

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	IA/JH/IND3/298331/2023
Compliance ID	692347578
Compliance Number(For Tracking)	EC/M/COMPLIANCE/692347578/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	29-11-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	JHARKHAND
RO/SRO Office Address	Integrated Regional Offices, Ranchi

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, JHARKHAND with Notification to Project Proponent.

GIL-CDR/ENV/2025-26/442

25.11.2025

To,
Addl. Principal Chief Conservator of Forests (C),
Regional Office (ECZ)
Ministry of Environment, Forests & Climate Change
2nd Floor, Headquarter- Jharkhand State Housing Board
Harmu Chowk, Ranchi, Jharkhand - 834002

Sub: Submission of Six Monthly (April 2025 to September 2025) EC Compliance

Ref: MoEF EC letter no. J-11011/1213/2007-IA-II(I) Dated 11.02.2009 & 11.05.2023

Dear Sir,

This has reference to the captioned subject and cited reference, we are herewith submitting six monthly Compliance report for the conditions stipulated in the Environment Clearance, for the period of April 2025 to September 2025 for your kind consideration.

Hope the above are in line with the statutory requirements.

Thanking you,

Yours faithfully,
For Grasim Industries Limited,
Chemical Division



(Hitendra Keshav Awasthi)
Unit Head – Grasim Industries Ltd, Rehla

Encl.: As above.

Copy to:

1. Regional Director, Regional Directorate (East), Central Pollution Control Board, Southern Conclave, Block 502, 5th and 6th Floors, 1582 Rajdanga Main Road, Kolkata – 700107 (W.B)
2. Member Secretary, Jharkhand State Pollution Control Board, T.A. Division Building, HEC Campus, Dhurwa, Ranchi – 834004 (Jharkahnd)
3. Regional Officer, Jharkhand State Pollution Control Board, E-1, CTI Colony, Dhurwa, Ranchi- 834004 (Jharkahnd)

ENVIRONMENTAL CLEARANCE COMPLIANCE STATUS REPORT

April 2025 to September 2025

**Six Monthly Compliance Status Report of
Environmental Clearance for Expansion of Caustic
Soda Lye Plant from 225 TPD to 550 TPD and CPP
from 30 MW to 60 MW, Expansion of existing Co-
products i.e. Stable bleaching Powder & Anhydrous
Aluminium Chloride and addition of new Co-
Products i.e. Poly Aluminium Chloride, Calcium
Chloride & Sodium Sulphate within existing plant
premises at Rehla, District Palamau- Jharkhand
(EC letter no. J-11011/1213/2007-IA-II(I) Dated 11.02.2009
& 11.05.2023)**



**GRASIM INDUSTRIES LIMITED
CHEMICAL DIVISION REHLA
PALAMAU-822124 (JHARKHAND)
Email- grasim.rehla@adityabirla.com
Telephone- +91 6584 262211 / 221**

A) Specific Conditions

(i) All the mercury cell operation shall be based on membrane cell and no mercury cell based operation shall be carried.

Compliance Status:

- Mercury Cell based Caustic soda production was stopped in the year 2006. Membrane cell based technology is adopted for the production Caustic Soda.

(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.

Compliance Status:

- Unit has installed Waste Air De-chlorination system to control the chlorine emission at source by effective absorption system and to arrest the concentration within the limit.
- Chlorine Concentration in the vent gases is maintained within the prescribed limit, which is being monitored through OCEMS as well as manual sampling & analysis methodology. NABL Accredited Laboratory Analysis report attached as **Annexure 1**.

(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.

Compliance Status:

- Unit has installed chlorine gas detector at different locations of plant including liquid chlorine storage, Sodium hypo plant, HCL synthesis and electrolysis area. List of installed Cl sensors attached as **Annexure 2**.
- OCEMS having connectivity with JSPCB and CPCB server is installed in HCL and Sodium Hypo stack.

(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 100mg/Nm³.

Compliance Status:

- Unit has an appropriate arrangements of interlocking system & efficient Air pollution control devices at different source type for controlling the particulate emission below the prescribed standards.
- NABL Accredited Laboratory Analysis report attached as **Annexure 3**.

(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.

Compliance Status:

- Unit has provided the monitoring arrangement with all stacks and vents and the regular monitoring report is being submitted to nodal agencies. Apart from that GIL has also

installed Online Continuous Monitoring system with the connectivity to JSPCB and CPCB server. Also, OCEMS report is being submitted to CPCB & SPCB on a weekly basis. Weekly Report Communication attached as **Annexure 4**.

(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**

Compliance Status:

- Fugitive emission monitoring is being done regularly, and the emissions are within specified limit as prescribed by SPCB.
- Fugitive emission report is attached in **Annexure 5**.

(vii) **The water requirement and waste water generation shall not exceed 9888 KLD and 840 KLD respectively.**

Compliance Status:

- The average water requirement between April 2025 to September 2025 was 6164 KLD against 9888 KLD and average waste water generation between April 2025 to September 2025 was 448 KLD against 840 KLD. All the waste Water generated from plant is being treated through ETP & RO plant and RO reject is being treated through MEE+ATFD plant.

Month	Water Drawl Month (KL)	Water Drawl (KLD)
Apr-25	210245	7008
May-25	222146	7166
Jun-25	182414	6080
Jul-25	161386	5206
Aug-25	170779	5509
Sep-25	180515	6017
Average Water Drawl (KLD)		6164

(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.**

Compliance Status:

- Unit has installed centralized ETP (Capacity:1600KLD) with additional facility (i.e. UF Plant (Capacity:88KL/Hr.), RO Plant (Capacity:80KL/Hr.), MEE Plant (Capacity:06KL/Hr.) and ATFD(Capacity:1.8KL/Hr.)) for achieving zero liquid discharge to treat the waste water, And the same was informed to JSPCB vide letter no. GIL-CDR/UH/ENV/2019-20/4019 Dated 29th September 2019.

(Photographs attached in **Annexure 6**)

(ix) **Green belt shall be developed in 24.62 acre out of total 81.94 acre 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.**

Compliance Status:

- Unit already have a green belt area of 35.47 % & above. Aside, unit is continuously identifying the places & planting the sapling within & nearby the premises to develop the denser green belt.(Photographs attached in **Annexure 7**)
- Green Belt plan drawing submitted to MOEF Ranchi vide our letter no. GIL- CDR/ ENV/ MOEF/ 18-19/3233 Dated 10th July 2018.

(x) The fly ash generated from the power plant shall be handled pneumatically and disposed of in accordance with the provisions of Fly Ash Notification, 2003.

Compliance Status:

- Fly Ash is being handled & disposed of in accordance with the provisions of Fly Ash Notification Rules 2016 and as amended. Unit have a dedicated silo for the storage of Ash & these are further being sent to Cement Manufacturing, NHAI etc. for its final utilisation. (Photographs attached in **Annexure 6**).
- Annual implementation report of FY 2024-25 has been submitted to board vide our letter no. GIL-CDR/ENV/2025-26/40 Dated 26th April 2025.

(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.

Compliance Status:

- Hazardous Waste generated from plant is being disposed at authorized CHW-TSDF in Jharkhand as per Hazardous & other Waste Rules, 2016 and as amended. Also, the disposal Quantity along with White Manifest or Form 10 is being submitted on a monthly basis to the Board.
- Details of Hazardous Waste Disposal & Recycling is attached as **Annexure 8**.

(xii) During transfer of materials, spillages shall be avoided and gurand drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.

Compliance Status:

- Unit is being maintained with adequate measures, to avoid any spillage and to comply the stipulated condition.

(xiii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

Compliance Status:

- Occupational Health surveillance of the workers are being done timely & the records are being maintained as per the Factories Act.

(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 employees on handling of chemicals shall be imparted.

Compliance Status:

- Regular Trainings are being delivered to the employees and workers on various aspects of safety & health and handling of chemicals.
- Pre-employment and routine periodical medical examinations for all employees are being done on regular basis and the records are being maintained.

(xv) Usage of PPEs by all employees/ workers shall be ensured

Compliance Status:

- Usage of PPE's by all employees/ workers are being ensured and strictly followed.

(xvi) The company shall strictly follow all the recommendations mentioned in the charter on Corporate Responsibility for Environmental Protection (CREP) for Caustic Soda plant.

Compliance Status:

- Unit has followed & implemented the recommendations mentioned in the CREP for caustic soda plant e.g. Switch from Mercury Cell based Caustic soda production technology to Membrane cell based technology for the production of Caustic Soda

(xvii) The company shall comply with all the commitments made during public hearing held on 28th August, 2008.

Compliance Status:

- Unit has ensured and complied the Commitments made during public hearing held on 28th August 2008.

(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.

Compliance Status:

- Unit has Complied the stipulated condition.

B) General Conditions

(i) The project authorities shall strictly adhere to the stipulations of the SPCB/State government or any statutory body.

Compliance Status:

- We are abiding by all the compliance conditions made by SPCB/state government or any statutory body.

(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.

Compliance Status:

- Agreed & it is being complied. No further expansion beyond the existing capacity in the plant will be carried out without prior approval from statutory body.

(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.

Compliance Status:

- Agreed & it is being complied. Site is already equipped with the Air pollution control systems. All processes and flue gas stacks are monitored through online monitoring system, which is connected to JSPCB and CPCB server.
- (iv) **The gaseous emissions (SO₂, NO_x, HCl, CO) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. 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.**

Compliance Status:

- Gaseous emission and particulate matter along with RSPM levels from various process units are within prescribed limits and are also been monitored through online monitoring system.
- (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.**

Compliance Status:

- Locations of the Ambient Air Quality Monitoring Station were reviewed and based on the GLC study, unit has installed the CAAQMS at 04 locations and all the stations are well connected with JSPCB server.
- NABL accredited laboratory analysis report attached as *Annexure 9*.
- (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.**

Compliance Status:

- Stack height is appropriate as per the guideline and Dedicated Scrubbers are there in HCl and Sodium Hypo to Control HCl Mist & Chlorine as well as scrubbed water is sent to ETP for further treatment.
- (vii) **All the storage tanks will be under negative pressure to avoid any leakages. Breather valves, N2 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.**

Compliance Status:

- Stipulated conditions are being complied, as the storage tanks are well maintained under negative pressure to avoid any leakages. Even other adequate measures are in its place to minimize vapour losses.
- (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

Compliance Status:

- GIL has taken following measures to reduce waste:
 - a) Site is using washed / super washed salt to minimize waste
 - b) Site is using Chlorine by-product in production of Stable Bleaching Powder, Anhydrous Aluminium Chloride and Poly Aluminium Chloride.
 - c) All products are automated closed feed system like Stable Bleaching Powder, Anhydrous Aluminium Chloride and Caustic Flakes.
 - d) Products are made through this methodology to avoid waste
 - e) Appropriate Venting equipment's are provided.
 - f) Site is continuously working on this methodology to reduce the waste water generation during equipment cleaning

(ix) **The project authorities shall strictly comply with the rules 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.**

Compliance Status:

- We are abiding by all the rules & guidelines of the conditions stipulated. Unit has a valid authorization (No. JSPCB/HO/RNC/HWM-11254322/2022/09 Dated 30/03/2022) from JSPCB for Generation, Storage, Transportation, Utilisation 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).**

Compliance Status:

- Noise level in and around the plant area are being monitored periodically and the level is within prescribed limit. NABL Accredited Laboratory Analysis report attached as **Annexure 10**.
- Aside Personal Protective Equipment's have been provided to the employees to avoid any accompanied noise hazards. Also facilities like acoustic hoods, silencers, enclosures etc have been provided to reduce noise at source.

(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.**

Compliance Status:

- Unit has followed the rain water harvesting methodology and installed the system at several locations for water conservation, as per the approved plan by Central Ground Water Department, Ranchi vide Letter No. G.W.D- 252/Ranchi Dated 28.05.2012. Aside unit have developed additional 23 NOS RWH points at different locations. (RWH location details attached as **Annexure 11**)

(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.**

Compliance Status:

- Complied, Eco Developmental plan was Submitted Vide our letter no.- ABCIL/GM(O)/JSPCB/2009-10/2104A Dated – 02.05.2009.
- Socio economic development or community welfare activities are regularly undertaken in and around the area. The development activities undertaken in the surrounding community are need based and are in the field of health care, infra development, drinking water, Training & education like on agricultural practices, self-employment, etc. (CSR/CER Details and Photographs attached as **Annexure- 12**)

(xiii) **The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.**

Compliance Status:

- All the environmental protection measures & safeguards such as ETP, APCEs, Hazardous Waste proper handling, transfer and disposal are being complied in accordance with the EIA/EMP report. (Photographs attached as **Annexure- 6**)
- (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.**

Compliance Status:

- A separate Environmental Management Cell is constituted for the purpose of safeguarding environment, also the unit has a well-equipped & full-fledged laboratory facility to carry out the monitoring activities and Unit has been Accredited by NABL for Environmental Laboratory. (NABL Certificate number: TC-11878 Valid Until: 04/07/2029 as **Annexure-13**)

(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 stipulated herein. The funds so provided shall not be diverted for any other purpose.**

Compliance Status:

- Site has earmarked the separate funds for the environmental management activities. The fund is being spent on Waste Management, Air Pollution Control, Zero Waste Water Discharge and others including Greenery development, Online Monitoring, etc.

(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.**

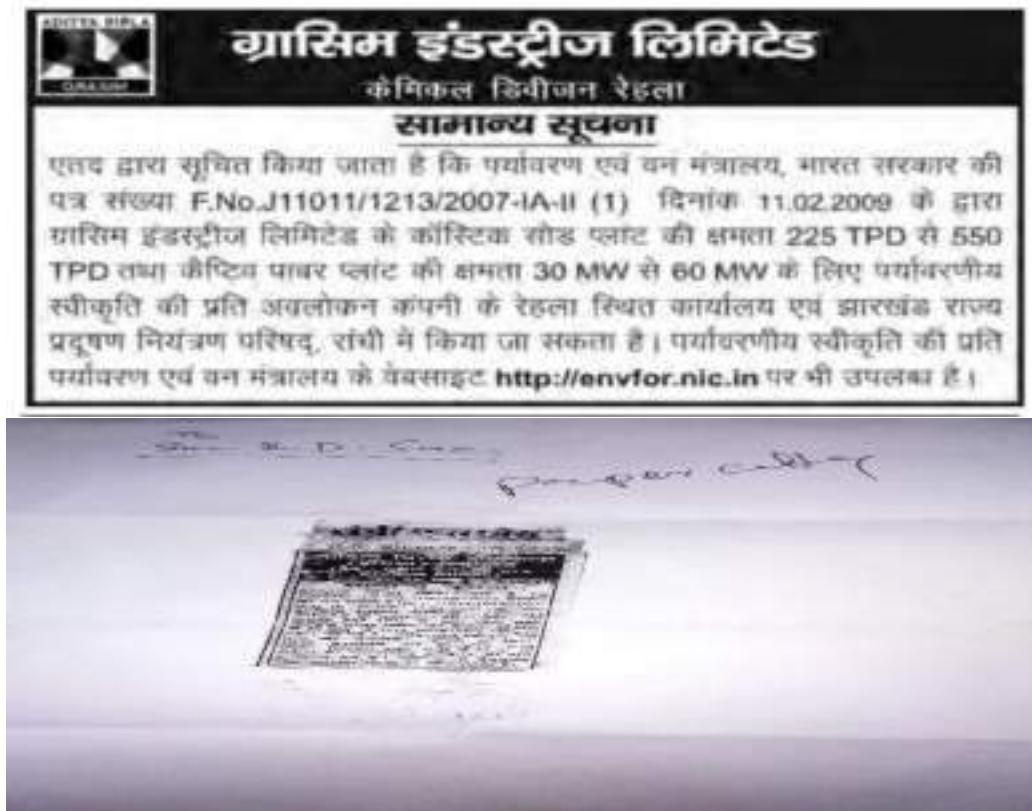
Compliance Status:

- Six Monthly Compliance status report is being submitted to monitoring agencies and the same is being uploaded on the company website.
- Compliance report for the period Oct'24 to Mar'25 is submitted vide letter no. GIL-CDR/ENV/2025-26/97 Dated 24/05/2025

(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.

Compliance Status:

- 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.

Compliance Status:

- Complied, as the project has been already completed and the consent to operate has been issued by Jharkhand State Pollution Control Board.

(xix) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The Project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time,

and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

Compliance Status:

- The site has taken all necessary precautions to avoid accidents, and an action plan has been implemented to ensure accident prevention. The facility has a valid **Onsite Emergency Plan** and conducts **mock drills regularly as per the schedule**. All mitigation measures are being implemented in accordance with the **Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989** (as amended) and the **Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996** (Onsite Emergency Plan attached as **Annexure- 14**)

(xx) **The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard**

Compliance Status:

- The site has initiated multiple measures towards carbon reduction and sequestration. The unit has planned the installation of a solar power plant to increase the share of renewable energy in overall consumption. In addition, the greenbelt development is being continuously enhanced; presently, approximately **35.47%** of the total plant area is under greenbelt, and more than **500 saplings** have been planted during the current year to strengthen the carbon sink capacity.

Further, the plant is upgrading and deploying **energy-efficient machinery** to reduce overall energy demand and move towards achieving **net-zero emissions** in the manufacturing process. For reducing transportation-related emissions, the unit is optimizing inbound and outbound logistics by shifting the movement of goods from road transport to **railway transportation**.



CIN: U74999JH2018PTC011125

ENVIRONMENTAL LABORATORIES & ENGINEERING SERVICES PVT. LTD.

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
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Annexure-1

TEST REPORT

Test Report No.	: ELES/RNC/2025/5885	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005727F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7151
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Na Hypo Stack-1
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed

GENERAL INFORMATION- (Data Provided by Customer)		
1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Na Hypo Stack-1
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 42.0
6	Height of Sampling Port from Ground Level (m)	: 35.0
7	Inner Diameter of Stack at Sampling Point (m)	: 0.25
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS		
1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A

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ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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TEST REPORT

Test Report No.	: ELES/RNC/2025/5885	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005727F		

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Results
Flue Gas Temperature	°C	IS 11255 (Part-3): 2018	33
Barometric Pressure	mmHg	IS 11255 (Part-3): 2018	744
Velocity of Flue Gas	m/sec	IS 11255 (Part-3): 2018	6.46
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part-3): 2018	982
Moisture Percentage	%	IS 11255 (Part-3): 2018	9.9



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



Authorised Signatory
Akash Kumar
Quality Manager

Page 2 of 2

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TEST REPORT

Test Report No. : ELES/RNC/2025/5885	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7151
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Na Hypo Stack-1
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 30.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: Na Hypo Stack-1
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 42.0
6	Height of Sampling Port from Ground Level (m)	: 35.0
7	Inner Diameter of Stack at Sampling Point (m)	: 0.25
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A



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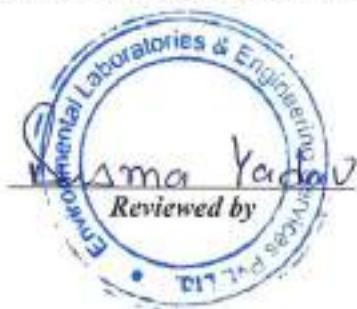
CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No. : ELES/RNC/2025/5885	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Chlorine (as Cl ₂)*	mg/Nm ³	GEL/SOP-1	0.52

Remarks : (*)-Parameters are outsourced to other Lab.



****End of Report****



Authorised Signatory
Akash Kumar
Quality Manager

Page 2 of 2

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TEST REPORT

Test Report No.	: ELES/RNC/2025/5887	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005729F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7153
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: HCL-D
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed

GENERAL INFORMATION- (Data Provided by Customer)		
1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: HCL-D
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 40.0
6	Height of Sampling Port from Ground Level (m)	: 35.0
7	Inner Diameter of Stack at Sampling Point (m)	: 0.15
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS		
1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A

Page 1 of 2

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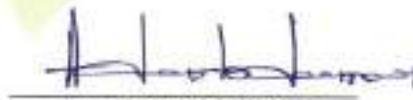
TEST REPORT

Test Report No.	: ELES/RNC/2025/5887	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005729F		

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Results
Flue Gas Temperature	°C	IS 11255 (Part-3): 2018	34
Barometric Pressure	mmHg	IS 11255 (Part-3): 2018	744
Velocity of Flue Gas	m/sec	IS 11255 (Part-3): 2018	4.83
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part-3): 2018	267
Moisture Percentage	%	IS 11255 (Part-3): 2018	8.5



****End of Report****



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Akash Kumar
Quality Manager

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TEST REPORT

Test Report No. : ELES/RNC/2025/5887	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7153
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: HCL-D
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 30.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: HCL-D
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 40.0
6	Height of Sampling Port from Ground Level (m)	: 35.0
7	Inner Diameter of Stack at Sampling Point (m)	: 0.15
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A



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TEST REPORT

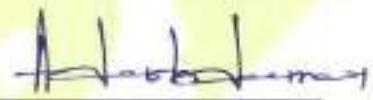
Test Report No. : ELES/RNC/2025/5887	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Hydrogen Chloride (HCl)*	mg/Nm ³	GEL/SOP-01	1.41

Remarks : (*)-Parameters are outsourced to other Lab.



****End of Report****


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Akash Kumar
Quality Manager

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CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No.	: ELES/RNC/2025/5888	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005730F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7154
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: HCL-E
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: HCL-E
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 40.0
6	Height of Sampling Port from Ground Level (m)	: 34.0
7	Inner Diameter of Stack at Sampling Point (m)	: 0.15
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A



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CIN: U74999JH2018PTC011125

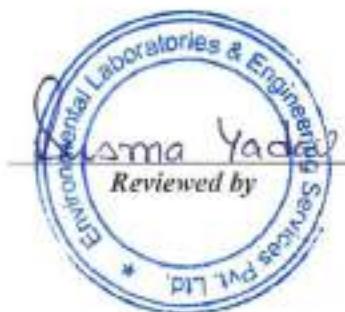
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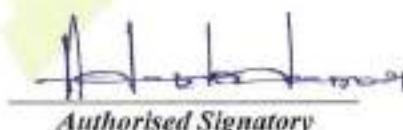
TEST REPORT

Test Report No.	: ELES/RNC/2025/5888	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005730F		

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Results
Flue Gas Temperature	°C	IS 11255 (Part-3): 2018	32
Barometric Pressure	mmHg	IS 11255 (Part-3): 2018	744
Velocity of Flue Gas	m/sec	IS 11255 (Part-3): 2018	4.82
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part-3): 2018	269
Moisture Percentage	%	IS 11255 (Part-3): 2018	8.0



****End of Report****



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TEST REPORT

Test Report No. : ELES/RNC/2025/5888	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7154
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: HCL-E
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: HCL-E
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 40.0
6	Height of Sampling Port from Ground Level (m)	: 34.0
7	Inner Diameter of Stack at Sampling Point (m)	: 0.15
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A



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TEST REPORT

Test Report No. : ELES/RNC/2025/5888	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Hydrogen Chloride (HCl)*	mg/Nm ³	GEL/SOP-01	1.57

Remarks : (*)-Parameters are outsourced to other Lab.



****End of Report****

[Signature]
Authorised Signatory

Akash Kumar
Quality Manager

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CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No.	: ELES/RNC/2025/5889	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005731F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7155
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: HCL- A&B
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed

GENERAL INFORMATION- (Data Provided by Customer)	
1	Particular of the Plant : Caustic Plant
2	Emission Due to : Process Activity
3	Stack Connected to : HCL- A&B
4	Material of Construction of Stack : PVC/FRP
5	Stack Height from Ground Level (m) : 18.5
6	Height of Sampling Port from Ground Level (m) : 1.20
7	Inner Diameter of Stack at Sampling Point (m) : 0.15
8	Shape of the Stack : Circular
9	Working Load of the Stack : N/A
10	Pollution Control System : Wet Scrubber
11	Ladder & Platform : Permanent

FUEL CHARACTERISTICS DETAILS	
1	Type of Fuel Used : N/A
2	Fuel Consumption : N/A
3	Calorific Value of Fuel (Kcal/Kg) : N/A

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CIN: U74999JH2018PTC011125

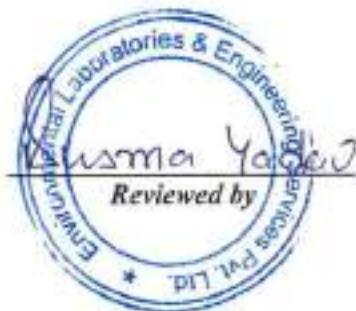
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Phone no.: 0651-2290103
Website : www.elespl.co.in



TEST REPORT

Test Report No. : ELES/RNC/2025/5889	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025
ULR No. : TC135872500005731F	

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Results
Flue Gas Temperature	°C	IS 11255 (Part-3): 2018	35
Barometric Pressure	mmHg	IS 11255 (Part-3): 2018	744
Velocity of Flue Gas	m/sec	IS 11255 (Part-3): 2018	5.18
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part-3): 2018	285
Moisture Percentage	%	IS 11255 (Part-3): 2018	8.4



****End of Report****



Authorised Signatory

Akash Kumar
Quality Manager

Page 2 of 2

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PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D1Z4

CIN: U74999JH2018PTC011125

Email: info@elespl.co.in, eles.ranchi@gmail.com
Phone no.: 0651-2290103
Website : www.elespl.co.in

TEST REPORT

Test Report No.	: ELES/RNC/2025/5889	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7155
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: HCL- A&B
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 30.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Caustic Plant
2	Emission Due to	: Process Activity
3	Stack Connected to	: HCL- A&B
4	Material of Construction of Stack	: PVC/FRP
5	Stack Height from Ground Level (m)	: 18.5
6	Height of Sampling Port from Ground Level (m)	: 1.20
7	Inner Diameter of Stack at Sampling Point (m)	: 0.15
8	Shape of the Stack	: Circular
9	Working Load of the Stack	: N/A
10	Pollution Control System	: Wet Scrubber
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: N/A
2	Fuel Consumption	: N/A
3	Calorific Value of Fuel (Kcal/Kg)	: N/A



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Website: www.elespl.co.in

TEST REPORT

Test Report No. : ELES/RNC/2025/5889	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Hydrogen Chloride (HCl)*	mg/Nm ³	GEL/SOP-01	1.15

Remarks : (*)-Parameters are outsourced to other Lab.



****End of Report****



Authorised Signatory

Akash Kumar
Quality Manager

Page 2 of 2

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Location Wise List of Chlorine Sensor

Cl2 Filling Station:-		
S.No.	Tag No.	Location
1	CL2SNR-01A	CL2 FILLING STATION ,INFRONT OF INDRAJEET SINGH OFFICE
2	CL2SNR-01B	CL2 FILLING STATION, INFRONT OF STORAGE TANK F
3	CL2SNR-01C	CL2 FILLING STATION ,NEAR 250 NM3 COMPRESSOR
4	CL2SNR-01	CL2 FILLING STATION, EMPATY TONNER STORAGE AREA
5	CL2SNR-09	CL2 TONNER AREA , NEAR TONNER DEGASING HEADER
6	CL2SNR-17	CL2 TONNER AREA , PILLAR NO-07 FROM ROAD SIDE
7	CL2SNR-18	CL2 FILLING AREA , PILLAR NO-05 FROM ROAD SIDE
8	CL2SNR-19	CL2 FILLING AREA , NEAR BALANCE NO-06
9	CL2SNR-20	CL2 FILLING AREA , BETWEEN BALANCE NO 7 & 8
10	CL2SNR-21	CL2 FILLING AREA , BETWEEN BALANCE NO 1 & 2
11	CL2SNR-22	CL2 FILLING AREA , BETWEEN BALANCE NO 3 & 4
Cl2 Storage Area :-		
12	CL2SNR-03	CHLORINE STORAGE TANK, BETWEEN CL2 STORAGE TANK 4 & 5
13	CL2SNR-01G	CHLORINE STORAGE TANK , BACK SIDE OF STORAGE TANK F
14	CL2SNR-01D	CHLORINE STORAGE TANK,BACK SIDE OF STORAGE TANK A
15	CL2SNR-01E	CHLORINE STORAGE TANK, NEAR LADDER ADJUSCENT TO STORAGE TANK A
16	CL2SNR-01F	CHLORINE STORAGE TANK, NEAR STORAGE TANK F
VAM Area :-		
17	CL2SNR-25	VAM AREA , NEAR ALCL3 VAPORISER
Brine Section :-		
18	CL2SNR-04	POLISH BRINE, OLD BUILDING
19	CL2SNR-23	NEW PRECOAT AREA , FIRST FLOOR FROM ROAD SIDE
SBP Section :-		
20	CL2SNR-12	SBP GODOWN, NEAR LOADING AREA
21	CL2SNR-13	SBP GODOWN , LEFT SIDE FROM MAIN ENTRY
22	CL2SNR-10	SBP PLANT , BACK OF DRUM NO-01
23	CL2SNR-11	SBP PLANT, BACK OF CL2 TANK
24	CL2SNR-30	SBP PLANT, IN GODOWN -A
25	CL2SNR-29	SBP PLANT, IN GODOWN -B
HCL Furnace Area :-		
26	CL2SNR-01J	HCL-FURNACE-C , TOP FLOOR
27	CL2SNR-01I	HCL-FURNACE-B , TOP FLOOR
28	CL2SNR-28	HCL-FURNACE-A , NEAR PIC602
29	CL2SNR-01H	HCL-FURNACE-A, TOP FLOOR

Process / Cell House Area :-		
30	CL2SNR-A1-1151	CELL HOUSE ,NEAR ELECTROLYSER B SAMPLE POINT
31	CL2SNR- 33	CELL HOUSE , NEAR ELECTROLIZER -E AT GROUND FLOOR
32	CL2SNR- 34	PROCESS BUILDING, NEAR SEAL POT AT FIRST FLOOR
33	CL2SNR- 35	PROCESS BUILDING, NEAR SEAL PH-802 AT GROUND FLOOR
Alcl3 Area :-		
34	CL2SNR-15	ALCL3 OLD REACTOR
35	CL2SNR-14	ALCL3 CYLINDER STORAGE
36	CL2SNR-16	ALCL3 NEW REACTOR
37	CL2SNR-31	ALCL3 NEW REACTOR NO. 11 AT 8 MTR HEIGHT
Sodium Hypo Area :-		
38	CL2SNR-A1-2602	SODIUM HYPO AREA , TOP FLOOR
Evaporation Section :-		
39	CL2SNR-08	EVAPORATION AREA , FIRST FLOOR
40	CL2SNR-02	EVAPORATION PLANT , 2ND FLOOR.
Flaking Section :-		
41	CL2SNR-24	FLAKING PLANT , FIRST FLOOR FROM ROAD SIDE
Cl2 Compressor Room :-		
42	CL2SNR-36	Near PIC-2001 IN COMPRESSOR AREA
43	CL2SNR-37	IN FRONT OF CL2 PLANT OFFICE
44	CL2SNR-38	COMPRESSOR AREA, NEAR FREON COMPRESSOR -A
45	CL2SNR-39	COMPRESSOR AREA, NEAR CL2 COMPRESSOR -E
Cl2 Vaporiser Area :-		
46	CL2SNR- 40	VAPORISER AREA, AT FIRST FLOOR
47	CL2SNR- 41	VAPORISER AREA, NEAR SURGE VESSEL
48	CL2SNR- 42	VAPORISER AREA, NEAR VAPORISER TANK
Cl2 Liquifier Area :-		
49	CL2SNR- 43	LIQUIFIER AREA, IN FRONT OF OLD VAM
50	CL2SNR- 44	LIQUIFIER AREA, NEAR CL2 FILTER AT FIRST FLOOR
Boundary Wall of Plant Area :-		
51	CL2SNR- 45	BOUNDRY WALL NEAR 80 Ton WEIGH BRIDGE
52	CL2SNR-32	AT WTP PLANT
53	CL2SNR-27	AT CAUSTIC STORAGE TANK- 4
54	CL2SNR-26	BOUNDRY WALL IN FRONT OF ALCL3 PLANT
CPP:-		
55	CL2SNR-CT	CPP-1 COOLING TOWER AREA



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Website : www.elespl.co.in



CIN: U74995JH2018PTC011125

TEST REPORT

Test Report No.	: ELES/RNC/2025/5778	Report Release Date	: 27.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005641F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7149
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: CPP Stack-1
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Boiler
2	Emission Due to	: Burning of Coal
3	Stack Connected to	: CPP Stack-1
4	Material of Construction of Duct	: MS
5	Stack Height from Ground Level (m)	: 80
6	Height of Sampling Port from Ground Level (m)	: 5.0
7	Inner Diameter of Duct at Sampling Point (m)	: 1.4 x 1.927
8	Shape of the Duct	: Rectangular
9	Working Load of the Stack	: 74971 Ton/Month
10	Pollution Control System	: ESP
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: Coal
2	Fuel Consumption	: 16681 Ton/Month
3	Calorific Value of Fuel (Kcal/Kg)	: N/A

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CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No. : ELES/RNC/2025/5778	Report Release Date : 27.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025
ULR No. : TC135872500005641F	

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Results
Particulate Matter (PM)	mg/Nm ³	IS 11255(Part-1): 2023	51
Sulphur Di-Oxide (SO ₂)	mg/Nm ³	US EPA 6C: 2017	367
Oxides of Nitrogen (NO _x)	mg/Nm ³	US EPA 7E: 2020	58
Flue Gas Temperature	°C	IS 11255 (Part-3): 2018	128
Barometric Pressure	mmHg	IS 11255 (Part-3): 2018	744
Velocity of Flue Gas	m/sec	IS 11255 (Part-3): 2018	22.10
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part-3): 2018	147534

Reviewed by

Akash Kumar
Quality Manager

****End of Report****

Authorised Signatory

Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg.
Technical Manager

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CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No.	: ELES/RNC/2025/5779	Report Release Date	: 27.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005642F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/SM/7150
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: CPP Stack-2
Plant Status	: Operational	Sampling Date	: 18.09.2025
Period of Analysis	: 22.09.2025 to 26.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Flue Gas
		Sampling Procedure	: ELES/DOC/SMPL/02(A)
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed

GENERAL INFORMATION- (Data Provided by Customer)

1	Particular of the Plant	: Boiler
2	Emission Due to	: Burning of Coal
3	Stack Connected to	: CPP Stack-2
4	Material of Construction of Duct	: MS
5	Stack Height from Ground Level (m)	: 110
6	Height of Sampling Port from Ground Level (m)	: 6.5
7	Inner Diameter of Duct at Sampling Point (m)	: 1.524 x 2.438
8	Shape of the Duct	: Rectangular
9	Working Load of the Stack	: 70244 Ton/Month
10	Pollution Control System	: ESP
11	Ladder & Platform	: Permanent

FUEL CHARACTERISTICS DETAILS

1	Type of Fuel Used	: Coal
2	Fuel Consumption	: 14937 Ton/Month
3	Calorific Value of Fuel (Kcal/Kg)	: N/A



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TEST REPORT

Test Report No. : ELES/RNC/2025/5779	Report Release Date : 27.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025
ULR No. : TC135872500005642F	

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Results
Particulate Matter (PM)	mg/Nm ³	IS 11255(Part-1): 2023	49
Sulphur Di-Oxide (SO ₂)	mg/Nm ³	US EPA 6C: 2017	258
Oxides of Nitrogen (NO _x)	mg/Nm ³	US EPA 7E: 2020	53
Flue Gas Temperature	°C	IS 11255 (Part-3): 2018	122
Barometric Pressure	mmHg	IS 11255 (Part-3): 2018	744
Velocity of Flue Gas	m/sec	IS 11255 (Part-3): 2018	18.16
Quantity of Gas Flow	Nm ³ /hr	IS 11255 (Part-3): 2018	168895

Reviewed by

Akash Kumar
Quality Manager

****End of Report****

Authorised Signatory

Dr. Deependra Kumar Sinha
Ph. D. Environmental Engg.
Technical Manager

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TEST REPORT

Test Report No.	: ELES/RNC/2025/5890	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025

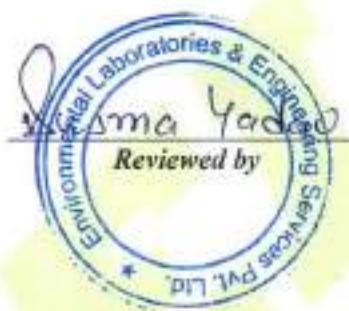
CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/FA/7147
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: New Process Building
Plant Status	: Operational	Sampling Date	: 20.09.2025
Period of Analysis	: 22.09.2025 to 30.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Fugitive Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 29	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 68	4	Weather Condition	: Partly Cloudy

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Chlorine (as Cl ₂)*	mg/m ³	GEL/SOP-01	0.38
Hydrogen Chloride (HCl)*	mg/m ³	GEL/SOP-01	0.14

Remarks: (*) – Parameters are outsourced to other Lab.



****End of Report****

Authorised Signatory
Akash Kumar
Quality Manager



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TEST REPORT

Test Report No.	: ELES/RNC/2025/5891	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025

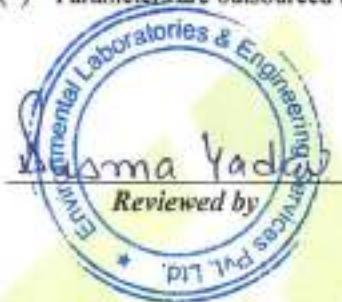
CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/FA/7148
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Old Process Building
Plant Status	: Operational	Sampling Date	: 19.09.2025
Period of Analysis	: 22.09.2025 to 30.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Fugitive Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 28	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 68	4	Weather Condition	: Partly Cloudy

Discipline : Chemical		Group : Atmospheric Pollution	
Parameter	Unit	Test Protocol	Result
Chlorine (as Cl ₂)*	mg/m ³	GEL/SOP-01	0.19
Hydrogen Chloride (HCl)*	mg/m ³	GEL/SOP-01	0.44

Remarks: (*) – Parameters are outsourced to other Lab.



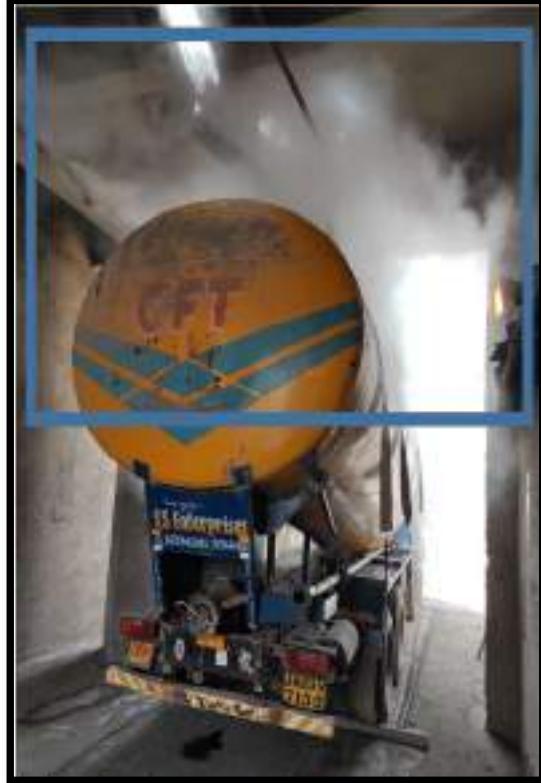
****End of Report****

Authorised Signatory
Akash Kumar
Quality Manager

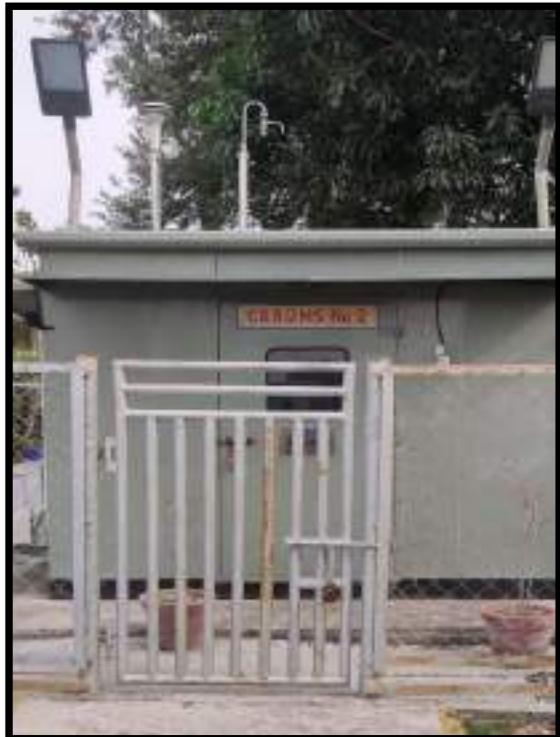
Photograph: ETP (MEE+ATFD Facility),



Photograph: Installed Fly Ash Silo & Dust Separator Systems (i.e. Dry Fog & Sprinkler)



Photographs: Continuous Ambient Air Quality Monitoring Station





Photographs: **Waste Storage Area**





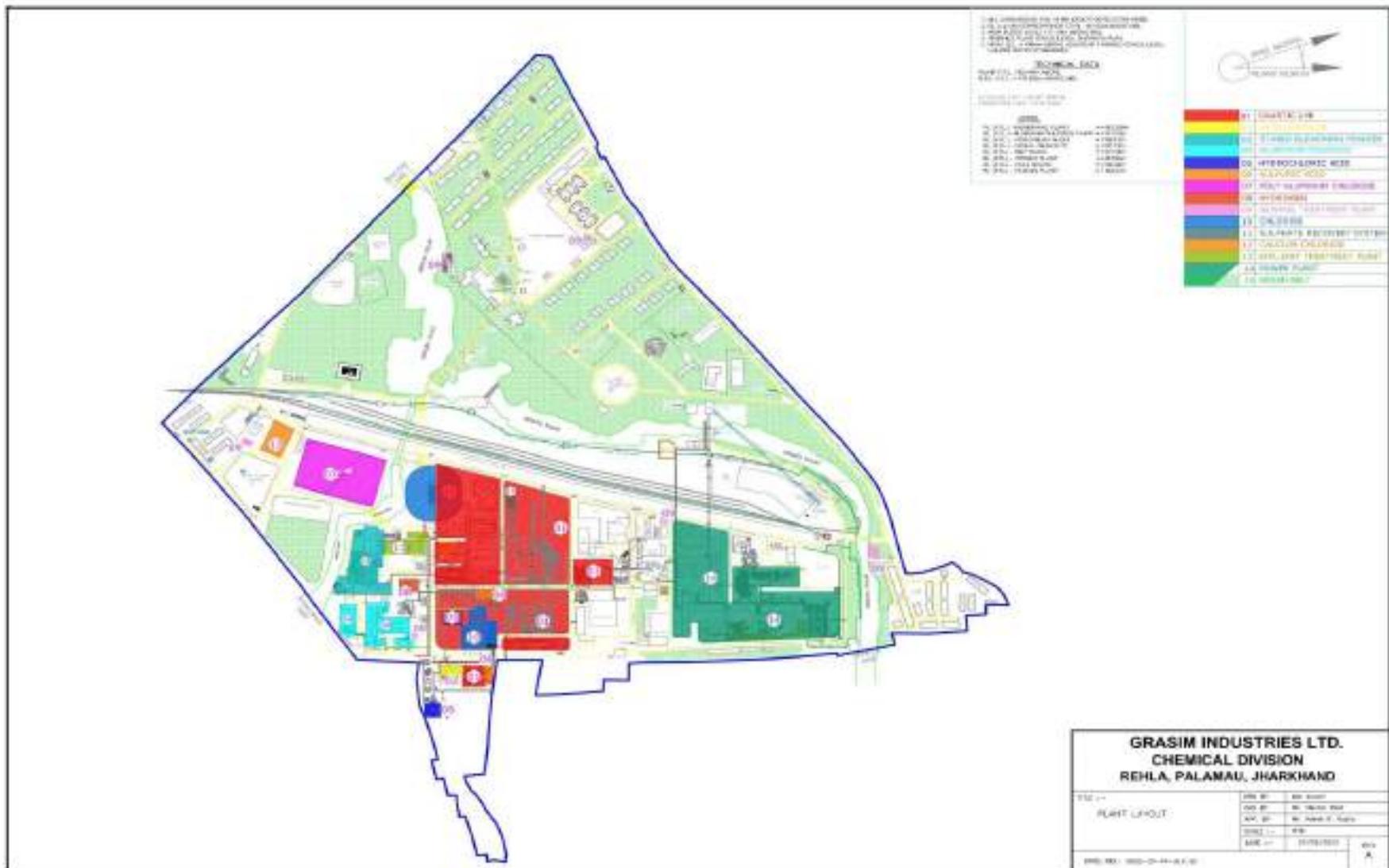
Photographs: **Green Belt**





Green Belt Mapping

Annexure 7



GRASIM INDUSTRIES LIMITED

CHEMICAL DIVISION, REHLA

Hazardous Waste Generation, Disposal & Recycle Details (Apr'25 to Sept'25)

Sl. N.	Waste Type	Category	Generation (MT)	Disposal (MT)	Despatched to
1	Asbestos waste	Sch-1, Cat-15.2	0.00	0.00	CHW-TSDF (AWMPL)
2	Empty Barrels/ Container/ Liners Contaminated with Hazardous Chemicals / Wastes/ C.T.Fills	Sch-1, Cat-33.1	0.00	0.00	CHW-TSDF (AWMPL)
3	Contaminated Cotton Rags or other Cleaning materials	Sch-1, Cat-33.2	0.00	0.00	CHW-TSDF (AWMPL)
4	ETP sludge	Sch-1, Cat- 35.3	130.00	131.48	CHW-TSDF (AWMPL)
5	Fibre Reinforced Plastic Waste (F R P)	Others	0.00	0.00	CHW-TSDF (AWMPL)
6	Insulation Waste (Glass wool)	Others	0.00	0.00	CHW-TSDF (AWMPL)
7	MEE+ATFD WASTE	Others	398.00	381.04	CHW-TSDF (AWMPL)
8	Used Oil	Sch-1, Cat- 5.1	0.00	0.00	Authorised Recycler
9	Used Membrane	Others	0.00	0.00	CHW-TSDF (AWMPL)
10	Spent Resin	Sch-1, Cat-35.2	0.00	0.00	CHW-TSDF (AWMPL)
11	Drocess & Wastes from treatment of Salt sludge	Sch-1, Cat-11.5	0.00	0.00	CHW-TSDF (AWMPL)
12	Brine Sludge (Membrane Cell Plant)	Sch-1, Cat-16.3	1627.00	1502.14	CHW-TSDF (AWMPL)
13	Spent Carbon or filter medium	Sch-1, Cat-36.2	0.00	0.00	CHW-TSDF (AWMPL)
14	Oil & Grease skimming	Sch-1, Cat-35.4	0.00	0.00	CHW-TSDF (AWMPL)



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D124

ENGINEERING SERVICES PVT. LTD.

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Website : www.elespl.co.in



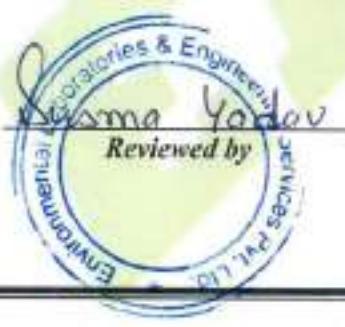
TEST REPORT

Test Report No.	: ELES/RNC/2025/5877	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005719F		

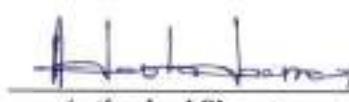
CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/AA/7136
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Hospital Roof Top
Plant Status	: Operational	Sampling Date	: 19.09.2025 to 20.09.2025
Period of Analysis	: 22.09.2025 to 24.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 28	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 71	4	Weather Condition	: Cloudy
5	Longitude	: 83°53'15.21"E	6	Latitude	: 24°13'31.33"N

Discipline : Chemical		Group : Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m³	IS 5182 (Part- 23): 2022	59	100 (24hrs)
Particulate Matter (PM2.5)	µg/m³	IS 5182 (Part- 24): 2019	33	60 (24hrs)
Sulphur Di-Oxide (SO₂)	µg/m³	IS 5182 (Part- 2/Sec1): 2023	7.8	80 (24hrs)
Nitrogen Di-Oxide (NO₂)	µg/m³	IS 5182 (Part- 6): 2022	19.5	80 (24hrs)
Carbon Monoxide (CO)	mg/m³	IS 5182 (Part- 10): 2019 (NDIR Method)	<1.0	2 (8hrs)



****End of Report****



Akash Kumar
Quality Manager

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ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
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ENGINEERING SERVICES PVT. LTD.

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Website : www.elespl.co.in



TEST REPORT

Test Report No.	: ELES/RNC/2025/5878	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005720F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/AA/7137
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Vikram Nagar
Plant Status	: Operational	Sampling Date	: 18.09.2025 to 19.09.2025
Period of Analysis	: 22.09.2025 to 24.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 29	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 72	4	Weather Condition	: Cloudy
5	Longitude	: 83°53'12.87"E	6	Latitude	: 24°13'53.23"N

Discipline : Chemical		Group : Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM ₁₀)	µg/m ³	IS 5182 (Part- 23): 2022	56	100 (24hrs)
Particulate Matter (PM _{2.5})	µg/m ³	IS 5182 (Part- 24): 2019	30	60 (24hrs)
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part- 2/Sec1): 2023	8.1	80 (24hrs)
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part- 6): 2022	14.3	80 (24hrs)
Carbon Monoxide (CO)	mg/m ³	IS 5182 (Part- 10): 2019 (NDIR Method)	<1.0	2 (8hrs)



****End of Report****



Authorised Signatory

Akash Kumar
Quality Manager

Page 1 of 1

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CIN: U74999JH2016PTC011125

TEST REPORT

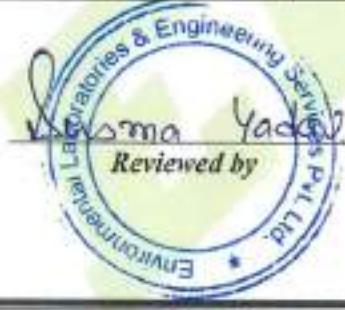
Test Report No.	: ELES/RNC/2025/5879	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005721F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/AA/7138
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Near Temple (Colony)
Plant Status	: Operational	Sampling Date	: 18.09.2025 to 19.09.2025
Period of Analysis	: 22.09.2025 to 24.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 29	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 72	4	Weather Condition	: Cloudy
5	Longitude	: 83°52'57.61"E	6	Latitude	: 24°13'43.11"N

Discipline : Chemical		Group : Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m³	IS 5182 (Part- 23): 2022	54	100 (24hrs)
Particulate Matter (PM2.5)	µg/m³	IS 5182 (Part- 24): 2019	29	60 (24hrs)
Sulphur Di-Oxide (SO₂)	µg/m³	IS 5182 (Part- 2/Sec1): 2023	6.3	80 (24hrs)
Nitrogen Di-Oxide (NO₂)	µg/m³	IS 5182 (Part- 6): 2022	15.9	80 (24hrs)
Carbon Monoxide (CO)	mg/m³	IS 5182 (Part- 10): 2019 (NDIR Method)	<1.0	2 (8hrs)



****End of Report****


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Quality Manager

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PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
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Website : www.elespl.co.in



CIN: U74999JH2018PTC011125

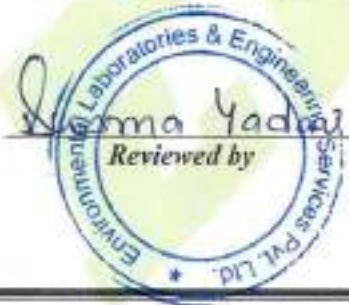
TEST REPORT

Test Report No.	: ELES/RNC/2025/5880	Report Release Date	: 30.09.2025
Service Order No.	: 4400018379	Service Order Date	: 26.05.2025
ULR No.	: TC135872500005722F		

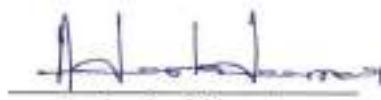
CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: Grasim Industries Ltd. Chemical Division Rehla	Sample Ref. No.	: ELES/RNC/2025/AA/7139
Address	: Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.	Location	: Near Lagoon
Plant Status	: Operational	Sampling Date	: 18.09.2025 to 19.09.2025
Period of Analysis	: 22.09.2025 to 24.09.2025	Sample Received Date	: 22.09.2025
		Type of Sample	: Ambient Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C)	: 29	2	Barometric Pressure (mmHg)	: 744
3	Relative Humidity (%)	: 72	4	Weather Condition	: Cloudy
5	Longitude	: 83°52'52.23"E	6	Latitude	: 24°13'29.64"N

Discipline : Chemical		Group : Atmospheric Pollution		
Parameter	Unit	Test Protocol	Result	Regulatory Limit
Particulate Matter (PM10)	µg/m³	IS 5182 (Part- 23): 2022	69	100 (24hrs)
Particulate Matter (PM2.5)	µg/m³	IS 5182 (Part- 24): 2019	42	60 (24hrs)
Sulphur Di-Oxide (SO₂)	µg/m³	IS 5182 (Part- 2/Sec1): 2023	12.5	80 (24hrs)
Nitrogen Di-Oxide (NO₂)	µg/m³	IS 5182 (Part- 6): 2022	30.7	80 (24hrs)
Carbon Monoxide (CO)	mg/m³	IS 5182 (Part- 10): 2019 (NDIR Method)	1.19	2 (8hrs)



****End of Report****



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Quality Manager

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CIN: U74999JH2018PTC011125

TEST REPORT

Test Report No. : ELES/RNC/2025/5881	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025
ULR No. : TC135872500005723F	

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name : Grasim Industries Ltd.	Chemical Division Rehla	Sample Date : 18.09.2025 to 19.09.2025	
Address : Grasim Industries Ltd. Chemical Division Rehla, Dist- Palamu.		Sampling Received Date : 22.09.2025	Type of Sample : Ambient Noise
Plant Status : Operational		Sampling procedure : ELES/DOC/SMPL/03	Sampling Done By : ELES Pvt. Ltd.
		Period of Analysis : 22.09.2025 to 24.09.2025	

METEOROLOGICAL INFORMATION

1 Average Temperature (°C) : 29	2 Barometric Pressure (mmHg) : 744
3 Relative Humidity (%) : 72	4 Weather Condition : Cloudy

Discipline : Chemical			Group : Atmospheric Pollution				
Location	Unit	Test Protocol	Result				
Near Temple	dB(A)	IS 9989: 2020	Time	L _{Max}	L _{Min}	L _{eq}	Regulatory Limit (Residential Zone)
			Day Time	58.5	42.2	53	55 dB(A) Day Time & 45 dB(A) Night Time
			Night Time	48.7	38.1	41	
Latitude: 24°13'43.11"N	Longitude : 83°52'57.61"E		Time	L _{Max}	L _{Min}	L _{eq}	Regulatory Limit (Silence Zone)
Near Hospital	dB(A)	IS 9989: 2020	Day Time	55.3	41.7	45	50 dB(A) Day Time & 40 dB(A) Night Time
			Night Time	45.4	36.8	38	
Latitude: 24°13'31.33"N	Longitude : 83°53'15.21"E						



ENVIRONMENTAL LABORATORIES &

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TEST REPORT

Test Report No. : ELES/RNC/2025/5881	Report Release Date : 30.09.2025
Service Order No. : 4400018379	Service Order Date : 26.05.2025
ULR No. : TC135872500005723F	

Discipline : Chemical			Group : Atmospheric Pollution					
Location	Unit	Test Protocol	Result				Regulatory Limit (Industrial Zone)	
Near Admin Building	dB(A)	IS 9989: 2020	Time	L _{Max}	L _{Min}	L _{eq}	75 dB(A) Day Time & 70 dB(A) Night Time	
			Day Time	68.2	52.7	60		
			Night Time	57.5	42.8	54		
Near Central Lab	dB(A)	IS 9989: 2020	Time	L _{Max}	L _{Min}	L _{eq}	75 dB(A) Day Time & 70 dB(A) Night Time	
			Day Time	66.3	50.8	59		
			Night Time	53.4	40.1	45		
Latitude: 24°13'29.64"N	Longitude : 83°52'52.23"E							
Latitude: 24°13'53.23"N	Longitude : 83°53'12.87"E							



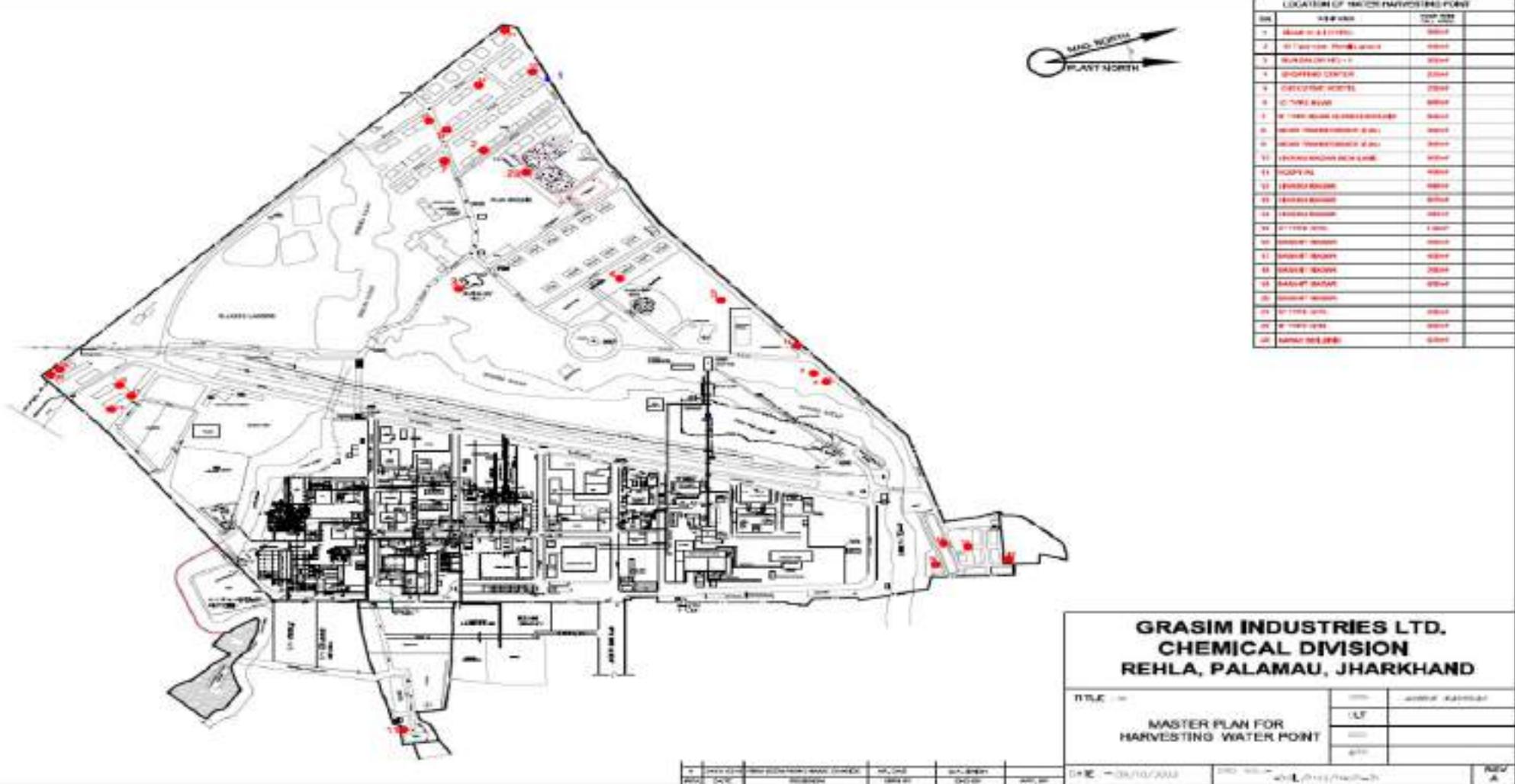
****End of Report****



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Quality Manager

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Grasim Industries Limited
Chemical Division Rehla
CSR/CER Initiatives Undertaken From April '25 to Sep. '25

SI No	Focus Area	Initiative Undertaken	Number of beneficiaries
1	Education	School Education Programme Aditya Bal Vidya Mandir	92
2		Support with mattresses and bedsheets to 3 Kasturba Gandhi Balika Vidyalays	200
3		Special classes and operation of library in 12 Government Primary School	1200
4		Felicitation and merit scholarship to 10th pass girl students	20
5		Bicycle distribution among girl students studying in 11th class	20
6		National Days celebration in schools	110
7		Educational materials distribution to school students	110
8		Uniform and school kit distribution to school students	110
9		Distribution of 2000 national flags under "Har Ghar Tiranga" Campaign	2000
10	Health Care	National Safe Motherhood Day	50
11		Special camp for Women on RTI and STD diseases	76
12		Nutrition kits support to TB patients	60
13		Rural medical camps (3 nos)	96
14		Treatment of patients at Family Welfare Centre	1817
15		Awareness camps on malaria & female related diseases	122
16		Inauguration of open Gym at Garhwa Police Line	2000
17		Inauguration of Basket Ball set up at Palamu Police Line	500
18		Yoga camp organized on occasion of International Yoga Day	320
19		4 no. drinking water points in public places in summer	24000
20		Installation of handpump (1 no.)	200
21		Drinking water supply in 6 villages	10200
22		Mobile Medical Unit (39 nos. Medical camps organised)	1743

23		Maintaining hygiene through bleaching powder	20000
24	Livelihood	Plantation & sapling distribution	110
25		Women entrepreneurship training	10
26		Support to gaushala	250
27		Nursery development project	112
28		Farmers training programme	67
29		Kharif seeds distribution to farmers	139
30	Infrastructure Development	Installation of high mast light (1 no.)	2000
31	Social Empowerment	Senior citizen felicitation proramme	20
32		Support to commonwealth champion	1
33		Breath analysers provided to Garhwa Police for road safety and awareness on alcohol abuse	5000
34		Baseline survey in 10 villages	18454
35		Community Interface Meet	112
36		Supported with furnitures and RO purifier for undertrial juveniles kept in Observation Home, Palamu	50
37		Supported with 5 computers to Garhwa Police for record keeping	Community

Environment Day 2025 Celebration & Tree Plantation at Plant Premises

Environment Day 2025 was celebrated with great enthusiasm at Grasim Industries Ltd., Rehla, with active participation from all employees and contract workers. Saplings were planted across the plant premises to create awareness on environmental conservation.



Environment Day 2025 Celebration & Tree Plantation at Belchampa

As part of an awareness-building initiative, Grasim Industries Ltd., conducted awareness camp At Belchampa area. Saplings were planted all around the site and also distributed to local community members and school students to raise awareness and encourage environmental responsibility.





**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

GRASIM INDUSTRIES LIMITED, CENTRAL LAB

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

GARHWA ROAD, REHALA, BISHRAMPUR, PALAMAU, JHARKHAND, INDIA

in the field of

TESTING

Certificate Number: **TC-11878**

Issue Date: **05/07/2025**

Valid Until: **04/07/2029**

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: **GRASIM INDUSTRIES LIMITED**

Signed for and on behalf of NABL




Anita Rani
Director


N. Venkateswaran
Chief Executive Officer



Ref. No. – GRCD/REH/SAF/CIF/126

Date: 21-05-24

To,

The Chief Inspector of Factory,
Ranchi, Jharkhand.

Subject: Submission of On-site Emergency Preparedness and Response Plan.

Dear Sir,

This has reference to the captioned subject: we are submitting our On-site Emergency Preparedness and Response Plan for your kind perusal to your good office.

A copy of the Emergency Preparedness and Response Plan is enclosed herewith.

With Regards,

*Received
21 May 2024
Hitendra Awasthi
24-5-24*

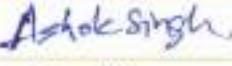
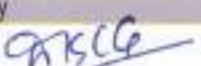
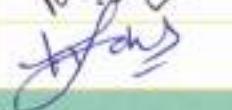
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Emergency Preparedness and Response Plan



ADITYA BIRLA  GRASIM	GRASIM INDUSTRIES LIMITED CHEMICAL DIVISION, REHLA	Document No: EPR-01
		Revision No: 03
	Emergency preparedness And Response Plan	Revision Date: 04-04-24

Grasim Industries Limited, Chemical Division REHLA unit is a Chlor-Alkali Industry and produces Caustic Soda, Chlorine, Hydrochloric acid, Sodium Hypochlorite, Hydrogen, Aluminium Chloride, Stable bleaching Powder and Generation of Power. It is an ISO 9001, ISO 14001, ISO 45001 and SA 8000 certified company. Emergency Preparedness and Response Plan (Disaster Management Plan) has been prepared by the following officials of Grasim Chemicals Division Rehla.

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