample Collected By:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
5. Sample Location:	STP Outlet-3 (G4 Complex)	
6. Weather Condition:	Clear sky	
7. Date of Sampling :	31/10/2020	
8. Sample Receipt in Lab:	01/11/2020	
9. Date of Testing:	02/11/2020-07/11/2020	

S. N	Parameters	Unit	Reference Method*	STP Outlet-3 Results	Standard**
1.	Temperature	°C	2550 A	23.2	-
2.	pH	-	4500 H	7.62	5.5-9.0
3.	TSS	mg/L	2540 D	20.8	30
4.	BOD (3 Days at 27°C)	mg/L	5210-A	14.8	20
5.	COD	mg/L	5220-B	64.0	100
6.	Ammonical Nitrogen	mg/L	4500-NH ₃ D	3.0	-
7.	Total Nitrogen	mg/l	4500-NH ₃	6.8	15.0
8.	#Faecal coliform	MPN/100	9221	500	<1000
9.	#SAR	-	***	16.4	-
10.	Oil & Grease	mg/L	5520-B	0.8	-

As per APHA/AWWA, 22nd Ed. (2012), BDL= Below Detection Limit

** Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

*** Source U.S. Department of Agriculture, Natural Resources Conservation Service, National soil survey handbook title 430-VI. Available online Accessed 09/13/2012

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Authorized Signatory


Dr Divya Misra
(Managing Director)



-----End of this Report-----



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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002129P

Test Report of Surface Water

Report No.	Reference No.	Issue Date
PCS/SW/01/2020	PCS/GIL/02/2020	09/11/2020
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand Chemical Industry	
2. Type of Industry:	Chemical Industry	
3. Type of Sample :	Surface Water	
4. Sample Received by:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
5. Sample Location	Bhelwah Nala	
6. Date of Sampling :	31/10/2020	
7. Sample Receipt in Lab:	01/11/2020	
8. Date of Testing:	02/11/2020-07/11/2020	

S. N	Parameters	Unit	Reference Method*	Results	*Standard
1.	Temperature	°C	2550A	24.8	-
2.	pH	-	4500 H	8.20	5.5-9.0
3.	Chloride as Cl	mg/L	4500-Cl-B	208.4	1000
4.	TSS	mg/L	2540 D	63.0	100
5.	TDS	mg/L	2540-C	618.0	-
6.	COD	mg/L	5220-B	123.0	250
7.	#Oil & Grease	mg/L	5520-B	<1	10

*As per APHA/AWWA, 22nd Ed. (2012).

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Authorized Signatory

(Dr Divya Misra)
Managing Director

"End of Report"



Services Provided

Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soil, Noise & Meteorology,
 Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STPIETP, Clearances from
 Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF



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 GSTIN :- 09AJFP5925G1ZY

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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002130P

Test Report of Surface Water

Report No.	Reference No.	Issue Date
PCS/SW/02/2020	PCS/GIL/02/2020	09/11/2020

1. Name & Address of Industry: M/s Grasim Industries Limited
At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand
2. Type of Industry: Chemical Industry
3. Type of Sample : Surface Water
4. Sample Received by: Mr. Rohit Yadav & Mr. Ghanshyam Babu
5. Sample Location: Chaliya Nala
6. Date of Sampling : 31/10/2020
7. Sample Receipt in Lab: 01/11/2020
8. Date of Testing: 02/11/2020-07/11/2020

S. N	Parameters	Unit	Reference Method*	Results	Standard
1.	Temperature	°C	2550A	22.6	-
2.	pH	-	4500 H	7.55	5.5-9.0
3.	Chloride as Cl	mg/L	4500-Cl-B	666.0	1000
4.	TSS	mg/L	2540 D	58.0	100
5.	TDS	mg/L	2540-C	1331	-
6.	COD	mg/L	5220-B	184.0	250
7.	#Oil& Grease	mg/L	5520-B	<1	10

*As per APHA/AWWA, 22nd Ed. (2012)

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Authorized Signatory

(Dr Divya Misra)
Managing Director

"End of Report"



Services Provided

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 'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002131P

Test Report of Ground Water Quality

Report No.	Reference No.	Issue Date				
PCS/GWQ/01/2020	PCS/GIL/02/2020	09/11/2020				
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand					
2. Type of Industry:	Chemical Industry					
3. Type Of Sample :	Ground Water					
4. Sample Location:	Bisunpur Village (Sh. Ashok Singh Dug Well)					
5. Water Level:	10.6 Meter					
6. Sample Collected By:	Mr. Rohit Yadav & Mr. Ghanshyam Babu					
7. Date of Sampling :	31/10/2020					
8. Sample Receipt in Lab:	01/11/2020					
9. Date of Testing:	02/11/2020-07/11/2020					
S.N	Parameters	Unit	Reference Method*	GWI Results	BIS Standard IS 10500:2012 Requirement Acceptable Limits	Permissible Limit in the absence of alternate source
1	pH	-	4500H+B	7.40	6.5-8.5	NR**
2	#Taste	-	2150A	Agreeable	Agreeable	Agreeable
3	#Turbidity,	NTU	2130B	0.8	1	5
4	Total Hardness as CaCO ₃	mg/L	2340C	130.0	200	600
5	Iron (as Fe)	mg/L	3500-Fe,D	0.19	0.3	NR**
6	Chloride (as Cl)	mg/L	4500B	94.0	250	1000
7	Dissolved Solid	mg/L	4500-O,C	250.0	-	-
8	#Mercury	mg/L	3500-Hg,b	<0.001	0.001	NR**

*As per APHA/AWWA, 22nd Ed. (2012) ** No Relaxation

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Authorized Signatory

(Dr Divya Misra)
Managing Director

"End of Report"





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'NABL' Accredited Laboratory Certificate No. TC-8241 dated-01 Jan. 2019 to 31 Dec. 2020

URL- TC824119000002132P

Test Report of Ground Water Quality

Report No.	Reference No.	Issue Date
PCS/GWQ/02/2020	PCS/GIL/02/2020	09/11/2020
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type Of Sample :	Ground Water	
4. Sample Location	Ghordhia Village (Md. Ayub Ansari Dug Well)	
5. Water Level:	11.8 Meter	
6. Sample Collected By:	Mr. Rohit Yadav & Mr. Ghanshyam Babu	
7. Date of Sampling :	31/10/2020	
8. Sample Receipt in Lab:	01/11/2020	
9. Date of Testing:	02/11/2020-07/11/2020	

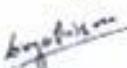
S.N	Parameters	Unit	Reference Method*	GW2 Results	BIS Standard IS 10500:2012	
					Requirement Acceptable Limits	Permissible Limit in the absence of alternate source
1	pH	-	4500H+B	7.3	6.5-8.5	NR**
2	#Taste	-	2150A	Agreeable	Agreeable	Agreeable
3	#Turbidity,	NTU	2130B	0.7	1	5
4	Total Hardness as CaCO ₃	mg/L	2340C	128.0	200	600
5	Iron (as Fe)	mg/L	3500-Fe,D	0.17	0.3	NR**
6	Chloride (as Cl)	mg/L	4500B	77.0	250	1000
7	Dissolved Solid	mg/L	4500-O,C	248.0	-	-
8	#Mercury	mg/L	3500-Hg,b	<0.001	0.001	NR**

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Authorized Signatory


(Dr Divya Misra)
Managing Director

"End of Report"





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Test Report of Ground Water Quality

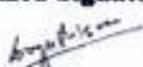
Report No.	Reference No.	Issue Date
PCS/GWQ/01/2020	PCS/GIL/01/2020	09/11/2020
1. Name & Address of Industry:	M/s Grasim Industries Limited At P.O.: Rehla, Garhwa Road, Palamu, Jharkhand	
2. Type of Industry:	Chemical Industry	
3. Type Of Sample :	Ground Water	
4. Sample Location	Dandila Village (Sh. Munna Ram Dug Well)	
5. Water Level:	11.5 Meter	
6. Sample Collected By:	Mr. Asheesh Kushwaha & Mr. Vipin Kannojiya	
7. Date of Sampling :	31/10/2020	
8. Sample Receipt in Lab:	01/11/2020	
9. Date of Testing:	02/11/2020-07/11/2020	

S.N	Parameters	Unit	Reference Method*	GW3 Results	BIS Standard IS 10500:2012	
					Requirement Acceptable Limits	Permissible Limit in the absence of alternate source
1	pH	-	4500H+B	7.24	6.5-8.5	NR**
2	#Taste	-	2150A	Agreeable	Agreeable	Agreeable
3	#Turbidity,	NTU	2130B	0.8	1	5
4	Total Hardness as CaCO ₃	mg/L	2340C	148.0	200	600
5	Iron (as Fe)	mg/L	3500-Fe,D	0.13	0.3	NR**
6	Chloride (as Cl)	mg/L	4500B	76.0	250	1000
7	Dissolved Solid	mg/L	4500-O,C	282.0	-	-
8	#Mercury	mg/L	3500-Hg,b	<0.001	0.001	NR**

*As per APHA/AWWA, 22nd Ed. (2012) ** No Relaxation

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Authorized Signatory


(Dr Divya Misra)
Managing Director

"End of Report"



Grasim Industries Ltd, Chemical division RehlaWater Drawl during peroid April,20 to Sept,20

S.L. No.	Particular	Apr-20 KL	May-20 KL	Jun-20 KL	Jul-20 KL	Aug-20 KL	Sep-20 KL	Average water drawal KL/Day
A	Initial Meter Reading	248670	382462	524005	705813	904404	127062	
B	Final Meter Reading	382462	524005	705813	904404	127062	329604	
	Water Drawal During the Month	133792	141543	181808	198591	222658	202542	
	Water Drawal KL/Day	4460	4566	6060	6406	7183	6751	5904



✓

**Grasim Industries Ltd, Chemical
division Rehla,**

**Waste Water Generation during
peroid April, 20 to September,20**

Month	Waste Water Genetation in KL
April,20	155.80
May,20	240.71
June,20	365.86
July,20	281.06
Aug,20	274.16
Sept,20	295.81
Average Generation in KL	268.90



OIC

GIL-CDR/UH/ENV/2019-20/4019

29th Sept, 2019

The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Division Building, Dhurwa,
Ranchi

Sub : Compliance of directions issued by JSPCB vide letter no B-82 dated 18/01/2019.
Ref : 1. Our letter GIL-CDR/UH/ENV/2008-19/1475 Dated 20/01/2019.
2. Our letter GIL-CDR/ UH/ENV/2008-19/1477 dated 30.01.2019.
3. Our Emails to Regional Officer, JSPCB.

Dear Sir,

In connection with the above subject matter please find reference of your directives issued vide letter dated 18.01.2019 whereby and whereunder certain directives were issued by the JSPCB for compliance of pollution norms. In terms of the directives issued by the JSPCB we had given assurance to comply all the directions by 30th Sep 2019.

We wish to inform you that while following the timelines we have complied all the directives of the Board in terms of our commitment within the stipulated period.

We are hereby submitting the point wise compliance report as directed by the Board vide letter no B-82 dated 18/01/2019 in the following manner for your kind perusal and necessary action:-

Direction No -1:

The Calibration of the pH meter should be done to ensure the correctness of the pH Meter.
Compliance:

pH meter has been accurately calibrated much earlier and calibration Schedule is being adhered to ensure correctness.

Direction No -2:

Drawing, design and completion time line for storm water drain shall be submitted. Moreover storm water drainage and its functioning may be examined.

Compliance:

Site Layout of Waste water routing and Storm Water drain was submitted with our letter dated 20th Jan 2019. Moreover all the waste water from individual plant section pits has already been interconnected to central ETP via overhead line.

Direction No -3:

Bottom Ash will not be used in brine sludge lagoon.

N. OIC
 Grasim Industries Limited
 Chemical Division, Rehla
 Garhwa Road, Rehla 822 124
 Dist. Palamau, Jharkhand, India

1

Telephone +91 6584 262211/221/488
 Fax +91 6584 262205

Website www.grasim.com
 CIN L17124MP1947PLC000410
 Email grasim.rehla@adityabirla.com





Compliance:

Bottom Ash is not being used at brine lagoon.

Direction No -4:

Drawing, design with completion timeline of gatland drain around the sludge lagoon shall be submitted.

Compliance:

With due deliberations with your officials, during their visits, retaining wall of Brine sludge lagoon was raised by more than 1 meter from all the sides, surface runoff / rain-water collection pit, was constructed with transfer facility to central ETP. Further 2 meter wide platform has been constructed, at unloading section for proper transfer of sludge at lagoon.

Direction No -5:

New Brine sludge lagoon with liner and provision of leachate collection along with its timeline completion shall be submitted.

Compliance:

We are committed for construction of new lagoon with leachate collection by Sept 2020. Through with agreed staging with your office, the existing lagoon will suffice the requirement till Sep, 2020. Following is the time line for completion of construction of new lagoon with leachate collection:-

- Acquiring land in vicinity of plant premises by 15 Dec, 2019.
- Permission from JSPCB by 15th Jan 2020.
- Construction on approved design to begin from 1st Feb 2020.
- Commissioning of lagoon for operation by August 2020

Direction No -6:

Salt Bags to be disposed off within 3 months.

Compliance:

All the salt bags were disposed before 15th Feb 2019 and it has been sent to recycler, so that it may not affect the environment in any manner at any place. It may be pertinent to mention here that now the system to import salt has completely changed. Now the salt does not come in bags in our unit rather it is imported in closed container and the container directly goes to the place of operation (under roof shed) where it is opened and the salt is being consumed. Thus, the issue of salt bags has been set at rest for all the times to come.

Direction No -7:

They would submit the action plan for achieving the Zero Liquid Discharge (ZLD), construction of new shed for coal stock yard and shed over salt unloading point.

Compliance:

Zero Liquid Discharge - Existing operational facility with TSS correction and Reverse Osmosis, has been upgraded to worst case scenario handling capability of 80 m³/Hr from 50m³/Hr through replacement of equipments. New Facility with MEE + ATDE has been installed for achieving Zero





Liquid Discharge for treated effluent. Commissioning of individual section was completed in phased manner and entire system is in operation since 20th Sept 2019.

The water recovery from waste water is subdivided into primary, secondary and tertiary treatment facility. The primary treatment facility comprises of automated pH control and Lamella clarifier. Lamella clarifier is equipped with automated chemical dosing along with filter press for sludge removal. The primary treatment facility is supplied by M/s Ionberg Technologies and Chemicals.

The secondary treatment facility comprises of Multi Grade filters, Activated carbon filter along with fully automated bag and ultra-filtration. The output of secondary treatment is fed to fully automated tertiary treatment comprising of two stage reverse osmosis system with recovery up to 90%. The recovered water (permeate) is with TDS below 200 PPM. The secondary and tertiary treatment facility is been supplied by M/s Membrane Group India (P) Ltd. All the active components are of DOW make.

To evaporate the RO reject and get solid residual, 4 stage Multi Effect Evaporator (MEE) and two nos of Agitated Tin Film Dryer(ATFD) with capacity 120M3/Day has been installed with proven in use technology from M/s Ketav Consultant successfully in operation at two of our chemical business unit at Nagda (in MP) and Renukoot(in UP).

In total approximately 10 Cr has been invested in achieving the goal of Zero Liquid Discharge for waste water.

New Coal Shed - The new coal shed having dimension of 50 m x 30 m is constructed and is in operation.

Shed over salt unloading point – It is not required at present since the previous system of unloading salt has been completely stopped as explained above in detail.

Direction No -8:

The provisions of Hazardous Waste management, collection and its disposal facility should be submitted.

Compliance:

Agreement copy with M/s Adityapur Waste Management Private Limited(AWMPL) was submitted with our letter date 20th Jan 2019. A new central facility with bins under roof shed (size 35 m x 23 m) has been constructed and the same is in operation since 15th June 2019 the wastes are being regularly dispatched to AWMPL.

Direction No -9:

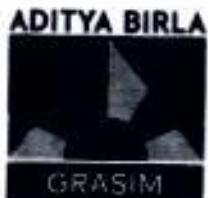
The up keeping of the factory premises should be made upto mark.

Compliance:

Proper housekeeping is maintained in our premises and we assure our commitment in future also.

N. S. D.
Grasim Industries Limited
Chemical Division, Rehla
Garhwa Road, Rehla 822 124
Dist. Palamau, Jharkhand, India

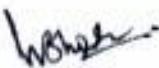




In view of the aforesaid, we most humbly submit that all the directives issued by your goodself have been fully complied within time. We assure you our continuous and timely compliances and our commitment and responsibility towards the environment.

Thanking you,

Yours faithfully,
For Grasim Industries Limited,
Chemical Division - Rehla


(Vivek V. Bhide)

Unit Head



Grasim Industries Limited
Chemical Division, Rehla
Garhwa Road, Rehla 822 124
Dist. Palamau, Jharkhand, India

4

Telephone +91 6584 262211/221/488
Fax +91 6584 262205

Website www.grasim.com
CIN L17124MP1947PLC000410
Email grasim.rehla@adityabirla.com

Regd. Office P.O. Birlagram, Nagda 456 331 (M.P.)

Annexure -IV



GIL/ENV/JSPCB/2020-21/ 67

Date: 13.04.2020

The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Bhawan, H.E.C. Complex,
Ranchi, Jharkhand.

Sub : Annual Return regarding generation & utilization of Fly Ash for the FY 2019-20.

Dear Sir,

We are submitting annual return regarding generation & utilization/ disposal of Fly Ash by us for the financial year 2019-20. This is for your kind information that Fly Ash generated by us is 100 % Utilized for Cement industries (M/s Shree Cement, M/s Dalmia Cement) & Brick Making.

Thanking you,

For Grasim Industries Ltd

(K.N. Mishra)



A.G.M. Q.C & Environment

Encl. – As above

cc: Regional Officer,
 Jharkhand State Pollution Control Board,
 Tupudana Industrial Estate,
Tupudana, Ranchi.

Grasim Industries Limited, Chemical Division, Rehla

Details related to Fly Ash (FY 2019-20)

Month	Opening Balance	Generation	Total Ash	Clearance to Cement Manufacturer	Brick Plant	Bottom Ash		Closing Stock	Net Off Take	% Utilization
	(MT)	(MT)	(MT)	(MT)	(MT)	To Nearby Community (MT)	To Project Site (MT)			
Apr-19	99.12	8156.24	8255.36	6455.85	330	1284	0	185.51	8069.9	98.9
May-19	185.51	10583.94	10769.45	7957.79	0	1884	0	927.66	9841.8	93.0
Jun-19	927.66	6056.01	6983.67	5358.04	120	1452	0	53.63	6930.0	114.4
Jul-19	53.63	10986.87	11040.5	8091.58	0	0	2172	776.92	10263.6	93.4
Aug-19	776.92	11600	12376.92	9314.66	110	0	2376	576.26	11800.7	101.7
Sep-19	576.26	11219.16	11795.41	7922.84	180	0	2772	920.57	10874.9	96.9
Oct-19	920.57	11981.01	12901.58	8772.4	830	0	2578.61	720.57	12181.0	101.7
Nov-19	720.57	11420.41	12140.98	9740.13	0	0	2083.07	317.78	11823.2	103.5
Dec-19	317.78	12322.38	12640.16	11016.32	20	0	1286.06	317.78	12322.4	100.0
Jan-20	317.78	6091.74	6409.52	4837.98	340	0	913.76	317.78	6091.7	100.0
Feb-20	317.78	8912.63	9230.41	8616.21	0	0	296.42	317.78	8912.6	100.0
Mar-20	317.78	8739.09	9056.87	6027.16	0	0	2829.71	200	8856.9	101.3
Total	5531.35	118069.47	123600.82	94110.96	1930	4620	17307.63	5632.23	117968.6	99.9

(K.N. Mishra)

A.G.M Q.C & Environment



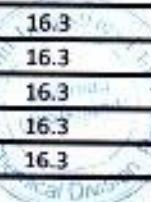
GRASIM INDUSTRIES LIMITED, CHEMICAL DIVISION, REHLA

Details of Waste Disposed to M/S Adityapur Waste Management Pvt. Ltd. During April 2020 to September 2020

Sl. No	Name of Waste	Date of disposal	Category of Waste	Quantity (MT)
1	ATFD WASTE	04.04.2020	-	9.720
2	ATFD WASTE	08.04.2020	-	10.180
3	Brine Sludge (Membrane Cell Plant)	11.05.2020	16.3	31.280
4	Brine Sludge (Membrane Cell Plant)	11.05.2020	16.3	40.160
5	Brine Sludge (Membrane Cell Plant)	11.05.2020	16.3	30.540
6	Brine Sludge (Membrane Cell Plant)	11.05.2020	16.3	30.900
7	Brine Sludge (Membrane Cell Plant)	11.05.2020	16.3	38.980
8	Brine Sludge (Membrane Cell Plant)	13.05.2020	16.3	40.100
9	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	42.320
10	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	30.780
11	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	41.140
12	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	31.740
13	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	32.040
14	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	32.920
15	Brine Sludge (Membrane Cell Plant)	14.05.2020	16.3	31.820
16	Brine Sludge (Membrane Cell Plant)	15.05.2020	16.3	40.720
17	Brine Sludge (Membrane Cell Plant)	15.05.2020	16.3	31.420
18	Brine Sludge (Membrane Cell Plant)	15.05.2020	16.3	31.840
19	Brine Sludge (Membrane Cell Plant)	15.05.2020	16.3	31.440
20	Brine Sludge (Membrane Cell Plant)	16.05.2020	16.3	30.980
21	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	41.560
22	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	32.520
23	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	32.700
24	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	31.220
25	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	40.960
26	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	32.540
27	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	32.320
28	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	31.280
29	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	39.820
30	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	43.260
31	Brine Sludge (Membrane Cell Plant)	18.05.2020	16.3	31.580
32	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	40.640
33	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	31.380
34	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	33.120
35	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	41.020
36	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	41.140
37	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	41.240
38	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	32.680
39	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	40.400
40	Brine Sludge (Membrane Cell Plant)	19.05.2020	16.3	39.940
41	Brine Sludge (Membrane Cell Plant)	20.05.2020	16.3	32.080
42	Brine Sludge (Membrane Cell Plant)	20.05.2020	16.3	32.520
43	Brine Sludge (Membrane Cell Plant)	20.05.2020	16.3	32.480
44	Brine Sludge (Membrane Cell Plant)	20.05.2020	16.3	31.520
45	Brine Sludge (Membrane Cell Plant)	20.05.2020	16.3	32.900
46	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	40.060
47	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	31.100
48	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	38.120
49	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	40.980
50	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	32.320
51	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	32.260
52	Brine Sludge (Membrane Cell Plant)	21.05.2020	16.3	40.480



53	Brine Sludge (Membrane Cell Plant)	22.05.2020	16.3	40.900
54	Brine Sludge (Membrane Cell Plant)	22.05.2020	16.3	40.240
55	Brine Sludge (Membrane Cell Plant)	22.05.2020	16.3	32.420
56	Brine Sludge (Membrane Cell Plant)	22.05.2020	16.3	30.800
57	Brine Sludge (Membrane Cell Plant)	22.05.2020	16.3	40.520
58	Brine Sludge (Membrane Cell Plant)	22.05.2020	16.3	39.780
59	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	38.960
60	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	38.720
61	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	31.640
62	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	32.320
63	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	38.080
64	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	33.180
65	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	32.940
66	Brine Sludge (Membrane Cell Plant)	23.05.2020	16.3	31.620
67	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	41.420
68	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	38.520
69	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	43.120
70	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	31.220
71	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	39.500
72	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	32.000
73	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	32.280
74	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	32.680
75	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	33.360
76	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	39.380
77	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	30.660
78	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	32.320
79	Brine Sludge (Membrane Cell Plant)	25.05.2020	16.3	39.840
80	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	38.700
81	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	39.460
82	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	30.900
83	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	32.120
84	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	31.340
85	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	39.100
86	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	37.980
87	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	31.460
88	Brine Sludge (Membrane Cell Plant)	26.05.2020	16.3	32.400
89	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	31.020
90	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	31.740
91	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	39.280
92	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	30.560
93	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	32.840
94	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	31.340
95	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	32.640
96	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	41.660
97	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	31.580
98	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	32.880
99	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	42.080
100	Brine Sludge (Membrane Cell Plant)	27.05.2020	16.3	32.280
101	MEE+ATFD WASTE	27.05.2020	-	11.020
102	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	31.480
103	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	32.480
104	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	32.060
105	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	32.340
106	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	31.880
107	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	32.320
108	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	40.340
109	Brine Sludge (Membrane Cell Plant)	28.05.2020	16.3	31.580



110	MEE+ATFD WASTE	30.05.2020	-	12.120
111	MEE+ATFD WASTE	08.06.2020	-	10.300
112	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	31.760
113	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	42.720
114	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	40.460
115	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	31.880
116	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	39.240
117	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	32.040
118	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	40.680
119	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	41.620
120	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	31.660
121	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	33.140
122	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	31.940
123	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	33.600
124	Brine Sludge (Membrane Cell Plant)	08.06.2020	16.3	42.380
125	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	31.200
126	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	41.240
127	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	43.040
128	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	31.900
129	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	40.040
130	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	31.080
131	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	42.640
132	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	30.960
133	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	42.000
134	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	30.380
135	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	40.220
136	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	41.980
137	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	41.360
138	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	42.620
139	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	40.400
140	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	38.200
141	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	33.560
142	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	32.160
143	Brine Sludge (Membrane Cell Plant)	09.06.2020	16.3	40.620
144	Brine Sludge (Membrane Cell Plant)	10.06.2020	16.3	32.200
145	Brine Sludge (Membrane Cell Plant)	10.06.2020	16.3	33.540
146	Brine Sludge (Membrane Cell Plant)	10.06.2020	16.3	33.080
147	Brine Sludge (Membrane Cell Plant)	10.06.2020	16.3	31.580
148	Brine Sludge (Membrane Cell Plant)	10.06.2020	16.3	42.080
149	Brine Sludge (Membrane Cell Plant)	10.06.2020	16.3	29.460
150	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.320
151	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	38.980
152	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	41.560
153	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	40.120
154	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.140
155	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	41.920
156	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	31.940
157	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.560
158	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	40.340
159	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	41.040
160	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	31.280
161	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.500
162	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.740
163	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.340
164	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.180
165	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	31.000
166	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	32.260

167	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	41.500
168	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	33.960
169	Brine Sludge (Membrane Cell Plant)	11.06.2020	16.3	33.260
170	MEE+ATFD WASTE	12.06.2020	-	10.720
171	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	31.340
172	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	41.720
173	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	32.460
174	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	33.000
175	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	41.100
176	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	32.620
177	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	31.580
178	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	41.560
179	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	30.720
180	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	39.920
181	Brine Sludge (Membrane Cell Plant)	12.06.2020	16.3	41.700
182	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	31.520
183	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	40.760
184	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	40.820
185	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	40.040
186	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	42.720
187	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	40.320
188	Brine Sludge (Membrane Cell Plant)	13.06.2020	16.3	42.560
189	MEE+ATFD WASTE	25.06.2020	-	11.400
190	MEE+ATFD WASTE	09.07.2020	-	10.960
191	MEE+ATFD WASTE	11.07.2020	-	10.320
192	MEE+ATFD WASTE	20.07.2020	-	10.540
193	Used Oil	22.07.2020		9.030
194	MEE+ATFD WASTE	25.07.2020	-	9.460
195	MEE+ATFD WASTE	28.07.2020	-	10.740
196	MEE+ATFD WASTE	06.08.2020	-	33.140
197	Glass wool	06.08.2020	-	2.920
198	MEE+ATFD WASTE	20.08.2020	-	35.540
199	Glass wool	20.08.2020	-	1.160
200	MEE+ATFD WASTE	25.08.2020	-	13.020
201	MEE+ATFD WASTE	08.09.2020	-	11.260
202	MEE+ATFD WASTE	14.09.2020	-	10.020
203	MEE+ATFD WASTE	21.09.2020	-	10.620
204	MEE+ATFD WASTE	24.09.2020	-	10.300
205	MEE+ATFD WASTE	26.09.2020	-	9.980
206	MEE+ATFD WASTE	30.09.2020	-	30.400
Total				6803.45


(Vikram Chandra Mani)
A.G.M.
Quality & Environment



HEALTH CHECK UP OF GRCD EMPLOYEES - 2020-21

Sr. no	Emp. Code	Name	Dept	Cat	Age	Exam Date
DATE-05.10.20						
1	ERHA00049	A N Pathak	Electrical-CSP	WORKER	55	5.10.20
2	ERHA00241	Abhay Kumar Dwivedi	Personnel & HRD	Management		
3	ERHA00244	Abhay Kumar Yadav	Operation-CSP	Management		
4	ERHA00233	Abhijit Roy	SBP Plant	Non-Management	27	5.10.20
5	ERHA00245	Abhineet Kumar Tiwary	Accounts	Non-Management	28	23.10.20
6	ERHA00251	Abhishek Biswal	Safety	Management	32	5.10.20
7	ERHA00242	Abhishek Tomar	Operation-CSP	Non-Management		
8	ERHA00232	Aditya Kumar Giri	Safety	Non-Management	28	5.10.20
9	ERHA00170	Afroz Murtaza	Time Office	Non-Management	41	10.10.20
10	ERHA00126	Ahmad Khan	IT	Management	39	5.10.20
DATE-06.10.20						
1	ERHA00223	Ajay Verma	Civil	Management	31	5.10.20
2	ERHA00250	Ajaz Ahmad	Instrument-CPP	Management	32	6.10.20
3	ERHA00138	Ajeet Kumar	Mechanical-CPP	Management	43	8.10.20
4	ERHA00199	Ajit Kumar	Security	Non-Management	50	6.10.20
5	ERHA00220	Ajit Kumar Jha	Marketing	Management		
6	ERHA00238	Ajit Singh Kaushik	Safety	Management	47	6.10.20
7	ERHA00043	Akhilesh Kumar	SBP Plant	WORKER	55	9.10.20
8	ERHA00047	Akhilesh Kumar Choubey	Operation-CSP	WORKER	55	6.10.20
9	ERHA00213	Akhilesh Kumar Shukla	Transport	Non-Management	36	6.10.20
10	ERHA00229	Akhilesh Yadav	Instrument-CSP	Non-Management	22	6.10.20
DATE-07.10.20						
1	ERHA00206	Akil Ansari	Mechanical-CSP	Non-Management	34	7.10.20
2	ERHA00214	Alakht Narayan Pandey	Marketing	Management	57	13.10.20
3	ERHA00022	Alok Kumar Saxena	Instrument-CSP	Management	59	7.10.20
4	ERHA00219	Alok Kumar Upadhyay	Electrical-CSP	Non-Management	41	7.10.20
5	ERHA00155	Amar Nath Jha	Electrical-CSP	Management	34	7.10.20
6	ERHA00239	Amarendra Baruli	Accounts	Non-Management	40	23.10.20
7	ERHA00217	Amarnath Ram	Materials	Non-Management	36	7.10.20
8	ERHA00248	Amit Kumar	Electrical-CPP	Management	34	6.10.20
9	ERHA00218	Amit Kumar Choubey	Electrical-CSP	Non-Management	32	7.10.20
10	ERHA00226	Amit Kumar Singh	Fire Safety	Management	33	7.10.20
DATE-08.10.20						
1	ERHA00017	Animesh Kumar Singh	Mechanical-CSP	Management		
2	ERHA00243	Anandi Ranjan Shukla	DM Plant	Non-Management	28	9.10.20
3	ERHA00237	Anand Kumar Dixit	SBP Plant	Non-Management	45	8.10.20
4	ERHA00088	Anand Prakash	DM Plant	Non-Management	49	8.10.20
5	ERHA00044	Anantlal Kumar Singh	Operation-CSP	WORKER		
6	ERHA00194	Anil Kumar	Instrument-CSP	Non-Management	35	8.10.20
7	ERHA00042	Anil Kumar Jha	Operation-CSP	WORKER	50	9.10.20
8	ERHA00040	Anil Kumar Singh	Operation-CSP	WORKER		
9	ERHA00045	Anil Kumar Singh Jr.	Operation-CSP	WORKER		
10	ERHA00122	Anil Kumar Tiwari	Laboratory	Non-Management	52	10.10.20
DATE-09.10.20						
1	ERHA00211	Anil Kumar Tiwari	Transport	Non-Management	34	9.10.20
2	ERHA00210	Anil Tiwari	Operation-CSP	Non-Management	44	7.10.20
3	ERHA00215	Ankit Verma	Operation-CSP	Non-Management		
4	ERHA00247	Ankush Kumar	Operation-CSP	Non-Management		
5	ERHA00202	Anup Kumar Gupta	Mechanical-CSP	Non-Management	41	9.10.20
6	ERHA00152	Arun Kumar	SBP Plant	Management	51	9.10.20
7	ERHA00099	Arun Kumar	Operation-CSP	WORKER	58	9.10.20
8	ERHA00080	Arun Kumar Mishra	Guest House	Non-Management	50	04.11.20
9	ERHA00052	Arun Kumar Pandey	Mechanical-CPP	WORKER	52	9.10.20
10	ERHA00041	Arun Kumar Singh	Operation-CSP	WORKER		
DATE-10.10.20						
1	ERHA00225	Arun Kumar Tiwari	Estate	Non-Management	39	10.10.20
2	ERHA00005	Arvind Kumar	Materials	Management	58	21.10.20
3	ERHA00196	Arvind Kumar	Operation-CPP	Management		
4	ERHA00014	Arvind Kumar	Operation-CSP	Management	53	10.10.20
5	ERHA00235	Arvind Kumar Shukla	Marketing	Non-Management	44	10.10.20
6	ERHA00020	Arvind Kumar Singh	Electrical-CSP	Management	53	10.10.20
7	ERHA00246	Ashim Saini	Project	Management	39	10.10.20
8	ERHA00234	Ashish Chauhan	Operation-CSP	Management	28	16.10.20
9	ERHA00201	Ashish Kumar Dubey	Aluminium Chloride	Non-Management		
10	ERHA00169	Ashok Kumar	Instrument-CPP	Non-Management	42	10.10.20



		DATE-12.10.20			
1	ERHA00059	Ashok Kumar Pathak	Operation-CPP	WORKER	43 12.10.20
2	ERHA00200	Ashok Kumar Sahu	Instrument-CPP	Non-Management	
3	ERHA00072	Ashok Kumar Singh	Operation-CSP	Management	52 12.10.20
4	ERHA00222	Ashok Kumar Singh	WCM Cell	Management	51 12.10.20
5	ERHA00053	Ashok Kumar Tiwari	Operation-CSP	Non-Management	
6	ERHA00193	Ashok Ravidas	Civil	Non-Management	44 12.10.20
7	ERHA00224	Ashutosh Shukla	Operation-CPP	Management	27 24.10.20
8	ERHA00208	Ashwani Kumar Upadhyay	Operation-CPP	Non-Management	37 12.10.20
9	ERHA00240	Atish Kumar Singh	Materials	Management	41 12.10.20
10	ERHA00093	Atul Kumar Srivastava	Operation-CPP	WORKER	50 12.10.20
		DATE-13.10.20			
1	ERHA00228	Avadhesh Kumar Vishwakarma	Mechanical-CSP	Non-Management	24 13.10.20
2	ERHA00216	Avinashi Mishra	Operation-CPP	Non-Management	32 13.10.20
3	ERHA00209	Awadhesh Kumar	Security	Non-Management	45 12.10.20
4	ERHA00046	Ayoob Ansari	Laboratory	WORKER	52 13.10.20
5	ERHB00086	Bal Krishan	Electrical-CSP	Non-Management	21 13.10.20
6	ERHB00056	Baharsi Prasad Pandey	Mechanical-CPP	Management	58 13.10.20
7	ERHB00085	Bapuji Nahak	Mechanical-CSP	Non-Management	25 14.10.20
8	ERHB00043	Bhagwan Shah	Electrical-CSP	WORKER	53 05.11.20
9	ERHB00038	Bhagwan Singh	Mechanical-CSP	WORKER	53 13.10.20
10	ERHB00081	Bhaskar Roy	Operation-CPP	Management	Leave
		DATE-14.10.20			
1	ERHB00082	Bhisham Kumar Dubey	Security	Non-Management	
2	ERHB00080	Bhupendra Singh Rajput	Operation-CPP	Management	36 14.10.20
3	ERHB00078	Bijendra Kumar	Operation-CSP	Management	31 14.10.20
4	ERHB00064	Bimal Kumar Verma	Marketing	Management	Kolkata
5	ERHB00040	Binod Mishra	Electrical-CSP	WORKER	56 14.10.20
6	ERHB00021	Binod Prasad	Guest House	SUB-STAFF	49 19.10.20
7	ERHB00083	Birendra Kumar Dubey	Security	Non-Management	48 14.10.20
8	ERHB00014	Brajesh Pandey	Electrical-CSP	Management	56 14.10.20
9	ERHB00084	Brijesh Kumar	SBP Plant	Non-Management	27 15.10.20
10	ERHB00069	Brijesh Kumar Singh	Mechanical-CPP	Management	46 14.10.20
		DATE-15.10.20			
1	ERHB00058	Brijesh Singh	Operation-CPP	WORKER	49 15.10.20
2	ERHC00021	Chandan Kumar	Electrical-CPP	Non-Management	
3	ERHC00020	Chandan Kumar Deepak	Mechanical-CSP	Non-Management	33 15.10.20
4	ERHC00024	Chandan Rai	Safety	Management	
5	ERHC00025	Chandankumar Yadav Khekare	Operation-CPP	Non-Management	27 15.10.20
6	ERHC00005	Chandeshwar Prasad	Mechanical-CPP	WORKER	55 15.10.20
7	ERHC00026	Chandeshwar Ram	Marketing	Non-Management	49 15.10.20
8	ERHC00022	Chandi Charan Roy	Instrument-CSP	Non-Management	29 15.10.20
9	ERHC00004	Chandra Bhawan Prasad Singh	Operation-CSP	WORKER	52 15.10.20
10	ERHC00027	Chandra Bhushan Shukla	Communication	Non-Management	45 15.10.20
		DATE-16.10.20			
1	ERHC00023	Chandrakesh Yadav	Mechanical-CSP	Non-Management	38 15.10.20
2	ERHD00063	Daya Ram Gupta	Aluminium Chloride	Non-Management	42 16.10.20
3	ERHD00097	Deepak Kumar Sharma	Operation-CPP	Management	45 16.10.20
4	ERHD00023	Deo Brat Tiwari	Guest House	Non-Management	
5	ERHD00031	Deonarayan Yadav	Operation-CPP	WORKER	
6	ERHD00077	Deva Kanta Dash	Laboratory	Non-Management	47 16.10.20
7	ERHD00021	Devendra Singh Tomar	Accounts	Management	
8	ERHD00067	Dhananjay Kumar	Instrument-CSP	Management	35 16.10.20
9	ERHD00100	Dharmendra Kumar Vishwakarma	Instrument-CPP	Non-Management	30 16.10.20
10	ERHD00089	Dharmendra Kumar Singh	Mechanical-CSP	Non-Management	39 16.10.20
		DATE-17.10.20			
1	ERHD00079	Dharmendra Pratap Singh	Civil	Management	50 21.10.20
2	ERHD00098	Dharmvir Paswan	Mechanical-CSP	Non-Management	42 17.10.20
3	ERHD00081	Dheeraj Kumar	Mechanical-CSP	Management	39 26.10.20
4	ERHD00095	Dhirendra Kumar Mishra	Security	Non-Management	27 17.10.20
5	ERHD00099	Digvijay Pandey	Project	Management	Transfer
6	ERHD00016	Dilip Kumar	Electrical-CSP	WORKER	58 17.10.20
7	ERHD00012	Dilip Kumar Mishra	Operation-CSP	WORKER	
8	ERHD00009	Dinesh Kumar Singh	Security	SUB-STAFF	54 16.10.20
9	ERHD00084	Dinesh Pandey	Electrical-CSP	Management	53 17.10.20
10	ERHD00096	Dinesh Shah	Electrical-CSP	Non-Management	31 17.10.20
		DATE-19.10.20			
1	ERHD00029	Dinesh Upadhyay	Materials	Management	53 19.10.20
2	ERHD00092	Dipankar Jana	Operation-CSP	Non-Management	
3	ERHD00094	Dr. Hari Prasad	Aditya Chikitsalya	Management	



4	ERHD00090	Dr. Surendra Kumar	Aditya Chikitsalaya	Management		
5	ERHA00230	Dr.Anup Kujur	Aditya Chikitsalaya	Management		
6	ERHA00231	Dr.Arvind Kumar Sharma	Aditya Chikitsalaya	Management		
7	ERHD00004	Durga Prasad Chaubey	Operation-CSP	Non-Management		
8	ERHG00014	Ganesh Prasad	Electrical-CSP	WORKER	55	19.10.20
9	ERHG00030	Ganga Kumar Singh	Security	Non-Management	46	20.10.20
10	ERHG00015	Gangeshwar Shukla	Operation-CSP	WORKER	51	19.10.20
DATE-20.10.20						
1	ERHG00031	Gautam Yadav	Aluminium Chloride	Non-Management		
2	ERHG00036	Ghanshyam Vishwakarma	ER	Management	38	21.10.20
3	ERHG00024	Girindra Kumar Tiwari	Laboratory	Management	44	20.10.20
4	ERHG00035	Girraj Prasad Gupta	Finance	Management	36	20.10.20
5	ERHG00013	Gopal Choudhary	Mechanical-CSP	WORKER	EXPIRED	
6	ERHG00033	Gorakh Nath Shukla	Staff Club	Non-Management	51	20.10.20
7	ERHG00028	Govind Lal	Flaking Plant	Non-Management	27	22.10.20
8	ERHG00027	Guddu Kumar	Flaking Plant	Non-Management	25	22.10.20
9	ERHG00009	Gupteshwar Ram	Accounts	SUB-STAFF	56	20.10.20
10	ERHG00032	Gyan Vardhan	Operation-CSP	Management	25	20.10.20
DATE-21.10.20						
1	ERHH00022	Harikesh Yadav	Mechanical-CSP	Management	37	21.10.20
2	ERHH00017	Hariom Tiwari	Operation-CPP	Management	30	29.10.20
3	ERHH00002	Harishankar Rawat	Operation-CPP	SUB-STAFF	57	21.10.20
4	ERHH00004	Hemant Kumar Sinha	Operation-CSP	WORKER	56	23.10.20
5	ERHH00019	Hikmatiar Mallick	Mechanical-CSP	Non-Management		
6	ERHH00007	Hiraman Ram	Mechanical-CSP	WORKER	52	21.10.20
7	ERHH00018	Hitendra Nath Pandey	Operation-CPP	Management	34	21.10.20
8	ERH00011	Imran Ahmed	Operation-CSP	Management	30	23.10.20
9	ERH00004	Indrajit Singh	Operation-CSP	Non-Management	48	22.10.20
10	ERH00010	Ishaque Ansari	Aditya Chikitsalaya	Non-Management		
DATE-22.10.20						
1	ERHU00049	Jagdish Parsad Sharma	Marketing	Non-Management	32	22.10.20
2	ERHU00023	Jainendra Nath Choubey	Electrical-CPP	WORKER	49	22.10.20
3	ERHJ00046	Jamil Ansari	Transport	Non-Management	36	22.10.20
4	ERHJ00045	Jay Prakash Maurya	Flaking Plant	Non-Management	36	23.10.20
5	ERHJ00050	Jay Shankar Jha	Legal	Management		
6	ERHJ00030	Jaypal Singh	Security	Management	57	23.10.20
7	ERHJ00047	Jitendra Kumar Chauhan	Mechanical-CSP	Non-Management	33	03.11.20
8	ERHJ00048	Jitendra Kumar Mishra	Electrical-CPP	Management	37	31.10.20
9	ERHJ00013	Jitendra Kumar Shukla	Operation-CSP	WORKER		
10	ERHJ00042	Jitendra Kumar Verma	Aditya Chikitsalaya	Non-Management	39	22.10.20
DATE-23.10.20						
1	ERHJ00044	Jyoti Jang Singh	Security	Management	53	23.10.20
2	ERHK00055	K Rabi Kumar Achary	ER	Management	40	23.10.20
3	ERHK00052	Kanchan	Materials	Non-Management	28	04.11.20
4	ERHK00034	Kausher Ali Khan	Operation-CPP	WORKER	45	23.10.20
5	ERHK00057	Kaushik Mitra	Accounts	Management	38	23.10.20
6	ERHK00023	Krishna Kr. Singh	Civil	Non-Management	55	23.10.20
7	ERHK00051	Krishna Kumar Choubey	Security	Non-Management		
8	ERHK00056	Krishna Nand Shukla	Guest House	Non-Management	53	23.10.20
9	ERHK00024	Kumar Manglam Pandey	Materials	Non-Management	52	24.10.20
10	ERHL00004	Lakhan Prasad	Guest House	SUB-STAFF	57	23.10.20
DATE-24.10.20						
1	ERHL00011	Lakshman Singh	Estate	WORKER	52	24.10.20
2	ERHL00006	Lal Bihari	Operation-CSP	WORKER	56	24.10.20
3	ERHL00012	Lalit Kumar Choubay	DM Plant	Non-Management	47	24.10.20
4	ERHL00020	Lalit Kumar Sahoo	Instrument-CPP	Non-Management	30	24.10.20
5	ERHM00038	M M Yadav	Operation-CPP	WORKER	49	19.10.20
6	ERHM00039	M N Upadhyaya	Operation-CPP	WORKER	50	24.10.20
7	ERHM00084	Magan Singh	Marketing	Management	53	24.10.20
8	ERHM00011	Malihendra Singh	Personnel & HRD	SUB-STAFF	54	24.10.20
9	ERHM00090	Makardhwaj Kushwaha	Guest House	Non-Management	36	19.10.20
10	ERHM00087	Manas Das	Operation-CPP	Management	32	24.10.20
DATE-27.10.20						
1	ERHM00072	Manish Tiwary	Estate	Management	Left	
2	ERHM00094	Manish Gurg	CPP-O&M	Management	43	28.10.20
3	ERHM00093	Manish Kumar Singh	ER	Management		
4	ERHM00082	Manjeet Kumar Sinha	Operation-CPP	Management	32	28.10.20
5	ERHM00099	Manoj kumar pandey	Operation-CSP	Non-Management	46	28.10.20
6	ERHM00036	Manoj Kumar Singh	Personnel & HRD	Management		
7	ERHM00095	Manoj Kumar Singh	Security	Non-Management		



8	ERHM00096	Manoj Kumar Singh	Security	Non-Management	53	27.10.20
9	ERHM00016	Markandey Tiwari	SBP Plant	WORKER		
10	ERHM00101	Md Khurshid Ahmad	Instrument-CPP	Management	32	27.10.20
		DATE-28.10.20				
1	ERHM00019	Md. Azaz	Electrical-CSP	WORKER	48	20.10.20
2	ERHM00029	Md. Gulam Rasul	Accounts	SUB-STAFF	46	29.10.20
3	ERHM00043	Md. Shakil Ansari	Electrical-CPP	WORKER	44	28.10.20
4	ERHM00085	Meraj Khan	Security	Non-Management		
5	ERHM00097	Mohammad Mahmood Ansari	Mechanical-CSP	Non-Management	49	28.10.20
6	ERHM00091	Mohit Kumar Ghosh	Mechanical-CSP	Non-Management	49	17.10.20
7	ERHM00098	Moinuddin Ahsan Sheikh	ER	Management		
8	ERHM00100	Monika Srivastava	Personnel & HRD	Management		
9	ERHM00086	Munna Kumar Chaudhary	Operation-CSP	Non-Management		
10	ERHM00002	Mujran Prasad	Accounts	Management	56	29.10.20
		DATE-29.10.20				
1	ERHN00043	Nar Bahadur Thapa	Mechanical-CSP	Non-Management	40	29.10.20
2	ERHN00005	Narayan Thakur	Administration	SUB-STAFF	56	29.10.20
3	ERHN00007	Narendra Dubey	Operation-CSP	WORKER		
4	ERHN00011	Nareesh Kumar Yadav	Electrical-CSP	WORKER	50	28.10.20
5	ERHN00044	Newanit Kumar Tiwari	Operation-CSP	Non-Management	32	29.10.20
6	ERHN00045	Neeraj Kumar Singh	Electrical-CSP	Non-Management	37	29.10.20
7	ERHN00004	Neyaz Ahmad Khan	Ranchi Office	Management		
8	ERHN00042	Niraj Kumar	Materials	Management		
9	ERHN00041	Niraj Kumar	Electrical-CSP	Non-Management	34	04.11.20
10	ERHN00050	Niraj kumar singh	Operation-CSP	Non-Management	38	29.10.20
		DATE-30.10.20				
1	ERHN00049	Nirbhay Kumar Shukla	Guest House	Non-Management	37	29.10.20
2	ERHN00048	Nirmal Kumar Singh	Transport	Non-Management	33	31.10.20
3	ERHN00051	Nirmalya Kumar Sahu	Operation-CSP	Non-Management	26	30.10.20
4	ERHN00047	Nishant Kumar Agrawal	Horticulture	Non-Management	31	30.10.20
5	ERHN00046	Nisikanta Bera	Mechanical-CSP	Non-Management		
6	ERHN00018	Nitesh Kumar	Operation-CPP	WORKER	49	30.10.20
7	ERHN00040	Nitin Prasad Mishra	Operation-CSP	Non-Management		
8	ERHN00024	Nrapendra Narayan Mishra	Mechanical-CPP	Management	46	16.10.20
9	ERHO00005	O P Mishra	Mechanical-CSP	WORKER	57	31.10.20
10	ERHO00016	Om Prakash	Operation-CSP	Management		
		DATE-31.10.20				
1	ERHO00017	Om Prakash	Operation-CSP	Non-Management	34	31.10.20
2	ERHO00015	Omkarешwar Nath Choubey	Marketing	Management	34	31.10.20
3	ERHP00071	Pallab Das	Operation-CPP	Management		
4	ERHP00083	Pankaj Kumar	Operation-CPP	Management	33	29.10.20
5	ERHP00092	Pankaj Kumar Dubey	Laboratory	Non-Management	40	30.10.20
6	ERHP00090	Pankaj Kumar Gupta	Marketing	Management		
7	ERHP00088	Pankaj Kumar Rai	Security	Non-Management	40	31.10.20
8	ERHP00114	Pankaj Kumar Singh	Security	Non-Management	43	31.10.20
9	ERHP00093	Partha Sen	Materials	Management		
10	ERHP00098	Pawan Kumar Gupta	Mechanical-CSP	Non-Management	29	31.10.20
		DATE-02.11.20				
1	ERHP00101	Pawan Kumar Pawan	Communication	Non-Management	43	02.11.20
2	ERHP00022	Prabhat Kr. Shambhu	Civil	Non-Management	54	02.11.20
3	ERHP00084	Pradeep Kumar Gautam	Operation-CSP	Non-Management		
4	ERHP00018	Pradeep Kumar Sahu	Electrical-CPP	WORKER	52	02.11.20
5	ERHP00111	Pradeep Kumar Verma	Operation-CSP	Non-Management		
6	ERHP00105	Pradeep Yadav	Electrical-CSP	Non-Management	28	02.11.20
7	ERHP00094	Pradip Kumar Disha	Operation-CSP	Non-Management	47	04.11.20
8	ERHP00109	Prakash Balaji Harne	VAP	Management	58	02.11.20
9	ERHP00099	Prakash Chandra Verma	Finance	Management		
10	ERHP00038	Pramod Kumar	Operation-CPP	WORKER	54	02.11.20
		DATE-03.11.20				
1	ERHP00112	Pramod Kumar Singh	Electrical-CSP	Non-Management	44	03.11.20
2	ERHP00113	Pramod Kushwaha	Operation-CSP	Non-Management		
3	ERHP00096	Prasanta Garai	Instrument-CSP	Non-Management	30	7.10.20
4	ERHP00103	PRASTINUIT DUTTA	Marketing	Non-Management		
5	ERHP00102	Prashant Kumar Singh	Materials	Non-Management	26	03.11.20
6	ERHP00106	Prasun Kumar Singh	Materials	Non-Management	35	03.11.20
7	ERHP00104	Pratima Verma	Electrical-CSP	Non-Management	26	04.11.20
8	ERHP00082	Praween Kumar Singh	Operation-CPP	Non-Management	38	23.10.20
9	ERHP00064	Pravin Kumar Deo	Mechanical-CSP	Management		
10	ERHP00107	Prem Kumar	Project	Management	49	03.11.20
		DATE-04.11.20				



1	ERHP00086	Pritam Malik	Laboratory	Non-Management	31	30.10.20
2	ERHP00097	Priya Brat Prasad	ER	Non-Management	54	04.11.20
3	ERHP00028	Punit Kumar Agarwal	Accounts	Management	50	04.11.20
4	ERHR00055	R K Dwivedi	Operation-CSP	Non-Management	57	04.11.20
5	ERHR00068	R S Gupta	Electrical-CSP	WORKER	55	04.11.20
6	ERHR00047	Raghbir Singh	Security	SUB-STAFF		
7	ERHR00032	Raghunath Choudhary	SBP Plant	WORKER	56	04.11.20
8	ERHR00201	Rahul Kumar	Civil	Non-Management	21	05.11.20
9	ERHR00192	Rahul Kumar Shukla	Security	Non-Management	30	30.10.20
10	ERHR00205	Rahul Venugopal	Mechanical-CSP	Management		
DATE-05.11.20						
1	ERHR00181	Raj Kapoor	Security	Non-Management	43	27.10.20
2	ERHR00184	Rajan Kumar Singh	Mechanical-CPP	Management		
3	ERHR00153	Rajeev Kumar Mishra	Operation-CPP	Management		
4	ERHR00154	Rajeev Kumar Pandey	Operation-CPP	Management	37	05.11.20
5	ERHR00174	Rajeev Ranjan Tiwary	Electrical-CPP	Non-Management		
6	ERHR00079	Rajendra Dixit	Operation-CPP	SUB-STAFF	57	05.11.20
7	ERHR00191	Rajesh Kumar Shah	Operation-CPP	Management		
8	ERHR00091	Rajesh Kumar Sinha	Security	SUB-STAFF	46	05.11.20
9	ERHR00152	Rajesh Rath	Finance	Management	49	05.11.20
10	ERHR00097	Rajesh Vishwakarma	Operation-CPP	WORKER	47	05.11.20
DATE-06.11.20						
1	ERHR00082	Rajiv Kumar Pandey	Instrument-CSP	Non-Management		
2	ERHR00155	Rajnish Kumar	Operation-CPP	Management	44	05.11.20
3	ERHR00103	Rakesh Dwivedi	Mechanical-CPP	WORKER		
4	ERHR00101	Rakesh Kumar Pathak	Operation-CPP	WORKER		
5	ERHR00104	Ram Bilash Prasad	Mechanical-CPP	WORKER		
6	ERHR00100	Ram Pal Singh	Operation-CPP	WORKER		
7	ERHR00057	Ram Pravesh Singh	SBP Plant	Non Management		
8	ERHR00066	Rama Kant Shukla	Mechanical-CPP	WORKER		
9	ERHR00185	Ramanuj Kumar	Project	Management		
10	ERHR00015	Rampravesh Dixit	Marketing	Management		
DATE-07.11.20						
1	ERHR00004	Ranjan Kumar Mishra	Accounts	Management		
2	ERHR00197	Ranjit Harishchandra Naik	Instrument-CSP	Management		
3	ERHR00178	Ravi Gupta	Operation-CPP	Management		
4	ERHR00202	Ravi Kumar	Electrical-CSP	Non-Management	32	03.11.20
5	ERHR00189	Ravi Kumar Dubey	DM Plant	Non-Management		
6	ERHR00190	Ravi Kumar Singh	Marketing	Management		
7	ERHR00171	Ravi Kumar Srivastava	Operation-CPP	WORKER	43	04.11.20
8	ERHR00200	Ravi Prabhat Choudhary	Operation-CSP	Non-Management		
9	ERHR00193	Ravi Prakash Singh	Security	Non-Management		
10	ERHR00170	Ravi Prakash Tiwari	Instrument-CSP	Non-Management		
DATE-09.11.20						
1	ERHR00204	Ravi Ranjan	Accounts	Non-Management		
2	ERHR00175	Ravi Ranjan Kumar	Electrical-CSP	Non-Management	31	05.11.20
3	ERHR00121	Ravindra Nath Dubey	Mechanical-CPP	Management		
4	ERHR00058	Ravindra Tiwari	Operation-CSP	WORKER		
5	ERHR00119	Ritesh Shankar Prasad	Electrical-CPP	Non-Management	40	05.11.20
6	ERHR00206	Ritisha Mishra	Personnel & HRD	Management		
7	ERHR00188	Robina Lakra	Aditya Chikitsalaya	Non-Management		
8	ERHR00177	Rohit Priyadarshi	Mechanical-CPP	Management		
9	ERHR00196	Room Singh	Operation-CSP	Non-Management		
10	ERHS00045	S C Srivastava	Civil	Non-Management		
DATE-10.11.20						
1	ERHS00048	S D B Rai	Operation-CSP	WORKER		
2	ERHS00263	Saikat Banik	Aluminium Chloride	Non-Management		
3	ERHS00276	Sambit Kumar Parida	Operation-CSP	Non-Management		
4	ERHS00241	Sandip Kumar Patra	Mechanical-CSP	Non-Management		
5	ERHS00243	Samey Singh	Security	Non-Management		
6	ERHS00259	Sanjay Kaushik	Marketing	Management		
7	ERHS00096	Sanjay Kr. Srivastava	Electrical-CPP	WORKER	50	21.10.20
8	ERHS00272	Sanjay Kumar	Operation-CSP	Non-Management		
9	ERHS00248	Sanjay Kumar Gupta	WCM Cell	Management	56	27.10.20
10	ERHS00201	Sanjay Kumar Pandey	Operation-CPP	WORKER	44	30.10.20
DATE-11.11.20						
1	ERHS00220	Sanjay Kumar Singh	Instrument-CPP	Non-Management		
2	ERHS00181	Sanjay Kumar Singh	Operation-CPP	Management		
3	ERHS00260	Sanjaya Kumar Sahu	Operation-CPP	Non-Management		
4	ERHS00274	Sanjeev Kumar Kansal	Project	Management		



5	ERH500008	Sanjeev Kumar Maheshwari	Finance	Management	59	31.10.20
6	ERH500254	Sanjeev Kumar Mishra	Personnel & HRD	Management		
7	ERH500240	Sammitra Rathnepant Shrikhande	Fire Safety	Non-Management		
8	ERH500202	Santosh Kr. Vishwakarma	Operation-CPP	WORKER	45	30.10.20
9	ERH500064	Santosh Kumar	Electrical-CPP	WORKER		
10	ERH500104	Santosh Kumar	Operation-CPP	WORKER		
DATE-12.11.20						
1	ERH500082	Santosh Kumar Singh	Electrical-CPP	WORKER	44	03.11.20
2	ERH500245	Santosh Kumar Singh	Instrument-CSP	Management		
3	ERH500115	Santosh Kumar Upadhyay	Electrical-CPP	WORKER		
4	ERH500238	Saroj Kumar	Mechanical-CSP	Non-Management		
5	ERH500209	Saroj Kumar Patel	Mechanical-CPP	Non-Management		
6	ERH500145	Sanwar Hussain	Operation-CPP	WORKER		
7	ERH500264	Satish Chandra Shukla	Project	Non-Management		
8	ERH500097	Satish Kumar Singh	Operation-CPP	WORKER		
9	ERH500255	Saurabh Kumar Pathak	Communication	Non-Management		
10	ERH500268	Saurav Kumar	Electrical-CSP	Non-Management		
DATE-13.11.20						
1	ERH500273	Shailendra Kumar Chaturvedi	Aluminium Chloride	Management	28	22.10.20
2	ERH500047	Shailendra Kumar Jha	Operation-CSP	WORKER		
3	ERH500233	Sham Sher	Operation-CPP	Non-Management		
4	ERH500246	Shambhu Ram	Guest House	Non-Management		
5	ERH500083	Shankar Prasad	Security	SUB-STAFF		
6	ERH500170	Shashi Bhushan Tiwari	SBP Plant	Non-Management		
7	ERH500229	Shashi Kant Shukla	Marketing	Non-Management		
8	ERH500230	Shashikant Mishra	Electrical-CPP	Management		
9	ERH500034	Sheo Narayan Mahto	Kolkata Office	SUB-STAFF		
10	ERH500216	Shiv Singh	Instrument-CPP	Non-Management	42	02.11.20
DATE-16.11.20						
1	ERH500261	Shivam Kumar Dwivedi	Laboratory	Non-Management		
2	ERH500049	Shyam Bihari Pandey	Laboratory	WORKER		
3	ERH500108	Shyam Bihari Tiwari	Electrical-CPP	WORKER		
4	ERH500043	Shyam Lal Verma	Operation-CSP	WORKER		
5	ERH500219	Shyam Pal	Operation-CPP	Non-Management		
6	ERH500269	Shyamal Tripathi	WCM Cell	Management		
7	ERH500044	Sidh Nath Sharma	Operation-CSP	WORKER		
8	ERH500275	Simanchal Sahu	Operation-CSP	Management		
9	ERH500221	Sisir Kumar Panja	Marketing	Management		
10	ERH500258	Sita Sharan Shah	Operation-CPP	Non-Management		
DATE-17.11.20						
1	ERH500237	SK Sirajul Islam	Mechanical-CSP	Non-Management		
2	ERH500205	Sk. Wasim Akram	Project	Non-Management		
3	ERH500207	Smaran Ranjan Sahu	Marketing	Management		
4	ERH500277	Sobhan Kumar Sahu	Operation-CPP	Non-Management		
5	ERH500236	Seurabh Sharma	Instrument-CSP	Management		
6	ERH500251	Srabana Kumar Pradhan	Electrical-CPP	Non-Management	29	03.11.20
7	ERH500204	Subha Shankar Chatterjee	Operation-CSP	Non-Management		
8	ERH500249	Subhamoy Tunga	Instrument-CSP	Non-Management		
9	ERH500239	Subhasish Misra	Electrical-CPP	Non-Management		
10	ERH500037	Sudarshan Singh	Security	SUB-STAFF		
DATE-18.11.20						
1	ERH500226	Sudhanshu Kumar Singh	Accounts	Management		
2	ERH500060	Sudhir Kumar Shah	Operation-CSP	WORKER		
3	ERH500146	Sujay Kumar Prasad	Ranchi Office	Non-Management		
4	ERH500247	Sujeet Singh	Aluminium Chloride	Management		
5	ERH500227	Sujit Anand	Laboratory	Non-Management		
6	ERH500242	Sukesh Kumar Rai	Electrical-CSP	Non-Management		
7	ERH500029	Sultan Ansari	Transport	SUB-STAFF		
8	ERH500266	Sunil Kumar Shukla	Electrical-CSP	Non-Management		
9	ERH500075	Sunil Kumar Singh	Time Office	Non-Management		
10	ERH500252	Sunil Kumar Singh	Security	Non-Management	47	28.10.20
DATE-19.11.20						
1	ERH500267	Sunil Ram	Security	Non-Management		
2	ERH500270	Sunny Kumar	Electrical-CSP	Non-Management		
3	ERH500271	Suninder Kumar	Instrument-CSP	Non-Management		
4	ERH500231	Surendra Singh	Security	Non-Management		
5	ERH500056	Suresh Kumar	Electrical-CSP	WORKER		
6	ERH500012	Suresh Mishra	Jamnagar Office	Non-Management		
7	ERH500250	Suresh Prajapati	Transport	Non-Management		
8	ERH500265	Sushil Kumar Shukla	ER	Non-Management		



9	ERHS00158	Sushil Kumar Singh	IT	Non-Management		
10	ERHS00103	Swarath Ram	Operation-CPP	WORKER		
DATE-20.11.20						
1	ERHS00253	Swarnendu Chakraborty	Operation-CSP	Non-Management		
2	ERHT00008	T P Singh	Instrument-CPP	WORKER		
3	ERHT00018	Tarkeshwar Singh	Operation-CPP	Non-Management		
4	ERHT00017	Tek Chandra Das	Aditya Chikitsalaya	Non-Management		
5	ERHT00012	Trilochan Sahoo	Personnel & HRD	Non-Management		
6	ERHT00016	Tuhin Dhar	Operation-CSP	Management		
7	ERHU00026	Umeshankar Verma	Operation-CPP	Non-Management		
8	ERHU00010	Umesh Kumar Singh	Operation-CSP	WORKER		
9	ERHU00024	Umesh Pal	Operation-CPP	WORKER		
10	ERHU00025	Upendra Kumar Mishra	Materials	Non-Management		
DATE-21.11.20						
1	ERHU00017	Upendra Singh	Operation-CPP	Non-Management		
2	ERHU00028	Upendra Vishwakarma	SBP Plant	Non-Management		
3	ERHU00027	Utkarsh Dixit	Mechanical-CPP	Non-Management		
4	ERHV00087	Vidya Nand Mishra	IT	Management		
5	ERHV00015	Vijay Kumar Dubey	Electrical-CSP	WORKER		
6	ERHV00083	Vijay Kumar Ram	SBP Plant	Non-Management		
7	ERHV00009	Vijay Kumar Singh	Aditya Chikitsalaya	Non-Management		
8	ERHV00083	Vijay Kumar Yadav	Operation-CSP	Non-Management		
9	ERHV00011	Vijay Prasad Choudhary	Operation-CSP	WORKER		
10	ERHV00069	Vijay Tiwari	Operation-CPP	Non-Management		
DATE-23.11.20						
1	ERHV00066	Vikas Kumar	Operation-CSP	Non-Management		
2	ERHV00088	Vikram Chandra Mani	Laboratory	Management		
3	ERHV00070	Vineet Tuli	Operation-CPP	Non-Management		
4	ERHV00012	Vinod Kumar Pandey	SBP Plant	WORKER		
5	ERHV00062	Vinod Kumar Yadav	Laboratory	Non-Management		
6	ERHV00010	Vinod Prasad Sahi	Operation-CSP	WORKER		
7	ERHV00078	Vishal Kumar Singh	Marketing	Non-Management		
8	ERHV00077	Vishnu Saini	Flaking Plant	Non-Management		
9	ERHV00084	Vishwajeet Kumar Shukla	Mechanical-CSP	Management		
10	ERHV00008	Viswajit Samaddar	Electrical-CSP	Management		
DATE-24.11.20						
1	ERHV00080	Vivek Kanti Kar	Operation-CSP	Management		
2	ERHV00076	Vivek Kumar Pandey	Aluminium Chloride	Non-Management		
3	ERHV00085	Vivek Singh Sengar	Project	Management		
4	ERHV00072	Vivek Vijay Bhide	Administration	Management		
5	ERHY00006	Yashwant Kumar Rajak	SBP Plant	Non-Management		
6	ERHY00001	Yohannan MG	U H Office	Management		





Annexure - A
Date: 21/10/20

OCCUPATIONAL - HEALTH CENTRE
GRASIM INDUSTRIES LTD. CHEMICAL DIVISION ,REHLA
DISTT.- PALAMAU, JHARKHAND 822124

Pre Employment & Annual Health Check - up

Regn No. 11852

Date. 21/10/20

Name: Marikesh Yadav

Age/Sex 37/M Emp Code H00022
Dept Mech. CSP

Father Name: Khesawan Yadav

DOB - 08/05/1983 Aadhar No.

Contact No. 919053071197

History of Present illness:-

History of Previous illness:-

Allergic History - N

(T.B,D.M,HTN,ASTHMA)

Physical Examination:-

Build	61	Wt.	75 kgs	Height	174 cm
Chest Circumference - Inspiration	105	Cms. Expiration	100	Cms-Spo ₂	98%
Anemia	N/1	Icterus	N/1	Cyanosis	N/1
Clubbing	N/1	Lymphadenopathy	N/1	Oedema	N/1
Pulse rate	80/m.m.	Blood Pressure	130/80	MM of Hg	

Systemic Examination:-

A) CVS System	N/1	B) Respiratory System	N/1
C) GI System	N/1	D) Organomegaly Liver	N/1
E) Genito Urinary System	N/1	Spleen	N/1
G) Gynecology & Obstetrics		Lump	N/1
I) Skin Exam	N/1	F) CNS	N/1
		H) Eye vision Right Eye	6/6
		With Glass/Without Glass	
		Left Eye	6/6
		Colour Vision	Normal

Pathological Report:- A) Hb% : 14.6 B) F/R/PP Blood Sugar : 94 mg% C) Blood Group & Rh :-

Chest X-Ray P A View Report :-

ECG - N/1

Audiometry Report :-

PFT -

Recommendation:-

According to the report he/she is mentally and physically Fit/unfit

Signature of Employee



Signature of Doctor



ADITYA CHIKITSALAYA

Ghanshyam Kunj, P.O. Rehla Palamau (Jharkhand)

Annexeure-VI

Macleod

Patient's Name: Hawikesh YADAV

Ref. by Dr. Hemaji MD of CMO

BLOOD EXAMINATION REPORT

Date: 2/1/10/m

TEST	RESULT	NORMAL VALUE	TEST	RESULT	NORMAL VALUE		
Hb%	14.6 gm%	11.5-13.5 gm%	B. Sugar (F)		70-100 mg/dl		
Total RBC Count	4.8 mill.	4.5-5.5 mill./mm	B. Sugar (P.P.)		upto 140 mg/dl		
Total WBC Count	7500/cmm	5000-9000/cmm.	B. Sugar (R)	74 mg/dl	70-140 mg/dl		
Total Platelets Count	1.35 L/cmm	2-4 Lakh/cmm	B. Urea	17 mg/dl	20-40 mg/dl		
Diff. Count of WBC			S. Creatinine	0.23 mg/dl	0.7-1.4 mg/dl		
1. Neutrophils	57.1.	55-65%	Uric Acid	4.16 mg/dl	2.6-7.0 mg/dl		
2. Lymphocytes	27.1.	25-35%	Total Protein		6.0-8.0 mg/dl		
3. Eosinophils	10.1.	1-5%	Albumin		3.0-5.0 mg/dl		
4. Monocytes	00.1	1-2%	Globulin		3.0-5.2 mg/dl		
5. Basophils	0.0.1	0-1%	S. Bilirubin Total	0.6 mg/dl	0.2-1.0 mg/dl		
6. Abnormal Cells			Direct		0.1-0.4 mg/dl		
E.S.R. (Westergreen)	03-11 mm/hrs.	Indirect			0.2-0.8 mg/dl		
P.C.V.	47%	47%	Alk Phosphates	178 i.u.	100-250 i.u.		
M.C.V.	88.0	76.00-96.00 qu.	SGOT	74 i.u.	upto 40 i.u.		
M.C.H.	30.1	27.00-32.00 pg	SGPT	21 i.u.	upto 40 i.u.		
MCHC.	34.4	32.00-36.00 g/dl	T. Cholesterol	172 mg/dl	140-240 mg/dl		
Parasites (MP/MF)		Negative	Triglyceride	78 mg/dl	60-165 mg/dl		
Optimal Test.		Negative	HDL	47 mg/dl	30-65 mg/dl		
Bleeding Time	1-3 Min	LDL	103 mg/dl	90-210 mg/dl			
Coagulation Time	2-6 Min	VLDL	70 mg/dl	28.0 mg/dl			
Prothrombin Time		Calcium			7.8-11.2 mg/dl		
R. A. Factor		Negative	Sodium		135-155 mmol/l		
ASO Titer	>200 tdd		Potassium		3.5-5.5 mmol/l		
A. Antigen		Negative	WIDAL TEST:				
HIV (Screening)		Negative	S. Typhi	"O"	"H"	"AH"	"BH"
C.R.P.		Negative	Dilution				
ABO Grouping (W)	(H)						
Rh Typing (W)	(H)						
VDRL (W)	(H)						



Signature



DISASTER SAFETY SERVICES

Grasim Industries Ltd., Rehla

CHEMICAL HAZARDS TRAINING RECORD

1 AUGUST -31 AUGUST

SR NO	DRIVER NAME	VEHICLE NO	TRANSPORTER	PRODUCT
1	RAJA SINGH	JH14B7805	GNS	HCL
2	RITESH KUMAR	JH14D2998	GNS	HCL
3	GUDU CHAUDHARY	JH03T1877	JAY MAA SHARDY	HCL
4	EMAMUDIN ANSARI	JH14F5088	GNS	HYPO
5	OMPRakash SINGH	WB3985160	TARA MERCENTHE	CHLORINE
6	NAGENDRA CHAUDHARY	JH14E1627	GNS	CSL
7	VISHNU KUMAR	JH14F5416	GNS	CSL
8	ANAND SONI	UP64AT2351	ADITYA ASSOCIATES	CHLORINE
9	SITARAM	UP65FT2737	ANAND ROAD LINES	CHLORINE
10	PRAMOD SHUKLA	JH14D9092	MAA AMBEY ROAD LINES	CHLORINE
11	BABLU ROY	WB2989513	SANG MITRA CARRIERS	CSL
12	RAMRAJ KUMAR	JH12B0027	STANDARD ENTERPRISES	HYPO
13	ANIL SINGH	JH034678	JAI MAA BHAWANI	HCL
14	GAJENDRA SINGH	WB11D00910	FOUNTAINHEAD	CSL
15	ROOPNARAYAN SINGH	JH14B6503	GNS	HCL
16	NAGENDRA SINGH	JH14E3577	GNS	HYPO
17	RAVINDRA KUMAR	UP63TB287	SHIVAM ROAD CARRIER	ALCP
18	VEDPRAKASH TIWARI	WB23I6273	SSS ENTERPRISES	CHLORINE
19	SANJAY RAM	JH14B5736	GNS	HCL
20	MALILA ANSARI	JH14F0318	GNS	HCL
21	DUKHAN ANSARI	JH14B6505	GNS	HYPO
22	UMESH DHAR	NL01N5549	VIVEK ROAD LINES	CSL

1 SEP-30 SEP

SR.NO				
1	NAGENDRA KUMAR	CG1251529	SURYA ROAD LINES	CHLORINE
2	FARID ANSARI	JH01BP8568	MAA AMBEY ROAD LINES	CSF
3	DURGA SINGH	JH03F9975	MAA AMBEY ROAD LINES	SBP
4	ISTIYAK ANSARI	CG15AC4186	MAA AMBEY ROAD LINES	CSF
5	UMASHANKAR	UP65ET1285	ANAND ROAD LINES	CHLORINE
6	VASIM AKRAM	WB15C3321	MAA AMBEY ROAD LINES	CSF
7	UMESH PRASAD	JH01CT1073	GNS	CSL
8	NANDKISHORE	JH01CT4219	GNS	CSL
9	SANJAY RAM	JH14B5736	GNS	HCL
10	CHAVINATH CHAUDHARY	JH14F1031	GNS	CSL
11	SALAHUDDIN ANSARI	JH14F8665	GNS	CSL
12	GANGA PANDEY	JH19AS224	MAA AMBEY ROAD LINES	ALCP
13	RAJVEER SINGH	JH05BB85713	ADITYA ASSOCIATES	CHLORINE
14	MANOJ TIWARI	JH14F7619	GNS	CSL
15	NANDU RAM	JH14F5933	GNS	CSL
16	GUDU CHAUDHARY	JH03T1877	MAA SHARDEY AUTOMOBILES	HCL
17	RANJAN PRASAD	JH03U6449	GURUMANAK ROAD LINES	HCL
18	SARFARAJ ANSARI	JH03U9777	GURUMANAK ROAD LINES	HCL
19	SATENDRA RAM	JH01CT3359	GNS	CSL
20	NARESH DAS	JH014F7304	GNS	CSL
21	DILIP SAW	UP62BT2961	JP TRANSPORT	CSL
22	VISHNU KUMAR	JH14F5416	GNS	CSL



Kanaklal
(Amit Kanaklal)



23	ARVIND SAW	WB19B3431	UNITED LOGISTICS	CSL
24	VICKY KUMAR	JH03N8057	GURUNANAK ROAD LINES	HCL
25	DUKHAN ANSARI	JH14B6505	GNS	HYPD
26	NASIR ANSARI	NL01AB3986	BS ENTERPRISES	HYPD
27	SATENDRA KUMAR	JH03V4678	JAI MAA BHAWANI	HCL
28	RASID MOHAMAD	PB13BE7613	SHIVAM ROAD CARRIER	ALCP
29	UMESH PRASAD	JH01CT1073	GNS	CSL
30	SALAHUDDIN ANSARI	JH14A7024	GNS	CSL
31	ARUN THAKUR	NL01NS5582	VIVEK ROAD LINES	CSL
32	SARFARAJ ANSARI	JH03U9777	GURUNANAK ROAD LINES	HCL



Akarshik
(Amit S. Karwade)



GRASIM REHLA PPE USAGE RECORD

Posting Date	Document Number	Material Description	Total quantity	Posted unit of meas.
08-05-2020	1107963399	SAFETY SHOE W/TOE	100	PAA
09-05-2020	1107964309	SAFETY HELMAT INDAL PORSLITE MM 3001	4	NO
11-05-2020	1107967692	GLOVES COTTON W/PVC DOT IS 6994 1973	20	NO
12-05-2020	1107969354	CARTRIDGE TRI-COLOUR PN CD888AA	1	NO
13-05-2020	1107970345	HAND GLOVES NITRILE 14IN MM LNLRG-197	15	PAA
13-05-2020	1107970345	PUNK GOGGLES,MM UNK-100	15	NO
15-05-2020	1107973098	HAND GLOVES NITRILE 14IN MM LNLRG-197	15	PAA
15-05-2020	1107973098	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
15-05-2020	1107973098	SAFETY HELMAT INDAL PORSLITE MM 3001	5	NO
15-05-2020	1107973098	GLOVES COTTON W/PVC DOT IS 6994 1973	19	NO
23-05-2020	1107984107	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
23-05-2020	1107984107	GLOVES,COTTON W/PVC DOT IS 6994 1973	10	NO
03-06-2020	1108005099	SAFETY SHOE W/TOE	400	PAA
11-06-2020	1108018958	RESPIRATOR,CRTG,MED,HALF PIECE,MM 6200	12	NO
11-06-2020	1108018958	3M8003 CL2 HCL CL02 H2S REF N10SH	24	NO
11-06-2020	1108018958	HELMET SFTY FRP IS 2925 198	10	NO
11-06-2020	1108018958	POUCH F/KEEPING 6200 HALF FACE MASK PCE	12	NO
11-06-2020	1108018958	HAND GLOVES NITRILE 14IN MM LNLRG-197	12	PAA
11-06-2020	1108018958	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
11-06-2020	1108018958	SAFETY HELMAT INDAL PORSLITE MM 3001	5	NO
11-06-2020	1108018958	PUNK GOGGLE,MM UNK-100	12	NO
11-06-2020	1108018958	EAR PLUG CORDED REUSABLE	12	NO
11-06-2020	1108018958	NOSE CLIP,MM V-44 ECONOMY	10	NO
17-06-2020	1108029081	NOSE CLIP MM V-44 ECONOMY	5	NO
22-06-2020	1108038887	RESPIRATOR,CRTG,MED,HALF PIECE,MM 6200	10	NO
22-06-2020	1108038887	3M8003 CL2 HCL CL02 H2S REF N10SH	20	NO
22-06-2020	1108038887	POLUCH F/KEEPING 6200 HALF FACE MASK PCE	50	NO
22-06-2020	1108038887	PUNK GOGGLES,MM UNK-100	20	NO
23-06-2020	1108041029	SAFETY SHOE W/TOE	48	PAA
26-06-2020	1108046838	COVERALL 42-45IN MM TYCHEM C AND F	3	NO
26-06-2020	1108046464	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
26-06-2020	1108046464	NOSE CLIP MM V-44 ECONOMY	10	NO
27-06-2020	1108048539	HAND GLOVES NITRILE 14IN MM LNLRG-197	40	PAA
27-06-2020	1108048539	HAND GLOVES PVC 14IN YELLOW	20	PAA
27-06-2020	1108048539	HAND GLOVES COTTON WI LINING INSIDE	20	PAA
30-06-2020	1108060669		0 000	
08-07-2020	1108075754	HAND GLOVES NITRILE 14IN MM LNLRG-197	50	PAA
08-07-2020	1108075754	NOSE CLIP MM V-44 ECONOMY	25	NO
25-07-2020	1108109652	SAFETY SHOE W/TOE	200	PAA
28-07-2020	1108115843	EYEWEAR,SAFETY, POLYCARBONATE, UD 30	5	NO
30-07-2020	1108120709	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
31-07-2020	1108124662	HAND GLOVES NITRILE 14IN MM LNLRG-197	15	PAA
07-08-2020	1108143304	SAFETY SHOE W/TOE	200	PAA
08-08-2020	1108144578	SAFETY HELMAT INDAL PORSLITE MM 3001	1	NO
10-08-2020	1108148240	SAFETY SHOE W/TOE	1	PAA
13-08-2020	1108154290	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
17-08-2020	1108160330	SAFETY SHOE W/TOE	300	PAA
18-08-2020	1108162900	LEG GUARD 18X11IN SOFT LEATHER,WHITE	20	PAA
19-08-2020	1108164389	SPECTACLE SAFETY,MM ES005(CLEAR) KARAM	50	NO
19-08-2020	1108165219	LEG GUARD 18X11IN SOFT LEATHER,WHITE	20	PAA
19-08-2020	1108164591	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
19-08-2020	1108165219	GLOVES,COTTON W/PVC DOT IS 6994 1973	40	NO
19-08-2020	1108165219	LEG GUARD 18X11IN SOFT LEATHER,WHITE	20	PAA
22-08-2020	1108170953	HAND GLOVE CRINKLE PALM,UPN 3,UDYOGI	25	PAA
24-08-2020	1108174604	NOSE CLIP MM V-44 ECONOMY	20	NO
24-08-2020	1108173510	HAND GLOVE CRINKLE PALM,UPN 3,UDYOGI	10	PAA
24-08-2020	1108173510	HAND GLOVE CRINKLE PALM,UPN 3,UDYOGI	10	PAA



(Anil Kavalek) *[Handwritten signature]*



24-08-2020	1108174880	SPECTACLE SAFETY MM ES005(CLEAR) KARAM	50	NO
25-08-2020	1108176235	FACE PIECE FULL 8800 200PPM	4	NO
25-08-2020	1108176235	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
25-08-2020	1108176142	HAND GLOVE CRINKLE PALM UPN 3.UDYOGI	10	PAA
25-08-2020	1108176142	HAND GLOVE CRINKLE PALM UPN 3.UDYOGI	10	PAA
26-08-2020	1108178819	GUMBOOT FULL 9NO	5	PAA
26-08-2020	1108178832	HAND GLOVES,NITRILE 14IN,MM LNLRG-197	5	PAA
26-08-2020	1108178832	GOOGLE MM UEE 161	5	NO
26-08-2020	1108178832	LEATHER HAND GLOVES	4	PAA
26-08-2020	1108178806	EAR MUFF VENUS H-550	2	NO
08-09-2020	1108215452	GLOVE PU HPPE&CTN GRY MM JL FLEX C1400	25	PAA
10-09-2020	1108219705	HAND GLOVES NITRILE 14IN MM LNLRG-197	30	PAA
15-09-2020	1108229849	GLOVE PU HPPE&CTN GRY MM JL FLEX C1400	25	PAA
19-09-2020	1108239597	NOSE CLIP MM V-44,ECONOMY	10	NO
22-09-2020	1108247558	GOOGLE MM UEE 161	10	NO
22-09-2020	1108247558	NOSE CLIP MM V-44,ECONOMY	10	NO
23-09-2020	1108248463	PUNK GOGGLES MM UNK-100	20	NO
24-09-2020	1108251897	SAFETY HELMAT INDAL PORSLITE MM 3001	6	NO
25-09-2020	1108255230	SAFETY HELMAT INDAL PORSLITE MM 3001	2	NO
25-09-2020	1108255230	NOSE CLIP MM V-44,ECONOMY	10	NO
03-10-2020	1108278501	HAND GLOVES NITRILE 14IN MM LNLRG-197	10	PAA
05-10-2020	1108283574	GLOVES COTTON WPVC DOT IS 8994 1973	25	NO
07-10-2020	1108289277	SAFETY HELMAT INDAL PORSLITE MM 3001	5	NO
07-10-2020	1108289277	GUMBOOT FULL 7NO	2	PAA
07-10-2020	1108289277	EAR PLUG,CORDED,REUSABLE	20	NO
07-10-2020	1108289277	GUMBOOT FULL 10NO	1	PAA
07-10-2020	1108289277	NOSE CLIP MM V-44,ECONOMY	10	NO
09-10-2020	1108293304	HAND GLOVES NITRILE 14IN MM LNLRG-197	40	PAA
09-10-2020	1108293304	GOOGLE MM UEE 161	40	NO
10-10-2020	1108296642	SAFETY HELMAT INDAL PORSLITE MM 3001	2	NO
17-10-2020	1108313320	SAFETY HELMAT INDAL PORSLITE MM 3001	2	NO
21-10-2020	1108322384	RESPIRATOR,CRTG,MED HALF PIFCE MM 6200	2	NO
21-10-2020	1108322384	3M 6003 CL2,HCL,ClO2,H2S,REF N10SH	4	NO
21-10-2020	1108322384	POUCH F/KEEPING 6200 HALF FACE MASK PCE	2	NO
21-10-2020	1108322384	EAR PLUG,CORDED,REUSABLE	10	NO
21-10-2020	1108322384	SAFETY HELMAT INDAL PORSLITE MM 3001	1	NO
21-10-2020	1108322384	NOSE CLIP MM V-44,ECONOMY	5	NO
23-10-2020	1108328228	SAFETY HELMAT INDAL PORSLITE MM 3001	1	NO
23-10-2020	1108328228	POUCH F/KEEPING 6200 HALF FACE MASK PCE	1	NO
24-10-2020	1108331965	COVERALL 42-45IN MM TYCHEM C AND F	8	NO



*Amanvir
(Amit Kumar)*





GIL_CDR/Circular/Env.Cell/2020-21/21

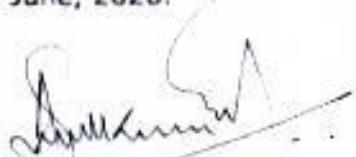
13th November, 2020**CIRCULAR**

A new "**Environment Cell**" consisting the following members is reconstituted for monitoring the pollution control norms in the plant areas as well as in all ancillary units. This team will ensure the treated effluents are within the prescribed norms before final discharge as well as emissions including SPM level for all the stacks attached to various plants:

- | | |
|--------------------------|---------------|
| 1. Mr. Ashok Kumar Gupta | - Chairman |
| 2. Mr. Ajay Kumar Gupta | - Member |
| 3. Mr. Manish Gurg | - Member |
| 4. Mr. Magan Singh | - Member |
| 5. Dr. Hari Prasad | - Member |
| 6. Mr. Prakash Harne | - Member |
| 7. Mr. Ajit Kaushik | - Member |
| 8. Mr. Niraj Kumar | - Member |
| 9. Mr. Sujit Anand | - Member |
| 10. Mr. Vikram Mani | - Coordinator |

The above committee will also ensure carrying out regular monitoring of environmental performance and meet on a regular basis and discuss various observations of the team members.

This supersedes earlier circular No. GIL_CDR/Circular/Env.Cell/2020-21/14 dated 15th June, 2020.


(Ashok Kumar Gupta)

Unit Head

Cc: All team members
Cc: All FHs/DHs

