

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

Proposal No	IA/MP/IND2/26969/2015
Compliance ID	130702566
Compliance Number(For Tracking)	EC/M/COMPLIANCE/130702566/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	29-11-2025
RO/SRO Name	Shri S Senthil Kumar
RO/SRO Email	jk083.ifs@nic.in
State	MADHYA PRADESH
RO/SRO Office Address	Integrated Regional Offices, Bhopal

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



Ref. No / 321

Date-24.11.2025

To,

The Director,
Ministry of Environment, Forest and Climate Change,
Government of India
Vayu Wing, 3rd floor, Indira Paryavran Bhawan,
Jorbagh Road, New Delhi-110003

Sub: Reg. submission of Half yearly compliance report (April 2025 to Sep- 2025) for the Expansion project of caustic chlorine products from and value-added derivatives along with installation of new chloromethane plant at village-Birlagram, Tehsil-Nagda, District-Ujjain (MP) by M/s. Grasim Industries Ltd. (Chemical Division)

Ref.: EC Letter no. F. No. J-11011/119/2015-IA. II (I) dated 7.1.2020

Dear Sir,

With reference to aforesaid subject & reference matter, we are herewith submitting **Half yearly EC compliance report (April 2025 to Sep- 2025)** for the Expansion project of caustic chlorine products from and value-added derivatives along with installation of new chloromethane plant at village-Birlagram, Tehsil-Nagda, District-Ujjain (MP) by **M/s. Grasim Industries Ltd. (Chemical Division)**

We hope you will find our reply in order

Yours Faithfully,

**M/s. Grasim Industries Ltd.
(Chemical Division)**

A handwritten signature in blue ink, appearing to read "Ashok Kumar Gupta".

Ashok Kumar Gupta

President & Unit Head

**Half Yearly EC Compliance Report
(April, 2025 to September, 2025)**

of

Expansion of Caustic Chlorine Products from and value-added derivatives along with installation of new chloromethane plant

at

Village Birlagram, Tehsil: Nagda, District: Ujjain, Madhya Pradesh

by



M/s Grasim Industries Ltd. (Chemical Division)

EC Letter No. NO. J-11011/119/2015-IA. II(I) dated 07.01.2020

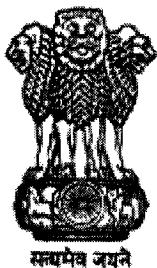
List of Contents

S. No.	Particulars	Page No.
1.	Copy of EC Letter No. J-11011/119/2015 – IA II (I) dated 7 th January, 2020	1
2.	Copy of Sector Specific Conditions for Pharmaceutical/Chemical Industry Sector	8
3.	Point wise reply to the EC Conditions	14

List of Annexures

1	Consent to Operate	30
2	Note on Zero Liquid Discharge	36
3	Pictures of ETP	37
4	Hazardous Waste Authorization Certificate	38
5	Pollution Control Measures for Stack Emissions	47
6	Pollution Control Measures for Fugitive Emissions	48
7	Photographs of Air Pollution Control Device	49
8	Ambient Air Quality Monitoring Reports	50
9	Fugitive Emission Monitoring Reports	62
10	Freshwater Consumption Details	74
11	Photographs of Stormwater Drains	82
12	Hazardous Chemicals Storage Details	83
13	Secured Landfill Consent	84
14	Photographs of Secured Landfill	93
15	Photographs of Green Belt	94
16	Details of CER Activities	96
17	Stack Emission and Point Source Noise Reports	98
18	Photographs of Fire Safety Training and Measures	106
19	Details of Stacks and Photographs of OCEMS/CAAQMS	108
20	Health Safety Training Photos and Medical Reports	110
21	Last EC Compliance Submission Receipt	114
22	3D Modelling Report for Risk Management and Mitigation Measures	115
23	Photographs of Parking Space	116
24	Approval Letter by Chief Wildlife Warden and Cheque Furnished for Wildlife Conservation	117
25	Calibration Certificates	118
26	Photographs of Ambient Air Quality Monitoring Station	129
27	Photographs of DG Set Acoustic Enclosure	130
28	Ambient Noise Monitoring Reports	140
29	Emergency Preparedness/Disaster Management Plan	141
30	Photographs of PPE use	143
31	Environment Policy	144
32	Environment Management Cell Structure	146
33	Environment Audit Report Conclusion Page	147
34	Photographs of Newspaper Clips	148
35	Photographs of Display Board	149

Copy of EC Letter



F. No. J-11011/119/2015-IA-II (I)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Vayu Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110 003

Dated: 7th January, 2020

To,

M/s Grasim Industries Ltd.,
Village- Birlagram, Nagda,
District-Ujjain-456 331 (Madhya Pradesh)

Sub: Expansion of Caustic Chlorine Products from and Value Added Derivatives along with installation of new Chloromethane Plant by M/s Grasim Industries Ltd. (Chemical Division) at Birlagram, Nagda, District Ujjain (Madhya Pradesh) – Environmental Clearance reg.

Sir,

This has reference to your online proposal No.IA/MP/IND2/26969/2015, dated 30th September, 2019 along with the EIA/EMP report and Public hearing proceedings for the above mentioned project.

2. The details of proposed products are as under –

S. No.	Particulars	Existing (TPA)	Additional (TPA)	Total (TPA)
A. Main Products				
1.	Caustic Soda	270000	180000	450000
2.	Poly Aluminum Chloride	27720	137280	165000
3.	Stable Bleaching Powder	29436	25314	54750
4.	Chlorinated Paraffin	27000	18645	45645
5.	Chloromethane	Nil	36000	36000
6.	Chloro Sulphonic Acid	23400	Nil	23400
7.	Calcium Chloride (100 %)	54000	Nil	54000
B. Co-Products and By-Products				
1.	Chlorine	215200	149800	365000
2.	Hydrochloric Acid (100%)	79000	56000	135000
3.	Sodium Hypochlorite (100%)	53520	36480	90000
4.	Hydrogen	6730	4670	11400
5.	Compressed Hydrogen	960	500	1460
6.	Carbon Dioxide (By-product)	23760	Nil	23760

3. The proposed project/activity is listed under category A of item 4(d) 'Chlor - Alkali Industry' and 5(f) 'Synthetic organic chemical industry' in the schedule of Environment Impact Assessment (EIA) Notification, 2006, and requires appraisal/approval at central level by sectoral Expert Appraisal Committee (EAC).

4. The terms of reference for the project was granted on 29th July, 2015 followed by validity extension of ToR vide letter dated 11th December, 2018. Public Hearing for the

proposed expansion project was conducted by State Pollution Control Board on 04th June, 2019. The Public Hearing was chaired by ADM Ujjain. The main issue raised during the public hearing are related to Employment, Water source & Water pollution, Effluent discharge, Gaseous Emission etc.

5. Project Proponent reported that the existing land area is 61.92 ha (619200 m²). No additional land will be required for proposed expansion. Industry has already developed greenbelt in an area of 38% i.e. 23.68 ha (236800 m²) out of total area of the project. Project Proponent reported that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger/Elephant Reserve, and Wildlife Corridor within 10 km distance from the project site. Dam is at a distance of 2.13 km in NW direction, Bangerl Nadi flows at distance of 2.5 km in West direction, Chambal River flows at a distance of 0.6 km in West direction, Khajuri Nala is at 0.5 km in South direction.

6. Project Proponent reported that total water requirement is 6000 m³/day including fresh water requirement of 5400 m³/day proposed to be met from Chambal river. Effluent of 610 m³/day quantity is being/will be treated in Effluent Treatment Plant. The plant is being/will be based on Zero Liquid discharge system. Power requirement after expansion will be 141 MW including existing 80 MW and will be met from Outsource & Madhya Pradesh State Electricity Board (MPSEB). Existing unit has 2 Nos. DG sets of 2000 KVA capacity each, having 30 metre stack height as per CPCB norms used during power failure. Additionally, no DG sets will be required for proposed expansion project. Existing unit has 2 Hydrogen gas fired boilers of 9 TPH capacity each. No new boiler will be installed.

7. Project Proponent reported that the Ambient air quality monitoring was carried out at 8 locations during Winter Season (Dec., 2016 to Feb., 2017) and the baseline data indicates the ranges of concentrations as: PM10 (63.2 to 90.1 $\mu\text{g}/\text{m}^3$), PM2.5 (28.2 to 47.4 $\mu\text{g}/\text{m}^3$), SO₂ (7.3 to 32.9 $\mu\text{g}/\text{m}^3$), NO₂ (12.6 to 30.6 $\mu\text{g}/\text{m}^3$), respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed expansion project would be 0.024 $\mu\text{g}/\text{m}^3$, 0.085 $\mu\text{g}/\text{m}^3$, 0.10 $\mu\text{g}/\text{m}^3$, with respect to PM, Cl₂, HCl. The resultant concentration of PM is within the National Ambient Air Quality Standards (NAAQS).

8. The estimated project cost for expansion of the project is ₹285 Crores. Total capital cost earmarked towards environmental pollution control measures is ₹20 Crores and the recurring cost (operation and maintenance) will be about ₹3.4 Crores/annum. The expenditure towards Corporate Environment Responsibility (CER) for the project would be ₹5 Crores of the project cost as committed by the project proponent. Total employment will be 1545 persons (Regular: 245 + Contractual: 1300) including 128 persons (Regular: 28 + Contractual: 100) after expansion of the project.

9. The project proponent has informed that a case was filed in High court and transferred to NGT (Case no.77/2017 CZ) regarding pollution being caused in the river Chambal due to effluents from the industry. As per NGT order, Grasim Industries Ltd. Chemical Division received MPPCB directions, in compliance of which company has achieved ZLD in March, 2018. As on date no other case is due against the existing project.

10. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking



EAC to M/s Grasim Industries Ltd. (Chemical Division)

Page 2 of 7

that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report and public hearing process. If any part of data/information submitted is found to be false/misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

11. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. Issues raised during the public hearing has been properly addressed in the EIA/EMP report. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of Environmental Clearance (EC).

12. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on **20-22 November, 2019**, wherein the project proponent and their accredited consultant presented the EIA/EMP Report. The Committee found the EIA/EMP report to be satisfactory, complying with the ToR, and **recommended** the project for grant of environmental clearance.

13. The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments there to and hereby accords the environmental clearance under the provisions thereof to the above mentioned proposal of **M/s Grasim Industries Ltd. (Chemical Division) for Expansion of Caustic Chlorine Products from 2,70,000 TPA to 4,50,000 TPA of Caustic soda and Value Added Derivatives along with installation of new Chloromethane Plant (Para 2 of Page 1), located at Birlagram, Nagda, District Ujjain, Madhya Pradesh** subject to compliance of the followings terms and conditions and environmental safeguards mentioned below:-

A. Specific Conditions:

- (i) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, as may be applicable.**
- (ii) Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.**
- (iii) As already committed by the project proponent, ZLD shall be ensured and no waste/treated water shall be discharged outside the premises.**
- (iv) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016; Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.**
- (v) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous**

emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

(vi) Solvent management, if any, shall be carried out as follows company shall undertake waste minimization measures as below:-

- (a) Reactor shall be connected to chilled brine condenser system.
- (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
- (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery.
- (d) Solvents shall be stored in a separate space specified with all safety measures.
- (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
- (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.

(vii) Odour shall be prevented at the source and effective odour management scheme shall be implemented.

(viii) Total fresh water requirement shall not exceed 5400 m³/day proposed to be met from Chambal River. Prior permission in this regard shall be obtained from the concerned regulatory authority.

(ix) Rain water harvesting structures shall be provided to reduce dependency of fresh surface water for industrial purposes. In any case, no ground water shall be used for the plant.

(x) The storm water from the premises shall be collected and discharged through a separate conveyance system.

(xi) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

(xii) ETP sludge, process inorganic & evaporation salt shall be disposed through Captive Secured Landfill.

(xiii) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

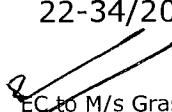
(xiv) The company shall undertake waste minimization measures as below:-

- a. Metering and control of quantities of active ingredients to minimize waste.
- b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- c. Use of automated filling to minimize spillage.
- d. Use of Close Feed system into batch reactors.
- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.



- (xv) The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (xvi) As proposed ₹5 Crores shall be allocated for CER. The CER funds shall be utilized for greenbelt development, skill development and check dam construction, as suggested during public hearing. The CER plan shall be completed within a period of two years or before commissioning of the project.
- (xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xviii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- (xix) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xx) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. For continuous discharge the unit shall install pH, TSS, BOD, COD and flow meter at the ETP outlet.
- (xxi) The energy sources for lighting purposes shall preferably be LED based.
- (xxii) Transportation of raw materials/products should be carefully performed using GPS enabled vehicles.
- (xxiii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. PP shall submit the six monthly compliance report to the Regional Office of the Ministry.
- (xxiv) The project proponent shall conduct 3D modeling for risk management and mitigation measures as the flammable and hazardous chemicals are being stored and processed in the Plant. PP shall conduct a study comprise the details of detectors and its locations and outcome of the study shall be implemented and the compliance shall be submitted six monthly to the Regional Office of the Ministry.
- (xxv) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

14. The project proponent shall strictly comply the sector specific conditions as mentioned in the Ministry's Office Memorandum No. 22-34/2018-IA.III, dated 9th August, 2018. The said OM is available at the Ministry's website (PARIVESH portal i.e. www.parivesh.nic.in). The grant of Environmental Clearance is further subject to compliance of generic conditions as mentioned in the Ministry's Office Memorandum No. 22-34/2018-IA.III, dated 9th August, 2018.



15. The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest & Climate Change, its regional office, Central Pollution Control Board and State Pollution Control Board.

16. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

17. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

18. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

19. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

20. The above conditions will be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974; Air (Prevention & Control of Pollution) Act, 1981; Environment (Protection) Act, 1986; Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Madhya Pradesh/Hon'ble NGT and any other Court of Law relating to the subject matter.

21. This issues with the approval of the competent authority.


(Dr. R. B. Lal)

Scientist 'E'/Additional Director

(डा. आर. बी. लाल)

(Dr. R. B. LAL)

वैज्ञानिक 'E'/Scientist 'E'

पर्यावरण, यन एवं जलवायु परिवर्तन मंत्रालय

भारत सरकार, नई दिल्ली

Govt. of India, New Delhi

Copy to: -

1. Principal Secretary, Environment, Forest and Climate Change Department, Govt. of Madhya Pradesh.
2. The Principal Chief Conservator of Forests (PCCF), Satpuda Bhawan, Bhopal, Madhya Pradesh.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32.
4. The Chairman, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462 016, Madhya Pradesh.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 3.
6. Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Man Singh Road,

New Delhi-110011.

7. District Collector, Ujjain, Madhya Pradesh.
8. Guard File/ Record File/ Monitoring File/ Website of MoEF&CC


(Dr. R. B. Lal)
Scientist 'E'/Additional Director

Copy of Sector Specific Conditions

ANNEXURE - XX

Standard EC Conditions for Pharmaceutical/Chemical Industry sector

(applicable to item S.N. 4(d) - Chlor-alkali industry; 4(e) - Soda ash industry; 5(b) -Pesticides industry and Pesticides specific intermediates; 5(f) - Synthetic organic chemicals industry {dyes & dye intermediates, bulk drugs and intermediates & synthetic rubbers etc} and 5(h) - Integrated paint industry)

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-1 species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.

- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

III. Water quality monitoring and preservation

- i. The project proponent shall provide on line continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

- vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

IV. Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- ii. 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.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

- i. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

- i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- iii. The company shall undertake waste minimization measures as below:-
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

VIII. Safety, Public hearing and Human health issues

- ii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iv. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- v. Training shall be imparted to all employees on safety and health aspects of chemicals handling. 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.
- vi. 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.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other

purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent 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, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Point-wise Compliance of EC Conditions

Point wise compliance of conditions stipulated in Environmental Clearance is given as under:

S. No.	EC CONDITION	COMPLIANCE STATUS
A.	Specific Condition	
(i)	<p>This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, as may be applicable.</p>	
(ii)	<p>Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution control Board.</p>	
(iii)	<p>As already committed by the project proponent, ZLD shall be ensured and no waste/treated water shall be discharged outside the premises.</p>	
(iv)	<p>Necessary authorization required under the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provision contained in the Rules shall be strictly adhered to.</p>	

S. No.	EC CONDITION	COMPLIANCE STATUS
(v)	<p>To control source and the fugitive emission, suitable pollution control devices shall be installed to meet the prescribed norms and/ or the NAAQS.</p> <p>The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.</p>	<p>All necessary measures have been implemented to minimize source and fugitive emissions and the summary is attached as Annexure 5 and 6 respectively. The photograph of the air pollution control device installed has been provided in Annexure 7. Regular monitoring of both ambient air quality and fugitive dust emissions is carried out and the quarterly monitoring results are enclosed as Annexure 8 and Annexure 9.</p> <p>The company has installed stacks as per CPCB/SPCB guidelines.</p>
(vi)	<p>Solvent management, if any, shall be carried out as follows company shall undertake waste minimization measures as below: -</p> <p>(a) Reactor shall be connected to chilled brine condenser system.</p> <p>(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>(c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery.</p> <p>(d) Solvents shall be stored in a separate space specified with all safety measures.</p> <p>(e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>(f) Entire plant shall be flame-proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p>	No solvent is being used in any of the processes.
(vii)	Odour shall be prevented at the source and effective Odour management scheme shall be implemented.	Odour prevention measures have been implemented at the source, and an effective Odour management plan is in place to ensure compliance.
(viii)	Total fresh water requirement shall not exceed 5400 m ³ /day proposed to be met from Chambal River. Prior permission in this regard shall be obtained from the concerned regulatory authority.	The company agrees that the fresh water requirement shall not exceed 5400 m ³ /day. The water consumption details are attached as Annexure 10 . Water withdrawal permission has been issued by the Water Resources Department, Ujjain, Madhya Pradesh.

S. No.	EC CONDITION	COMPLIANCE STATUS
(ix)	Rain water harvesting structures shall be provided to reduce dependency of fresh surface water for industrial purposes. In any case, no ground water shall be used for the plant.	A total of six rainwater harvesting structures have been constructed within the staff colony and nearby areas. It is ensured that no groundwater is being used for any process of the plant.
(x)	The storm water from the premises shall be collected and discharged through a separate conveyance system.	Separate stormwater drains have been built to collect and discharge stormwater safely, ensuring no cross-contamination with other water streams. The pictures are attached in Annexure 11 .
(xi)	Hazardous chemicals shall be stored in tanks, tanks farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.	Being complied. The details of Hazardous chemicals storage are given in Annexure 12 .
(xii)	ETP Sludge, process inorganic & evaporation salt shall be disposed through Captive Secured Land fill.	The unit has received consent for the secured landfill site, which was issued under Consent No. AWH-59528, Outward No. 119560, dated 13.01.2024 valid till 30.11.2028. A copy of the same is enclosed as Annexure 13 . The photographs of the secured landfill site are provided in Annexure 14 .
(xiii)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA)' 1989.	The company is complying with the rules and guidelines at all operational levels.
(xiv)	The company shall undertake waste minimization measures as below: - a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Metering and control of quantities of active ingredients to minimize waste.	The following waste minimization measures have been implemented at the facility: <ul style="list-style-type: none">▪ All raw materials are fed into the system through a metering and control mechanism to minimize wastage. The chlorine feed is precisely regulated to prevent over-dosing.▪ Hydrochloric acid is being used as raw material. The water scrubbers are employed to capture and absorb HCl vapors generated during production.

S. No.	EC CONDITION	COMPLIANCE STATUS
	<p>d) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>e) Use of automated filling to minimize spillage.</p> <p>f) Use of closed feed system into batch reactors.</p> <p>g) Venting equipment through vapor recovery system.</p> <p>h) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.</p>	<ul style="list-style-type: none"> Automated systems have been incorporated throughout the processes to minimize manual handling and prevent spillage. Closed feed systems have been adopted across the facility to reduce exposure and minimize material losses. A vapor recovery system has been installed, wherein paraffin vapors generated from the CP plant are efficiently recovered using condensers. High-pressure jet cleaning is routinely carried out in the ZLD plant, particularly for calandria cleaning, which helps in reducing wastewater generation.
(xv)	The green belt of at least 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall as per the CPCB guidelines in consultation with the State Forest Department.	<p>A well-established greenbelt covering 22.52 hectares, which constitutes approximately 38.5% of the total Grasim complex area (58.5 acres), has been developed and is actively maintained through regular planting and upkeep activities. The greenbelt features a carefully selected mix of pollution-tolerant, native, ornamental, and special-purpose tree species aimed at improving both environmental quality and aesthetic appeal.</p> <p>The details and pictures of the plantation are attached as Annexure 15.</p>
(xvi)	<p>As proposed Rs. ₹5 Crores shall be allocated for CER. The CER funds shall be utilized for greenbelt development, skill development and check dam construction, as suggested during public hearing.</p> <p>The CER plan shall be completed within a period of two years or before commissioning of the project.</p>	<p>As per the proposal, the Chloromethane project has not yet been installed by Grasim Industries Ltd. (Chemical Division), Nagda. However, the expenditure incurred on CER activities by the company and the related pictures from April 2025 to September 2025 are provided in Annexure 16.</p> <p>The CER plan has been completed.</p>
(xvii)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Two DG sets, each with a capacity of 2,000 KVA, have been installed in compliance with the regulations. The DG set stack emission results and point source noise monitoring reports are enclosed in Annexure 17 .

S. No.	EC CONDITION	COMPLIANCE STATUS
(xviii)	The unit shall make the arrangement for protection of possible fire hazardous during manufacturing process in material handling. Firefighting system shall be as per the norms.	<p>The industry has implemented adequate measures to prevent and control potential fire hazards during manufacturing and material handling operations. Key precautions include:</p> <ul style="list-style-type: none"> • Flame arrestors installed at various critical points within the system. • A sufficient number of fire extinguishers (DCP and CO₂ types) and fire buckets strategically placed across the plant. In addition, a fire tender of adequate capacity is maintained by the Fire Fighting Department. • Fire hydrant points located throughout the plant premises. • Regular training of employees in firefighting procedures to ensure preparedness. <p>The photographs of the firefighting measures and training are attached in Annexure 18.</p>
(xix)	Storage of Raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	All raw materials are stored in designated, covered godowns to ensure proper protection and safety. The storage details of the raw materials are provided in Annexure 12 .
(xx)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. For continuous discharge the unit shall install pH, TSS, BOD, COD and flow meter at the ETP outlet.	<p>The unit is duly complying with the online CEMS and ZLD requirements.</p> <p>The details of the stacks and photographs showing the installed online monitoring systems are provided in Annexure 19.</p>
(xxi)	The energy source for lighting purposes shall preferably be LED based.	The energy source for lighting purposes is LED based both for street light and in plant premises.
(xxii)	Transportation of Hazardous materials /products should be carefully performed using GPS enabled vehicles.	The industry is taking care of all the safety measures during transportation of hazardous material/products.

S. No.	EC CONDITION	COMPLIANCE STATUS
(xxiii)	<p>Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per the Factories Act.</p> <p>PP shall submit the six-monthly compliance report to the Regional Office of the Ministry.</p>	<p>To promote occupational health and safety, the company is committed to:</p> <ul style="list-style-type: none"> • Continuously developing and maintaining safe work practices. • Identifying and mitigating operational and occupational hazards. • Creating awareness on preventive health and safety measures. <p>Form 32 (Medical Fitness Certificate) is enclosed as Annexure 20 for reference.</p> <p>Complying. The submission receipt for EC Compliance Report from October 2024 to March 2025 is attached as Annexure 21.</p>
(xxiv)	<p>The project proponent shall conduct 3D modeling for risk management and mitigation measures as the flammable and hazardous chemicals are being stored and processed in the Plant. PP shall conduct a study comprise the details of detectors and its locations and outcome of the study shall be implemented and the compliance shall be submitted six monthly to the Regional Office of the Ministry.</p>	<p>The assessment was conducted and all recommendations and corrective actions arising from it have been fully implemented. The report details are attached as Annexure 22.</p> <p>Compliance reports are being submitted every six months and will continue to be submitted as required.</p>
(xxv)	<p>There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.</p>	<p>Separate parking space has been provided inside the plant premises.</p> <p>The photographs of parking space are given in Annexure 23.</p>
14.	<p>The project proponent shall strictly comply the sector specific conditions as mentioned in the Ministry's Office Memorandum No. 22-34/2018-IA.III, dated 9th August, 2018. The said OM is available at the Ministry's website (PARIVESH portal i.e., www.parivesh.nic.in). The grant of Environmental Clearance is further subject to compliance of generic conditions as mentioned in the Ministry' Office Memorandum No. 22-34/2018- IA.III, dated 9th August, 2018.</p>	<p>The compliance to the sector specific conditions has been duly addressed in this report.</p>

S. No.	EC CONDITION	COMPLIANCE STATUS
15.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest & Climate Change, its regional office, Central Pollution Control Board and State Pollution Control Board.	The six-monthly compliance report is being submitted to the concerned offices. A copy of the receipt for the submission of the last six-monthly EC compliance report is attached as Annexure 21 .
16.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/ Information/ monitoring reports.	The company agrees to extend full cooperation.
17.	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	The company agrees to the EC condition.
18.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	The company agrees that concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.
19.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	The company agrees that any appeal against this environmental clearance shall lie with the National Green Tribunal as stated in the EC condition.

S. No.	EC CONDITION	COMPLIANCE STATUS
20.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974; Air (Prevention & Control of Pollution) Act, 1981; Environment (Protection) Act, 1986; Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble NGT and any other Court of Law relating to the subject matter.	The company agrees to the EC condition.
21.	This issues with the approval of the competent authority.	The company has duly noted the EC condition.
Sector specific conditions as per MOEFCC OM 09.08.2018		
I	Statutory compliance	
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	This condition is not applicable to the project, as it does not involve any diversion of forest land for non-forest purposes.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	This condition is not applicable to the project, as it does not fall within or impact any wildlife-protected area requiring clearance from the National Board for Wildlife.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-1 species in the study area).	A Site-Specific Conservation Plan and Wildlife Management Plan has been approved by the Chief Wildlife Warden. A copy of approval letter and the cheque furnished for the same purpose is enclosed as Annexure 24 .

S. No.	EC CONDITION	COMPLIANCE STATUS
iv.	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.	Necessary Consents to Operate have been obtained. A copy of the same is enclosed as Annexure 1 .
v.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Hazardous Waste Authorization has been obtained from MP Pollution Control Board vide consent No. AWH-55153 dated 01/02/2022. A copy of the same is enclosed as Annexure 4 .
vi.	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	The company is duly complying with all the rules and guidelines.
II. Air Quality Monitoring and Preservation		
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	An online monitoring system has been successfully implemented with connectivity to both MPPCB and CPCB servers. The details of the stacks and photographs of the online monitoring system are provided in Annexure 19 . Calibration has been successfully completed and the reports are attached as Annexure 25 .
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Fugitive emissions are being monitored and the monitoring results are provided in Annexure 9 .
iii.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	The company has installed the required number of AAQM stations. The photographs of the air quality monitoring stations are provided in Annexure 26 and the quarterly third-party monitoring results for Ambient Air Quality results are attached as Annexure 8 .

S. No.	EC CONDITION	COMPLIANCE STATUS
iv.	<p>To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS.</p> <p>Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable).</p> <p>The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.</p>	<p>To comply with the condition, appropriate pollution control devices such as scrubbers have been installed.</p> <p>The condition is not applicable, as the unit does not utilize coal-fired boilers. The process operates entirely on alternative energy sources.</p> <p>Stacks of adequate height as per the guidelines have been installed. The stack emission monitoring results are enclosed as Annexure 17.</p>
v.	Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	The company is complying with the condition. The storage details are provided in Annexure 12 .
vi.	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.	The company is following the standards.
vii.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.	The company is complying with the condition. AAQM Reports are attached as Annexure 8 .
III	Water quality Monitoring and Preservation	
i.	The project proponent shall provide online continuous monitoring of effluent; the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).	The company is complying with the condition. A detailed note on ZLD is attached as Annexure 2 .
ii.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).	The company is complying with the condition.
iii.	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	The plant is operating on ZLD; hence no such effluent is discharged outside the plant.

S. No.	EC CONDITION	COMPLIANCE STATUS
iv.	<p>Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee.</p> <p>Prior permission shall be obtained from the concerned regulatory authority/ CGWA in this regard.</p>	As of now the average fresh water consumption is approximately 2672 KLD. The details are attached as Annexure 10 . Water withdrawal permission has been issued by the Water Resources Department, Ujjain, Madhya Pradesh.
v.	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	Separate stormwater drains are being used. The pictures of the stormwater drains are provided in Annexure 11 .
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Rainwater harvesting systems have been implemented across the area to recharge groundwater and utilize the collected rainwater for plant operations.
vii.	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	The DG sets have been equipped with suitable air pollution control devices. The stack emission reports are attached as Annexure 17 .
IV	Noise monitoring and prevention	
i.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Acoustic enclosure has been provided to DG set. The photographs are attached as Annexure 27 .
ii.	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 company is complying with the condition. Noise control measures like acoustic hoods, silencers, enclosures etc. on all sources of noise generation in the industry have been provided.
iii.	The ambient noise levels should conform to the standards prescribed under EPA Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Ambient noise levels are being monitored regularly and the results of quarterly noise monitoring for different locations are attached as Annexure 28 .
V	Energy conservation measures	
i.	The energy sources for lighting purposes shall preferably be LED based.	The company is using LED based lights for street light and lighting in plant premises.
VI	Waste Management	
i.	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	<p>The company is in compliance with the condition.</p> <p>The details of Hazardous chemicals storage are given in Annexure 12.</p>

S. No.	EC CONDITION	COMPLIANCE STATUS
ii.	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Hazardous waste authorization is being obtained from MPPCB and waste disposed as per prescribed guidelines. The photographs of the secured landfill site for waste disposal are provided in Annexure 14 .
iii.	The company shall undertake waste minimization measures as below: a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of Close Feed system into batch reactors. e) Venting equipment through vapour recovery system. f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	The industry has taken following waste minimization measures: a) All the raw materials are fed in the system through metering system to minimize the waste. Chlorine feed is controlled and no excess chlorine is fed. b) Hydrochloric acid is being used as raw material. Water Scrubber are used for absorption of HCl vapours in water is used in production of HCl. c) The automated system has been implemented in all the processes. d) The closed feed system has been implemented in all the processes. e) Vapor recovery system is installed; Paraffin vapour is being recovered in CP plant using condensers. f) High Pressure Jet cleaning practice is being adopted in ZLD plant to clean calendria.
VII	Greenbelt	
i.	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Regular plantation activities have been done in the Grasim complex. The list of plant species developed in the greenbelt has been provided along with the photographs of the plantation in the complex in Annexure 15 .
VIII	Safety, Public hearing and Safety issues	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	The Emergency preparedness plan and Disaster Management Plan is being implemented in the Grasim Industry Limited. A copy is attached as Annexure 29 .

S. No.	EC CONDITION	COMPLIANCE STATUS
ii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	All the necessary arrangements are detailed in point no. (xviii) of the specific conditions. The photographs of the firefighting measures and training are attached in Annexure 18 .
iii.	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPEs are being provided. Photographs are attached as Annexure 30 .
iv.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. 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.	The company is in compliance with the condition. The pictures of the training sessions and the fitness certificate (Form-32) are attached as Annexure 20 .
v.	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Temporary housing with necessary facilities was provided on-site during the construction phase.
vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular health check-ups are being conducted. Form 32 (Medical Fitness Certificate) is enclosed as Annexure 20 for reference.
vii.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, & no parking to be allowed outside on public places.	Proper space is provided for parking. The photographs of parking space are given in Annexure 23 .
IX	Corporate Environmental Responsibility	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.111 dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	The company is complying with all the provisions.

S. No.	EC CONDITION	COMPLIANCE STATUS
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	The company has a well laid down environmental policy duly approve by the Board of Directors. A copy of the Environment Policy is attached as Annexure 31 .
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	The EC condition is being complied with. The Hierarchy of EMC is given in Annexure 32 .
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	The company is in compliance with the condition.
v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	The recent third-party environmental audit was conducted by JM EnviroNet Pvt. Ltd, in June 2024. The conclusion report of JM EnviroNet Pvt. Ltd Audit is attached as Annexure 33 .
X	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Grasim Industry Limited has advertised in local newspaper regarding the receipt of EC from MoEF&CC. The copy of newspaper advertisement is enclosed as Annexure 34 . The copy of EC has been uploaded on the Company's website. (www.grasim.com)

S. No.	EC CONDITION	COMPLIANCE STATUS
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copies were sent to the relevant offices.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	The company is uploading the status of compliance of the stipulated environment clearance conditions as per the EC condition.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	The display board showing criteria pollutants level is installed at the convenient location for disclosure to the public, and also put on the company's website. The photograph of the same is shown in Annexure 35 .
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	The submission receipt for EC Compliance Report from October 2024 to March 2025 is attached as Annexure 21 .
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	The last Environmental Statement Report for FY 2024-25 has been submitted and is available on the company's website.
vii.	The project proponent 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, commencing the land development work and start of production operation by the project.	The company has duly informed the relevant authorities.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	The company is strictly adhering to all the stipulations.
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	All the commitments and recommendations are being strictly adhered to.

S. No.	EC CONDITION	COMPLIANCE STATUS
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	The company agrees that no further expansion or modifications in the plant shall be carried out without prior approval.
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	The company agrees to the EC condition.
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	The company agrees to the EC condition that clearance may be suspended if any of the above conditions is not satisfactory.
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	The company agrees to the EC condition.
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	The company agrees to extend full cooperation.
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	The company agrees to the EC condition.
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	The company agrees that any appeal against this EC shall lie with the National Green Tribunal as stated in the EC condition.

Annexure 1

Consent to Operate



Consent Order

RED-LARGE

CCA-Renewal

PCB ID: 25471

To,

The Occupier,

Outward No: 121678, 12/11/2024 M/s. Orasim Industries Ltd, (Chemical Division),

Consent No: AW-61343

Survey No.-22/1, Birlagram Nagda, Industrial Area Mehatwas,
Tal : Nagda, Dist : Ujjain (M.P.)- 456331

Subject: Grant of Renewal of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your Application Receipt No. 1397319 Dt. 18/09/2024 and last communication received on Dt. 23/10/2024

With reference to your above application for Renewal of consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/01/2027**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Survey No.-22/1, Birlagram Nagda, Industrial Area Mehatwas, Tal : Nagda, Dist : Ujjain (M.P.)- 456331
Latitude : 23.4408 Longitude : 75.4091
- b. The capital investment: Rs. 1032.35 Crs
- c. Product & Production Capacity:

S. No.	Product	CCA Qty / year
1.	Caustic Soda Lye	3,00,000.0 M.T
2.	Chlorine	2,39,111.0 M.T
3.	Hydrogen	7480.0 M.T
4.	Sodium Hypo	59,470.0 M.T
5.	Hydrochloric Acid	87,800.0 M.T
6.	Compressed Hydrogen	1070.0 M.T
7.	Stable Bleaching Powder	43800.0 M.T
8.	Poly Aluminium Chloride	36,500.0 M.T
9.	Chloro Sulphonic Acid	23,400.0 M.T
10.	Chlorinated Paraffin Wax	27,000.0 M.T
11.	Calcium Chloride	54,000.0 M.T
12.	Carbon Di Oxide	23,760.0 M.T
13.	DG – Set (Electricity Generation)	2X 2000KVA

Note :-

- (1) For any change in above industry shall obtain fresh consent from the board.
- (2) This consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.
- (3) The hydrochloric acid generated from air pollution control arrangement shall be treated as hazardous waste and same shall be handled and transported as per category 33.1 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and need to obtain permission under Rule 9 even used or treated within the plant.

The Validity of the consent is up to **31/01/2027** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act



Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 12/11/2024 02:56:27 PM

By the order of Chairman, MPPCB

ACHYUT ANAND MISHRA
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 85NFW38WQO

CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent of the unit shall not exceed **433.0 KL/day**, and the daily quantity of sewage of the unit shall not exceed **60.0 KL/day**.

2. Trade Effluent Treatment:-

The applicant shall operate comprehensive effluent treatment system including ETP, RO MEE & Dryer to remain Zero Liquid Discharge (ZLD) and in case of accidental discharge the waste shall be treated properly to achieve following standards

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 notified by MPPCB from time to time shall be applicable

3. Sewage Treatment :-

The applicant shall provide comprehensive sewage treatment system and maintain the same properly to achieve following standards-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform (MPN/100ml)	Not exceed	1000

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence **zero discharge condition** shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in KLD)	WC : 3293.0	WWG 493.0	Water Source
1	Cooling Water	1510.0	345.0	Local Body
2	Domestic Purpose	93.0	60.0	Local Body
3	Manufacturing Process	1690.0	88.0	Local Body

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

10. Recording of Monitoring Activities & Results-

- The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as

Consent No:AW-31343

follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report online to the Board.

12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

14. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

16. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

18. In case of any discharge found outside of unit premises the unit may be liable to pay environmental compensation as per NGT orders O.A. no 593/2017 dated 22.02.2021 and the industry shall be punishable or court case may be filed by the Board under provisions of the Water (Prevention & Control of Pollution) Act, 1974.

Additional Water condition:-

1. The industry shall take all the effluent through closed conduit to effluent treatment plant and ZLD system and maintain ZLD.
2. Domestic sewage shall be treated in STP up to the prescribed standards and shall be recycled/reused within the plant in process, cooling, gardening etc to remain ZLD unit.
3. The industry shall operate and maintain wastewater flow meter at each unit and inlet of ETP to ensure complete collection of wastewater for treatment.
4. The industry shall operate and maintain CEQMS at inlet of ETP & MEE to monitor TDS, Flow, Chlorides, pH, COD etc and display the same in public domain through web based realtime display Board.
5. The industry shall comply with the industry specific standards notified by the MoEF&CC.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height (m)	Fuel	Control equipment to be installed	Emission standard (mg/NM ³)	CEMS
Caustic unit-I	5.5 m ³ /Hr	32	---	Alkali Scrubber	Chlorine-15	
	2 m ³ /Hr	34	---	Water Scrubber	HCl mist-35	
	2 m ³ /Hr	34	---	Water Scrubber	HCl mist-35	
Caustic Unit-II	0.5m ³ /Hr	34	---	Alkali Scrubber	Chlorine-15	
	1 m ³ /Hr	34	---	Water Scrubber	HCl mist-35	
	1 m ³ /Hr	34	---	Water Scrubber	HCl mist-35	
Stable bleaching Powder (De-dusting unit)	2 m ³ /hr	30	---	Bag Filter, Cyclone ,Dust Collector, Gravity Settling Chamber, Hood Cover,	PM-50, Cl ₂ -15	Online real- time emission monitoring systems to be maintained and connected to MPPCB, ESC, Bhopal
	2 m ³ /hr	30	---	Bag Filter, Cyclone ,Dust Collector, Gravity Settling Chamber, Hood Cover,	PM-50, Cl ₂ -15	
PAC Liquid	3.5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
PAC Dryer-I	6 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
PAC Dryer-II	5.5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
Chloro sulphonic Acid	1.5 m ³ /hr	30	---	H ₂ SO ₄ scrubber	SO ₃ -50	
	1.5 m ³ /hr	30	---	Water Scrubber	HCl Mist-35,PM-50	
CPW Plant	5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
				Alkali Scrubber	Cl ₂ -15	
Calcium Chloride Plant	5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
D.G. Sets	2 x 2000 KVA	30	Diesel	Acoustic enclosure, Muffler	As per CPCB/MoEFCC	

2. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 $\mu\text{g}/\text{m}^3$ (PM10 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 $\mu\text{g}/\text{m}^3$ (PM2.5 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

8. Industry shall take effective steps for extensive tree plantation preferably of the local tree species within or around the industry/unit premises for general improvement of environmental conditions and as stated in below.

9. In case of emission found exceeding prescribed standards, the unit may be liable to pay environmental compensation as per NGT orders O.A. no 593/2017 dated 22.02.2021 and the industry shall be punishable or court case may be filed by the Board under provisions of the Air (Prevention & Control of Pollution) Act, 1981.

Additional Air condition:-

- Online real-time emission monitoring systems shall be installed, operated and maintained at all emission points and shall remain connected to MPPCB, ESC, Bhopal all the time. For any break down, immediate intimation shall be sent.
- The industry shall install adequate numbers of the HCl mist & Chlorine detection sensors within the plant premises and the same shall be connected to the public display system.

Consent No:AW -3343

3. The industry shall submit the sources emission monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
STP Sludge	4.167 MT	The materials to be sold to the authorized and consented actual users and the intimation of each dispatch shall be given to the Board
Food Waste	0.833 MT	
Glass Waste	0.167 MT	
PVC Frills Cooling Tower	0.167 MT	
Paper wastes, Waste Carton, Discarded Poster, Carpet	0.833 MT	
Wooden Waste	8.330 MT	
General Trash/Refuse, Gardening Waste	8.330 MT	
Metal Scrap, Valve & Pipe, Copper & Aluminium Cables	83.330 MT	
Discarded Equipment/machinery	8.330 MT	
Construction and Demolition Waste	83.330 MT	
Other Sludge (Drain & Pit)	25.00 MT	As per Construction and demolition Rules 2016, disposal shall be ensured
CaCl2	291.670 MT	

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional.

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent.

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

Consent No:AW-3443

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

14. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

15. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

16. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis

17. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month.

Additional condition:-

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP (Internet Protocol) Cameras with pan-Tilt Zoom (PTZ) feature, minimum focal length 20X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.
2. The industry shall inventories the solid waste generation from the unit and submit the details within one month to the board and update same within 06 months for actual quantities.
3. The industry shall obtain the public liability insurance under Public Liability Act 1991 and shall maintain valid copy of the same.
4. The industry shall maintain valid Onsite Emergency Plan/ Disaster Management Plan duly approved by Department of Industrial Health & Safety.
5. The industry shall obtain membership of Emergency Response Center, MPPCB, Bhopal.
6. The industry shall comply with the all conditions of CREP Charter conditions, EC stipulations issued vide F No. 11011/119/2015- IA-I(I) dated 07/01/2020 and standards notified by Ministry of Environment, Forests and Climate Change, GoI, Dehli under EPA 1986.
7. The industry shall not be permitted to store the hazardous wastes more than 90 days as prescribed in HOWM Rules, 2016 and firm arrangements shall be made with the end users and copy of MoUs shall be submitted within 03 months to the Board.
8. Based on hazard identification and risk analysis, risk mitigation measures, industry shall ensure all possible efforts with coordinations local bodies to reduce risk and enhance safety at the plant and its surroundings.
9. The industry shall maintain the material balance for each product and submit the same to the Board annually.
10. Information of each Mock drill shall be given to local body, local administration & MPPCB RO, Ujjain atleast 07 days in advance.
11. The fire safety arrangements shall be maintained properly and tested during each mock drill.

Renewal of Consent as required under the Water (Prevention & Control of Pollution) Act, 1974 & The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For further renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
By the Member of Pollution Control Board



ACHYUT ANAND MISHRA
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 85NFW38WQO

Consent No:AW-3543

Annexure 2

Note on Zero Liquid Discharge

Annexure 2: Note on Zero liquid Discharge

Grasim has achieved Zero Liquid Discharge (ZLD) status on March 31st 2018. Initially prepared water balance and decided to optimize water consumption and minimize effluent generation with 3R approach i.e. Re-use, Reduce and Recycle.

Segregation & Collection System

Different type of water generated in different processes is segregated from storm water through collection systems prepared in each area. Water is pumped to ETP through conduit pipe system for further treatment.

Up gradation of Effluent Treatment Plant

The effluent treatment plant has manual control for pH correction and TSS removal. To strengthen the system and ensure proper treatment of effluent 1000 KLD capacity, the Effluent Treatment Plant has been installed with auto control dosing systems of different chemicals. New equipment has been installed like Pipe mixture, Flocculator, Lamella Clarifier and Filter press, sand and activated carbon filter for removal of suspended particle. The suspended matter after clarification in lamella clarifier passed through filter press to get sludge, which is disposed of in secured landfill.

Double Stage Effluent RO Plant

To achieve ZLD status double stage RO plant of 600 KLD capacity has been installed which comprises of Ultra Filtration system, brackish water RO and Sea Water RO. The treated effluent passed through BWRO where 60 % permeate water received having TDS below 100 mgpl, while reject is again fed into the SWRO to get further 60% permeate water having TDS below 200 mgpl. All permeate water received as above are used in different cooling towers while reject of SWRO is treated through MEE and ATFD plant.

MEE & ATFD

To treat the reject of SWRO, the unit has installed MEE and ATFD plant having capacity 120 KLD. The SWRO reject feed in Multi Effect Evaporator plant under vacuum to get 85% water as condensate having TDS below 100 mgpl while concentrate feed in Agitated Thin Film Dryer to get condensate having TDS below 200 mgpl and dry salt.

Online PTZ Camera

Unit has also installed online PTZ camera and flow meter at outlet to meet CPCB guideline for ZLD unit which is connected with CPCB and MPPCB server for real online monitoring.

Annexure 3

Effluent Treatment Plant

Pictures

Annexure 3: ETP Unit Pictures

ETP



MEE & ATFD



RO Plant



Annexure 4

Hazardous Waste

Authorization Certificate



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parivar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE**CCA-Expansion****CONSENT NO: *******PCB ID: 25471**

Outward No:114665,01/02/2022
NO: /MPPCB/UJJ

Consent No: AWH-55153**To,**

The Occupier,
M/s. Grasim Industries Ltd., Chemical Division

Survey No.-22/1, Birlagram Nagda, Industrial Area Mehatwas
Tal : Nagda Dist : Ujjain, Latitude : 23.4373 Longitude : 75.4118

Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Waste (Management & Transboundary movement) Rules, 2016

Ref: Your Consent to Operate Application Receipt No. 1105555 Dt. 19/01/2022 and last communication received on Dt.27/01/2022

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 31/01/2023 & authorisation up to 31/01/2027, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location:** Survey No.-22/1, Birlagram Nagda, Industrial Area Mehatwas, Tal : Nagda Dist : Ujjain
- b. The capital investment in lakhs:** Rs. 74884.1208
- c. Product & Production Capacity:**

S.No.	Product	CCA Qty / year
1	Caustic Soda Lye	300,000 MT
2	Chlorine	239,111 MT
3	Hydrogen	7,480 MT
4	Sodium Hypo	59,470 MT
5	Hydrochloric Acid	87,800 MT
6	Compressed Hydrogen	1,070 MT
7	Stable Bleaching Powder	43,800 MT
8	Poly Aluminium Chloride	36,500 MT
9	Chloro Sulphonic Acid	23,400 MT
10	Chlorinated Paraffin Wax	27,000 MT
11	Calcium Chloride	54,000 MT
12	Carbon Dioxide	23,760 MT
13	DG - Set (Electricity Generation)	2X 2000KVA

Note:-

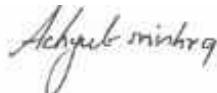
- (1) For any change in above industry shall obtain fresh consent from the board.
- (2) This consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.
- (3) The hydrochloric acid generated from air pollution control arrangement shall be treated as hazardous waste and same shall be handled and transported as per category 33.1 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and need to obtain permission under Rule 9 even used or treated within the plant.
- (4) This CCA is issued combined for the existing units of M/s Grasim Industries Ltd. (CD) wrt EC issued by MoEF&CC on 07/01/2020.

The Validity of the consent is up to 31/01/2023 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.


Digitally Signed with Aadhaar

der Water Act
der Air Act

(Organic Co-Authentication from AADHAR from UIDAI Server)
TPAV* #NNMWCYRQMC



ACHYUT ANAND MISHRA
Member Secretary



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent at out fall of the unit shall not exceed 433.000 KL/day, and the daily quantity of sewage at out fall of the unit shall not exceed 60.000 KL/day

2. Trade Effluent Treatment:-

The applicant shall operate comprehensive effluent treatment system including ETP, RO MEE & Dryer to remain Zero Liquid Discharge (ZLD) and in case of accidental discharge the waste shall be treated properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₅ Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

TDS	Not exceed	2100 mg/l.
Chlorides	Not exceed	1000 mg/l.

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₅ Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

The operator of the STP shall comply with the standards notified vide G.S.R. 1265(E) under sections 6 and 25 of the Environment (Protection) Act, 1986 by the Ministry of Environment, Forest and Climate Change New Delhi dated 13th October, 2017.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt development/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 3293.000	WWG : 493.000	Water Source
1	Cooling Water	1510.000	345.000	Local Body
2	Domestic Purpose	93.000	60.000	Local Body
3	Mnfg Process	1690.000	88.000	Local Body

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

10. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications

Consent No:AW3055153



and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

11. Recording of Monitoring Activities & Results:-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

15. Disposal of Collected Solid waste/sludge:-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

1. The industry shall take all the effluent through closed conduit to effluent treatment plant and ZLD system and maintain ZLD.

Consent No:AW1055153



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
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2. Domestic sewage shall be treated in STP up to the prescribed standards and shall be recycled/reused within the plant in process, cooling, gardening etc to remain ZLD unit.
3. The industry shall install wastewater flow meter at each unit and inlet of ETP to ensure complete collection of wastewater for treatment.
4. The industry shall install CEQMS at inlet of ETP & MEE to monitor TDS, Flow, Chlorides, pH, COD etc within 06 months and display the same in public domain though web based realtime display Board.
5. The industry shall comply with the industry specific standards notified by the MoEF&CC.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height (mtrs)	Fuel	Control equipment to be installed	(mg/NM ³)	CEMS
Caustic unit-I	5.5 m ³ /Hr	32	---	Alkali Scrubber,	Chlorine-15	
	2 m ³ /Hr	34	---	Water Scrubber,	HCl mist-35	
	2 m ³ /Hr	34	---	Water Scrubber,	HCl mist-35	
Caustic Unit-II	0.5m ³ /Hr	34	---	Alkali Scrubber,	Chlorine-15	
	1 m ³ /Hr	34	---	Water Scrubber,	HCl mist-35	
	1 m ³ /Hr	34	---	Water Scrubber,	HCl mist-35	
Stable bleaching Powder (De-dusting unit)	2 m ³ /hr	30	---	Bag Filter, Cyclone ,Dust Collector, Gravity Settling Chamber, Hood Cover,	PM-50, Cl ₂ -15	
	2 m ³ /hr	30	---	Bag Filter, Cyclone ,Dust Collector, Gravity Settling Chamber, Hood Cover,	PM-50, Cl ₂ -15	
PAC Liquid	3.5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
PAC Dryer-I	6 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
PAC Dryer-II	5.5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
Chloro sulphonic Acid	1.5 m ³ /hr	30	---	H ₂ SO ₄ scrubber	SO ₃ -50	
	1.5 m ³ /hr	30	---	Water Scrubber,	HCl Mist-35,PM-50	
CPW Plant	5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
				Alkali Scrubber	Cl ₂ -15	
Calcium Chloride Plant	5 m ³ /hr	34	---	Water Scrubber	HCl Mist-35	
D.G. Sets	2 x 2000 KVA	30	Diesel	Acoustic enclosure, Muffler,	As per CPCB/MoEFCC	

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- a. Particulate Matter (less than 10 micron) - 100 $\mu\text{g}/\text{m}^3$ (PM10 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- b. Particulate Matter (less than 2.5 micron) - 60 $\mu\text{g}/\text{m}^3$ (PM2.5 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- c. Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
- d. Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
- e. Carbon Monoxide [CO] (8 hrs. Basis) - 2000 $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises



8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

(Minimum number of plants to be planted by the unit:-59200)

Additional Air condition:-

1. Online real-time emission monitoring systems shall be installed, operated and maintained at all emission points and shall remain connected to MPPCB, ESC, Bhopal all the time. For any break down, immediate intimation shall be sent.
2. The industry shall install adequate numbers of the HCl mist & Chlorine detection censors within the plant premises and the same shall be connected to the public display system .
3. The industry shall submit the sources emission monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.

CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

FORM-2
[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorisation and date of issue : ,

2. Reference of application (No. and date) : **COE-1105555, dt: 19/01/2022**

3. COE-1105555, dt: 19/01/2022 of Grasim Industries Ltd., Chemical Division (Calcium Chloride Mfg. Unit) is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in xgn) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Survey No.-22/1, Birlagram Nagda, Industrial Area Mehatwas, Tal : Nagda Dist : Ujjain

Details of Authorisation

Serial No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity (ton/annum)
1.	Used or Spent Oil(5.1)	Collection, storage and disposal to authorized recyclers, (Co-processing & Preprocessing if not suitable for recycling)	40.250-MT
2.	Brine Sludge(16.3)	Captive Land fill upto December, 2022 , CTSDF	7500.000-M.T
3.	Chemical sludge from waste water treatment(35.3)	Captive Land fill upto December, 2022 , CTSDF	500.000-M.T
4.	Residue or Sludges And Filter Cakes(16.2)	CTSDF or CPCB SOP based actual users for utilisation	7200.000-M.T
5.	Spent ion exchange resin containing toxic metals(35.2)	CTSDF, Coprocessing, Pre-processing,coincineration in boilers	2.000-M.T
6.	Residue or Sludges And Filter Cakes(16.2)	CTSDF, Coprocessing, Pre-processing,	1200.000-M.T
7.	Spent carbon(28.3)	CTSDF, Coprocessing, Pre-processing,	5.000-M.T
8.	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes(33.1)	CTSDF, Coprocessing, Pre-processing, authorized recyclers	25.000-M.T
9.	Oil And Grease, Skimming(35.4)	CTSDF, Coprocessing, Pre-processing,	2.000-M.T
10.	Contaminated cotton rags or other cleaning materials(33.2)	CTSDF, Coprocessing, Pre-processing,	2.000-M.T
11.	Chemical sludge from waste water treatment(35.3)	CTSDF,	3000.000-M.T
12.	Chemical Waste (Solid)(Z33)	Captive Land fill upto December, 2022 , CTSDF	10.000-M.T
13.	Asbestos(Z16)	Captive Land fill upto December,2022, CTSDF	1.000-M.T
14.	Glasswool (Z22)	Captive Land fill upto December, 2022 CTSDF	5.000-M.T
15.	Filter Waste (Z37)	CTSDF, Coprocessing, pre-processing	10.000-M.T
16.	Rubber(X08)	Authorised recyclers,	10.000-M.T
17.	Pvc & Plastic Waste(Z46)	Athorised Recyclers, consented recyclers	600.000-M.T
18.	Thermocol(Z50)	Captive Land fill upto December,2022, CTSDF	0.500-M.T

Consent No:AW1105555



Consent Order

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19. Chemical Waste (Solid)(Z33)

Captive Land fill upto December, 2022 CTSDF 200.000-M.T

- (1) The authorisation shall be valid for a period of 01/02/2022~31/01/2027
- (2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A. General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Consent No:AW1855153

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B. Specific conditions:

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

Additional Haz condition:-

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annualy.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.

Additional Packing, Labeling & Transportation of Hazardous wastes:-

1. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5), 20(2) to this office on or before 30th June every year and preferably before 30th April.
2. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
3. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/emailit_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.11 as per Rule-22 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.
4. The occupier shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board in October 2004 & updated from time to time.
5. In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.



Consent Order

M.P. Pollution Control Board
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GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
STP Sludge	4.167 MT	Composting and used as manure or land fill after compostion
Food Waste	0.833 MT	
Glass Waste	0.167 MT	
PVC Frills Cooling Tower	0.167 MT	
Paper wastes, Waste Carton, Discarded Poster, Carpet	0.833 MT	
Wooden Waste	8.330 MT	
General Trash/Refuse, Gardening Waste	8.330 MT	The materials to be sold to the authorized and consented actual users and the intimation of each dispatch shall be given to the Board
Metal Scrap, Valve & Pipe, Copper & Aluminium Cables	83.330 MT	
Discarded Equipment/machinery	8.330 MT	
Construction and Demolition Waste	83.330 MT	As per Construction and demolition Rules 2016, disposal shall be ensured
Other Sludge (Drain & Pit)	25.00 MT	
CaCl ₂	291.670 MT	It shall be given to the actual users

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st

Consent No:AW1655153



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parivar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
 - (a) Violation of any terms and conditions of this Consent.
 - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
 - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Additional condition:-

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP (Internet Protocol) Cameras with pan-Tilt Zoom (PTZ) feature, minimum focal length 20X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.
2. The industry shall install CEQMS at inlet of ETP & MEE to monitor TDS, Flow, Chlorides, pH, COD etc within 06 months and display the same in public domain though web based realtime display Board.
3. The industry shall inventorise the solid waste generation from the unit and submit the details within one month to the board and update same within 06 months for actual quantities.
4. The industry shall obtain the public liability insurance under Public Liability Act 1991 and shall maintain valid copy of the same.
5. The industry shall maintain valid Onsite Emergency Plan/ Disaster Management Plan duly approved by Department of Industrial Health & Safety.
6. The industry shall obtain membership of Emergency Response Center, MPPCB, Bhopal.
7. The industry shall comply with the all conditions of CREP Charter conditions, EC stipulations issued vide F No. 11011/119/2015-IA-I(I) dated 07/01/2020 and standards notified by Ministry of Environment, Forests and Climate Change, GoI, Dehli under EPA 1986.
8. The Industry shall submit environmental statement for every financial year ending 31st March on or before 30th September and preferably before 30th April to the Board, containing details in reference to all consented products either produced for that year or not.
9. The industry shall not be permitted to store the hazardous wastes more than 90 days as prescribed in HOWM Rules, 2016 and firm arrangements shall be made with the end users and copy of MoUs shall be submitted within 03 months to the Board.
10. Based on hazard identification and risk analysis, risk mitigation measures, industry shall ensure all possible efforts with co-ordinations local bodies to reduce risk and enhance safety at the plant and its surroundings.
11. The industry shall maintain the material balance for each product and submit the same to the Board annually.
12. Information of each Mock drill shall be given to local body, local administration & MPPCB RO, Ujjain atleast 07 days in advance.
13. The fire safety arrangements shall be maintained properly and tested during each mock drill.
14. **This consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.**
15. The hydrochloric acid generated from air pollution control arrangement shall be treated as hazardous waste and same shall be handled and transported as per category 33.1 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and need to obtain permission under Rule 9 even used or treated within the plant.
16. This CCA is issued combined for the existing units of M/s Grasim Industries Ltd. (CD) wrt EC issued by MoEF&CC on 07/01/2020.
17. The consent and authorizations granted to other units shall be stand cancelled after issuance of this order.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not be allowed to discharge of effluent and gaseous emission.



(Organic Authentication on AADHAR from UIDAI Server)
 TPAV # NNYWCYPQ1C

Archit mishra
 F
 M.P. Pollution Control Board
A CHYUT ANAND MISHRA
 Member Secretary

Consent No:AW1655153

This Certificate generated from xgn.mp.nic.in are valid and does not require physical signatures, the certificate can be validated online from xgn.mp.nic.in using "TPAV" Number.

Annexure 5

Pollution Control Measures for Stack Emissions

Annexure 5: Pollution Control Measures for Stack Emissions

Emissions	Plant Unit	Pollution Control/ Mitigation measures adopted
STACK EMISSIONS		
Chlorine Vapors	Caustic Soda Membrane Cell	<ul style="list-style-type: none"> ▪ Alkali Scrubbers ▪ On-line monitoring sensors are installed ▪ Process interlocked pollution control equipment ▪ DCS Controlled operations.
	Stable Bleaching Powder	<ul style="list-style-type: none"> ▪ Alkali Scrubbers ▪ Chlorine feed is controlled and no excess chlorine is fed. ▪ Chlorine sensors installed
	Chlorinated Paraffin	<ul style="list-style-type: none"> ▪ Alkali Scrubbers ▪ Chlorine feed is controlled and no excess chlorine is fed. ▪ Chlorine sensors are placed
HCL Vapors	Caustic Soda Membrane Cell	<ul style="list-style-type: none"> ▪ Water Scrubbers ▪ On-line monitoring sensors are installed ▪ Pollution control equipment's interlocked with process ▪ The entire process is DCS controlled
	Poly Aluminum Chloride	<ul style="list-style-type: none"> ▪ Water Scrubbers for absorption of unreacted HCL vapors in water
	Chlorinated Paraffin plant	<ul style="list-style-type: none"> ▪ Water Scrubbers
	Chlorosulphonic Acid Plant	<ul style="list-style-type: none"> ▪ Chlorosulphonic Acid Plant-Production stopped permanently from July 2023; letter submitted to MPPCB
	Calcium Chloride Plant	
SPM (Chlorine & Dust emissions)	Stable Bleaching Powder	<ul style="list-style-type: none"> ▪ Bag Filters ▪ Chlorine feed is controlled & no excess chlorine is fed ▪ Dust control systems have been provided at the filling point. ▪ De-dusting system is installed at the product filling post to minimize the SPM levels.
SO3 Vapors	Chlorosulphonic Acid Plant	<ul style="list-style-type: none"> ▪ Sulphuric acid scrubbers, Chlorosulphonic Acid Plant- Production stopped permanently from October 2023; letter submitted to MPPCB on 02.02.2024.

Annexure 6

Pollution Control Measures

for Fugitive Emissions

Annexure 6: Pollution Control Measures for Fugitive Emissions

Emissions	Plant Unit	Pollution Control/ Mitigation measures adopted
FUGITIVE EMISSIONS		
HCl, Chlorine	<ul style="list-style-type: none"> ▪ Storage & handling of raw materials, solvents, finished products ▪ From equipment's leak valves, flanges, pump seals, compressors, sampling connections, open ended lines 	<ul style="list-style-type: none"> ▪ Liquid raw materials and intermediates charged into Reactors with pumps or under gravity through closed pipes. ▪ Suction Hoods placed near the Man-holes & Charging funnels of Reactors & Filters. ▪ All storage tank DGs of low boiling solvents / chemical with Conservation Vents. ▪ Vents of HCl storage tanks with a Water filled trap to prevent Acid fumes from escaping out. ▪ Mechanical seals to prevent fugitive emission. ▪ Storage tanks with level gauge, dyke wall, automated loading and unloading for the chemicals. ▪ Plugs, caps and blinds for open ended lines. ▪ Closed loop sampling systems.
CO2 and other gases	Vehicles, Open surfaces, ETP, retention ponds	<ul style="list-style-type: none"> ▪ Roads within the premises concreted / paved to avoid vehicular emissions. ▪ All transportation vehicles carry a valid PUC (Pollution under Control) Certificate. ▪ Proper servicing & maintenance of vehicles. ▪ Regular sweeping of all the roads & floors to avoid particulate matter dispersion.
Chloromethane traces, Methanol traces and HCl	From Hydrochlorination Reactor, From Photochlorination reactor, Distillation columns and vents of storage tanks for CMS.	<ul style="list-style-type: none"> ▪ All vents after guard condenser are directed to volatile reduction chamber (VRC Unit) where it is incinerated. HCl liberated is scrubbed in water and then with caustic solution.

Annexure 7

**Photographs of Air Pollution
Control Device**

Annexure 7: Air Pollution Control Equipment Installed



Annexure 8

Ambient Air Quality

Monitoring Reports



30 years of success

J.M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756



TC-6821

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/A/01	Report No.:	JME/A/250419021
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No	Nil
		Reporting Date:	23/04/2025
		Analysis Completion Date:	23/04/2025
		Analysis Start Date:	19/04/2025
Sample Description:	AMBIENT AIR QUALITY MONITORING	Receipt Date:	19/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Gyan Kutir
Latitude	:	23°26' 28.8" N
Longitude	:	75°24' 30.7" E
Instrument Used	:	RDS, FPS & BS
Instrument Code	:	JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	:	RDS: 25/09/2025, FPS: 25/09/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	14/04/2025 to 15/04/2025
Time of Monitoring	:	10:05 to 10:10 Hrs.
Actual Duration of Monitoring, (minutes)	:	1412.0
Ambient Temperature (°C)	:	Max 35°C, Min 23°C
Surrounding Activity	:	Plant Operation, Vehicular & Human Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS:5182, (Part-24)	30.67	µg/m³	60
2.	PM10	IS:5182, (Part-23)	62.38	µg/m³	100
3.	Nitrogen Dioxide	IS:5182, (Part-6)	15.31	µg/m³	80
4.	Sulphur Dioxide	IS:5182, (Part-2)	9.50	µg/m³	80
5.	Ozone	IS:5182, (Part-9)	17.82	µg/m³	180
6.	Lead	IS:5182, (Part-22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182, (Part-10)	0.63	mg/m³	--
8.	Ammonia	IS: 5182, (Part -25)	18.90	µg/m³	400
9.	Benzene	IS: 5182, (Part-11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182, (Part-12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part-26)	BDL (DL 1.0)	ng/m³	20

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII,[Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

--CO Limit as per CTO is 2 mg/m³

Ritika Saini
Tested by

Deepak Singh Yadav
Checked by

Sita Ram Yadav
Authorized Signatory

Page No. 1 of 2

Note:

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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)



30 years of success



TC-6821

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/A/02	Report No.:	JME/A/250419022
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No:	Nil
		Reporting Date:	23/04/2025
		Analysis Completion Date:	23/04/2025
		Analysis Start Date:	19/04/2025
Sample Description:	AMBIENT AIR QUALITY MONITORING	Receipt Date:	19/04/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	: JMELPL Team
Sampling Location	: Membrane Caustic Soda Plant-2
Latitude	: 23° 26' 16.4" N
Longitude	: 75° 24' 32.2" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/09/2025, FPS: 25/09/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 15/04/2025 to 16/04/2025
Time of Monitoring	: 10:15 to 10:15 Hrs.
Actual Duration of Monitoring, (minutes)	: 1409.0
Ambient Temperature (°C)	: Max 35°C, Min 24°C
Surrounding Activity	: Plant Operation, Vehicular & Human Activities
Control Measure if Any	: --
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS:5182, (Part-24)	32.53	µg/m³	60
2.	PM10	IS:5182, (Part-23)	65.77	µg/m³	100
3.	Nitrogen Dioxide	IS:5182, (Part-6)	18.42	µg/m³	80
4.	Sulphur Dioxide	IS:5182, (Part-2)	10.49	µg/m³	80
5.	Ozone	IS:5182, (Part-9)	21.49	µg/m³	180
6.	Lead	IS:5182, (Part-22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182, (Part-10)	0.69	mg/m³	--
8.	Ammonia	IS: 5182, (Part -25)	18.68	µg/m³	400
9.	Benzene	IS: 5182, (Part-11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182, (Part-12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part-26)	BDL (DL 1.0)	ng/m³	20

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII,[Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

--CO limit as per CTO is 2 mg/m³

Ritika Saini
Tested by

Deepak Singh Yadav
Checked by

Sital Ram Yadav
Page No. 1 of 2
Authorized Signatory

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Corporate Office

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Gurugram-122011(Haryana)



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TEST REPORT

Sample Number:	JME/GILCD/A/03	Report No.:	JME/A/250419023
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No	Nil
		Reporting Date:	23/04/2025
		Analysis Completion Date:	23/04/2025
		Analysis Start Date:	19/04/2025
Sample Description:	AMBIENT AIR QUALITY MONITORING	Receipt Date:	19/04/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	: JMELPL Team
Sampling Location	: Bora Godown Area
Latitude	: 23° 26' 26.4" N
Longitude	: 75° 24' 37.6" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/10/2025, FPS: 25/10/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 16/04/2025 to 17/04/2025
Time of Monitoring	: 09:45 to 09:50 Hrs.
Actual Duration of Monitoring, (minutes)	: 1413.0
Ambient Temperature (°C)	: Max 33°C, Min 22°C
Surrounding Activity	: Near GIL Railway line, Vehicular & Human Activities
Control Measure if Any	: --
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS:5182, (Part-24)	36.41	µg/m³	60
2.	PM10	IS:5182, (Part-23)	74.55	µg/m³	100
3.	Nitrogen Dioxide	IS:5182, (Part-6)	20.68	µg/m³	80
4.	Sulphur Dioxide	IS:5182, (Part-2)	9.92	µg/m³	80
5.	Ozone	IS:5182, (Part-9)	20.63	µg/m³	180
6.	Lead	IS:5182, (Part-22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182, (Part-10)	0.73	mg/m³	--
8.	Ammonia	IS: 5182, (Part -25)	22.90	µg/m³	400
9.	Benzene	IS: 5182, (Part-11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182, (Part-12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part-26)	BDL (DL 1.0)	ng/m³	20

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII,[Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

--CO Limit as per CTO is 2 mg/m³

Tested by
Pittu Sehgal

Checked by
Deepak Singh Yadav

Page No. 1 of 2
Sita Ram Yadav
Authorized Signatory

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TEST REPORT

Sample Number:	JME/GILCD/A/04	Report No.:	JME/A/250419024
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No	Nil
		Reporting Date:	23/04/2025
		Analysis Completion Date:	23/04/2025
		Analysis Start Date:	19/04/2025
Sample Description:	AMBIENT AIR QUALITY MONITORING	Receipt Date:	19/04/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	: JMEPL Team
Sampling Location	: Pardi Gate
Latitude	: 23° 26' 18.4" N
Longitude	: 75° 24' 53.6" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/09/2025, FPS: 25/09/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 17/04/2025 to 18/04/2025
Time of Monitoring	: 09:10 to 09:10 Hrs.
Actual Duration of Monitoring, (minutes)	: 1388.0
Ambient Temperature (°C)	: Max 34°C, Min 21°C
Surrounding Activity	: Heavy Vehicular & Human Activities
Control Measure if Any	: --
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS:5182, (Part-24)	40.26	µg/m³	60
2.	PM10	IS:5182, (Part-23)	79.39	µg/m³	100
3.	Nitrogen Dioxide	IS:5182, (Part-6)	21.38	µg/m³	80
4.	Sulphur Dioxide	IS:5182, (Part-2)	9.29	µg/m³	80
5.	Ozone	IS:5182, (Part-9)	20.09	µg/m³	180
6.	Lead	IS:5182, (Part-22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182, (Part-10)	0.73	mg/m³	--
8.	Ammonia	IS: 5182, (Part -25)	18.36	µg/m³	400
9.	Benzene	IS: 5182, (Part-11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182, (Part-12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMEPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part-26)	BDL (DL 1.0)	ng/m³	20

Note: NAAQS-National Ambient Air Quality Standards; Schedule-VII,[Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

--CO Limit as per CTO is 2 mg/m³

Ritika Saini
Tested by

Deepak Singh Yadav
Checked by

Page No. 1 of 2

 Sita Ram Yadav
Authorized Signatory

Note:

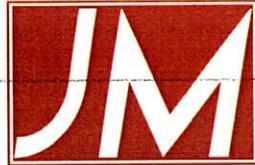
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TEST REPORT

Sample Number:	JME/GILCD/A/01	Report No.:	JME/A/250711021
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.8 F-02
		Party Ref. No	Nil
		Reporting Date:	14/07/2025
		Analysis Completion Date:	14/07/2025
		Analysis Start Date:	11/07/2025
		Receipt Date:	11/07/2025

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Kamal Kumar (Sr. Manager)
Sampling Location	: Gyan Kutir
Latitude	: 23°26' 28.8" N
Longitude	: 75°24' 30.7" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/09/2025, FPS: 25/09/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 08/07/2025 to 09/07/2025
Time of Monitoring	: 09:45 to 09:45 Hrs.
Actual Duration of Monitoring, (minutes)	: 1422.0
Ambient Temperature (°C)	: Max 36°C, Min 26°C
Surrounding Activity	: Vehicular & Human Activities
Control Measure if Any	: --
Sampling Protocol	: JMELPL/STOP/04, Issue No. 2
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS: 5182 (Part 24)	20.1	µg/m³	60
2.	PM10	IS: 5182 (Part 23)	46.8	µg/m³	100
3.	Nitrogen Dioxide	IS: 5182 (Part 6)	19.6	µg/m³	80
4.	Sulphur Dioxide	IS: 5182 (Part 2)	9.3	µg/m³	80
5.	Ozone	IS: 5182 (Part 9)	13.4	µg/m³	180
6.	Lead	IS: 5182 (Part 22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182 (Part 10)	0.55	mg/m³	--
8.	Ammonia	IS: 5182 (Part 25)	18.9	µg/m³	400
9.	Benzene	IS: 5182 (Part 11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182 (Part 12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part 26)	BDL (DL 1.0)	ng/m³	20

NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

--CO Limit as per CTO is 2 mg/m³, BDL: Below Detection Limit, DL: Detection Limit

Page No.1 of 2

Checked by
Deepak Singh Yadav



Reviewed & Authorized by
Sita Ram Yadav

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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011(Haryana)



TEST REPORT

Sample Number:	JME/GILCD/A/01	Report No.:	JME/A/250717022
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.8 F-02
		Party Ref. No	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Kamal Kumar (Sr. Manager)
Sampling Location	: Membrane Caustic Soda Plant-2
Latitude	: 23° 26' 16.4" N
Longitude	: 75° 24' 32.2" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/09/2025, FPS: 25/09/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Scattered Clouds
Date of Monitoring	: 12/07/2025 to 13/07/2025
Time of Monitoring	: 10:30 to 10:30 Hrs.
Actual Duration of Monitoring, (minutes)	: 1425.0
Ambient Temperature (°C)	: Max 32°C, Min 24°C
Surrounding Activity	: Plant Operation, Vehicular & Human Activities
Control Measure if Any	: --
Sampling Protocol	: JMELPL/STOP/04, Issue No. 2
Parameter Required	: As per work order

TEST RESULTS

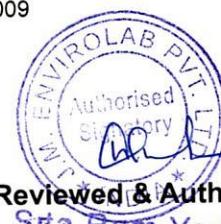
S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS: 5182 (Part 24)	22.5	µg/m³	60
2.	PM10	IS: 5182 (Part 23)	49.3	µg/m³	100
3.	Nitrogen Dioxide	IS: 5182 (Part 6)	20.4	µg/m³	80
4.	Sulphur Dioxide	IS: 5182 (Part 2)	11.9	µg/m³	80
5.	Ozone	IS: 5182 (Part 9)	17.1	µg/m³	180
6.	Lead	IS: 5182 (Part 22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182 (Part 10)	0.56	mg/m³	--
8.	Ammonia	IS: 5182 (Part 25)	23.6	µg/m³	400
9.	Benzene	IS: 5182 (Part 11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182 (Part 12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part 26)	BDL (DL 1.0)	ng/m³	20

NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

CO Limit as per CTO is 2 mg/m³, BDL: Below Detection Limit, DL: Detection Limit

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TEST REPORT

Sample Number:	JME/GILCD/A/02	Report No.:	JME/A/250717023
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.8 F-02
		Party Ref. No	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Kamal Kumar (Sr. Manager)
Sampling Location	: Bora Godown Area
Latitude	: 23° 26' 26.4" N
Longitude	: 75° 24' 37.6" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/10/2025, FPS: 25/10/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 13/07/2025 to 14/07/2025
Time of Monitoring	: 11:45 to 11:45 Hrs.
Actual Duration of Monitoring, (minutes)	: 1419.0
Ambient Temperature (°C)	: Max 33°C, Min 25°C
Surrounding Activity	: Near GIL Railway line, Vehicular & Human Activities
Control Measure if Any	: --
Sampling Protocol	: JMELPL/STOP/04, Issue No. 2
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS: 5182 (Part 24)	21.3	µg/m³	60
2.	PM10	IS: 5182 (Part 23)	53.9	µg/m³	100
3.	Nitrogen Dioxide	IS: 5182 (Part 6)	18.4	µg/m³	80
4.	Sulphur Dioxide	IS: 5182 (Part 2)	9.7	µg/m³	80
5.	Ozone	IS: 5182 (Part 9)	15.5	µg/m³	180
6.	Lead	IS: 5182 (Part 22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182 (Part 10)	0.61	mg/m³	--
8.	Ammonia	IS: 5182 (Part 25)	20.1	µg/m³	400
9.	Benzene	IS: 5182 (Part 11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182 (Part 12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part 26)	BDL (DL 1.0)	ng/m³	20

NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

-- CO Limit as per CTO is 2 mg/m³, BDL: Below Detection Limit, DL: Detection Limit

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TEST REPORT

Sample Number:	JME/GILCD/A/03	Report No.:	JME/A/250717024
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.8 F-02
		Party Ref. No	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Kamal Kumar (Sr. Manager)
Sampling Location	: Pardi Gate
Latitude	: 23° 26' 18.4" N
Longitude	: 75° 24' 53.6" E
Instrument Used	: RDS, FPS & BS
Instrument Code	: JME/RDS/02/06, JME/FPS/02/02 & JME/BS/01/02
Instrument Calibration Status	: RDS: 25/09/2025, FPS: 25/09/2025, BS: 10/10/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 14/07/2025 to 15/07/2025
Time of Monitoring	: 12:05 to 12:05 Hrs.
Actual Duration of Monitoring, (minutes)	: 1415.0
Ambient Temperature (°C)	: Max 33°C, Min 26°C
Surrounding Activity	: Heavy Vehicular & Human Activities
Control Measure if Any	: --
Sampling Protocol	: JMELPL/STOP/04, Issue No. 2
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS: 5182 (Part 24)	24.7	µg/m³	60
2.	PM10	IS: 5182 (Part 23)	55.6	µg/m³	100
3.	Nitrogen Dioxide	IS: 5182 (Part 6)	19.3	µg/m³	80
4.	Sulphur Dioxide	IS: 5182 (Part 2)	10.2	µg/m³	80
5.	Ozone	IS: 5182 (Part 9)	14.9	µg/m³	180
6.	Lead	IS: 5182 (Part 22)	BDL (DL 0.02)	µg/m³	1
7.	Carbon Monoxide	IS: 5182 (Part 10)	0.65	mg/m³	
8.	Ammonia	IS: 5182 (Part 25)	21.4	µg/m³	400
9.	Benzene	IS: 5182 (Part 11)	BDL (DL 1.0)	µg/m³	5
10.	Benzo (a) pyrene	IS: 5182 (Part 12)	BDL (DL 0.5)	ng/m³	1
11.	Arsenic	JMELPL/STOP/03	BDL (DL 0.5)	ng/m³	6
12.	Nickel	IS: 5182 (Part 26)	BDL (DL 1.0)	ng/m³	20

NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

--CO Limit as per CTO is 2 mg/m³, BDL: Below Detection Limit, DL: Detection Limit

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Annexure 9

Fugitive Emission

Monitoring Reports



30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/FD/01	Report No.:	JME/FD/250424001
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No.:	Nil
		Reporting Date:	28/04/2025
		Analysis Completion Date:	28/04/2025
		Analysis Start Date:	24/04/2025
Sample Description:	FUGITIVE DUST EMISSION	Receipt Date:	24/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Membrane Caustic Soda Plant- 2 (Near HCL Plant)
Latitude	:	23° 26' 25.1" N
Longitude	:	75° 24' 33.7" E
Instrument Used	:	RDS & FPS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	16/04/2025
Time of Monitoring	:	09:35 to 17:39 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 34°C, Min 28°C
Surrounding Activity	:	Plant Operation & Vehicular Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	111.0	µg/m³

End of Report


 Tested by
 Rukha Saini


 Checked by
 Deepak Singh


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CIN No. :U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/FD/02	Report No.:	JME/FD/250424002
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
Sample Description:	FUGITIVE DUST EMISSION	Party Ref. No.:	Nil
		Reporting Date:	28/04/2025
		Analysis Completion Date:	28/04/2025
		Analysis Start Date:	24/04/2025
		Receipt Date:	24/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Membrane Caustic Soda Plant- 1
Latitude	:	23° 26' 15.9" N
Longitude	:	75° 24' 34.4" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	17/04/2025
Time of Monitoring	:	10:05 to 18:09 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 35°C, Min 30°C
Surrounding Activity	:	Plant Operation & Vehicular Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	119.0	µg/m³

End of Report

Rishika Saini

Tested by

Deepak Singh
Checked by

Sita Ram Yadav
Authorized Signatory

Note:

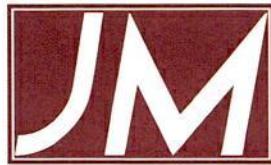
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J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/FD/03	Report No.:	JME/FD/250424003
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
Sample Description:	FUGITIVE DUST EMISSION	Party Ref. No.:	Nil
		Reporting Date:	28/04/2025
		Analysis Completion Date:	28/04/2025
		Analysis Start Date:	24/04/2025
		Receipt Date:	24/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Chlorinated Paraffin (CP Plant) Near Control Room
Latitude	:	23° 26' 15.0" N
Longitude	:	75° 24' 47.7" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	18/04/2025
Time of Monitoring	:	09:40 to 17:40 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 36°C, Min 30°C
Surrounding Activity	:	Plant Operation & Vehicular Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	141.0	µg/m³

End of Report

Rukha Saini
Tested by

Deepak Singh
Checked by

ENVIROLAB PVT. LTD.
Sita Ram Tadav
Authorized Signatory

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CIN No :U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/FD/04	Report No.:	JME/FD/250424004
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No.	Nil
		Reporting Date:	28/04/2025
		Analysis Completion Date:	28/04/2025
		Analysis Start Date:	24/04/2025
Sample Description:	FUGITIVE DUST EMISSION	Receipt Date:	24/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Calcium Chloride Plant (Near Control Room)
Latitude	:	23° 26' 14.3" N
Longitude	:	75° 24' 42.8" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	19/04/2025
Time of Monitoring	:	09:45 to 17:48 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 35°C, Min 30°C
Surrounding Activity	:	Plant Operation & Vehicular Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	129.0	µg/m³

End of Report

Ritika Saini
Tested by

Deepak Singh
Checked by

Sita Ram Yadav
Authorized Signatory

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CIN No.: U74220HR2011PTC085756

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TEST REPORT

Sample Number:	JME/GILCD/FD/05	Report No.:	JME/FD/250424005
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
Sample Description:	FUGITIVE DUST EMISSION	Party Ref. No.:	Nil
		Reporting Date:	28/04/2025
		Analysis Completion Date:	28/04/2025
		Analysis Start Date:	24/04/2025
		Receipt Date:	24/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Stable Bleaching Powder (SBP Plant)
Latitude	:	23° 26' 14.8" N
Longitude	:	75° 24' 38.2" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	21/04/2025
Time of Monitoring	:	09:10 to 17:12 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 33°C, Min 28°C
Surrounding Activity	:	Plant Operation & Loading, Unloading Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	124.0	µg/m³

End of Report


 Tested by
 Rinku Saini


 Checked by
 Deepak Singh


Note:

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30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/A/06	Report No.:	JME/FD/250424006
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No.:	Nil
		Reporting Date:	28/04/2025
		Analysis Completion Date:	28/04/2025
		Analysis Start Date:	24/04/2025
Sample Description:	FUGITIVE DUST EMISSION	Receipt Date:	24/04/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Sampling Location	:	Poly Aluminums Chloride (PAC Plant)
Latitude	:	23° 26' 18.7" N
Longitude	:	75° 24' 31.4" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	22/04/2025
Time of Monitoring	:	09:25 to 17:28 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 34°C, Min 29°C
Surrounding Activity	:	Plant Operation & Loading Unloading Activities
Control Measure if Any	:	--
Sampling & Analysis Protocol	:	IS-5182 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	137.0	µg/m³

End of Report


 Rukha Saini
 Tested by


 Deepak Singh
 Checked by


Note:

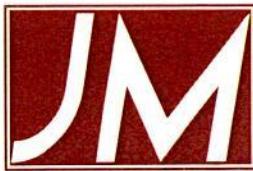
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TEST REPORT

Sample Number:	JME/GILCD/FD/01	Report No.:	JME/FD/250717011
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No.:	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
Sample Description:	FUGITIVE EMISSION	Receipt Date:	17/07/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Tara Chand Yadav (Field Co-ordinator)
Sampling Location	: Membrane Caustic Soda Plant- 2 (Near HCL Plant)
Latitude	: 23° 26' 25.1" N
Longitude	: 75° 24' 33.7" E
Instrument Used	: RDS
Instrument Code	: JME/RDS/01/14
Instrument Calibration Status	: RDS: 08/07/2025
Meteorological Condition During Monitoring	: Cloudy Sky
Date of Monitoring	: 09/07/2025
Time of Monitoring	: 08:15 to 16:15 Hrs.
Actual Duration of Monitoring, (minutes)	: 480.0
Ambient Temperature (°C)	: Max 29°C, Min 26°C
Surrounding Activity	: Plant Operation & Vehicular Activities
Control Measure if Any	: --
Sampling Protocol	: JMELPL/STOP/04, Issue No. 02
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	104.0	µg/m ³

Note: SPM standard is 5000 µg/m³ for fugitive emission effected area as per CPCB Guideline.

Page No. 1 of 1

Checked by
Deepak Singh Yadav

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68
End of Report

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Reviewed & Authorized by
Sita Ram Yadav



TC-6821

TEST REPORT

Sample Number:	JME/GILCD/FD/02	Report No.:	JME/FD/250717012
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
Sample Description:	FUGITIVE EMISSION	Party Ref. No.:	NII
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	:	Mr. Paramjeet Yadav (Field Co-ordinator)
Sampling Location	:	Membrane Caustic Soda Plant- 1
Latitude	:	23° 26' 15.9" N
Longitude	:	75° 24' 34.4" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Cloudy Sky and Light Rainfall
Date of Monitoring	:	10/07/2025
Time of Monitoring	:	09:15 to 17:19 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 30°C, Min 27°C
Surrounding Activity	:	Plant Operation & Vehicular Activities
Control Measure if Any	:	--
Sampling Protocol	:	JMELPL/STOP/04, Issue No. 02
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	107.0	µg/m³

Note: SPM standard is 5000 µg/m³ for fugitive emission effected area as per CPCB Guideline.

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TEST REPORT

Sample Number:	JME/GILCD/FD/03	Report No.:	JME/FD/250717013
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No.:	NII
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
Sample Description:	FUGITIVE EMISSION	Receipt Date:	17/07/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Tara Chand Yadav (Field Co-ordinator)
Sampling Location	: Chlorinated Paraffin (CP Plant) Near Control Room
Latitude	: 23° 26' 15.0" N
Longitude	: 75° 24' 47.7" E
Instrument Used	: RDS
Instrument Code	: JME/RDS/01/14
Instrument Calibration Status	: RDS: 08/07/2025
Meteorological Condition During Monitoring	: Cloudy Sky
Date of Monitoring	: 13/07/2025
Time of Monitoring	: 08:45 to 16:48 Hrs.
Actual Duration of Monitoring, (minutes)	: 480.0
Ambient Temperature (°C)	: Max 28°C, Min 26°C
Surrounding Activity	: Plant Operation & Vehicular Activities
Control Measure if Any	: --
Sampling Protocol	: JMELPL/STOP/04, Issue No. 02
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	116.0	µg/m³

Note: SPM standard is 5000 µg/m³ for fugitive emission effected area as per CPCB Guideline.

Page No. 1 of 1

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TEST REPORT

Sample Number:	JME/GILCD/FD/04	Report No.:	JME/FD/250717014
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
		Party Ref. No.:	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
Sample Description:	FUGITIVE EMISSION	Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	:	Mr. Paramjeet Yadav (Field Co-ordinator)
Sampling Location	:	Calcium Chloride Plant (Near Control Room)
Latitude	:	23° 26' 14.3" N
Longitude	:	75° 24' 42.8" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear sky -
Date of Monitoring	:	14/07/2025
Time of Monitoring	:	09:35 to 17:40 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 32°C, Min 27°C
Surrounding Activity	:	Plant Operation & Vehicular Activities
Control Measure if Any	:	--
Sampling Protocol	:	JMELPL/STOP/04, Issue No. 02
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	113.0	µg/m³

Note: SPM standard is 5000 µg/m³ for fugitive emission effected area as per CPCB Guideline.

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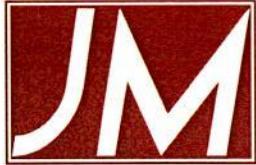
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TEST REPORT

Sample Number:	JME/GILCD/FD/05	Report No.:	JME/FD/250717015
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
Sample Description:	FUGITIVE EMISSION	Party Ref. No.:	NII
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

General Information

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	:	Mr. Tara Chand Yadav (Field Co-ordinator)
Sampling Location	:	Stable Bleaching Powder (SBP Plant)
Latitude	:	23° 26' 14.8" N
Longitude	:	75° 24' 38.2" E
Instrument Used	:	RDS
Instrument Code	:	JME/RDS/01/14
Instrument Calibration Status	:	RDS: 08/07/2025
Meteorological Condition During Monitoring	:	Clear Sky
Date of Monitoring	:	15/07/2025
Time of Monitoring	:	10:15 to 18:15 Hrs.
Actual Duration of Monitoring, (minutes)	:	480.0
Ambient Temperature (°C)	:	Max 33°C, Min 27°C
Surrounding Activity	:	Plant Operation & Loading, Unloading Activities
Control Measure if Any	:	--
Sampling Protocol	:	JMELPL/STOP/04, Issue No. 02
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	119.0	µg/m³

Note: SPM standard is 5000 µg/m³ for fugitive emission effected area as per CPCB Guideline.

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TEST REPORT

Sample Number:	JME/GILCD/A/06	Report No.:	JME/FD/250717016
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda- 456331 Madhya Pradesh	Format No.:	7.5 F-02
Sample Description:	FUGITIVE EMISSION	Party Ref. No.:	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date:	17/07/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Paramjeet Yadav (Field Co-ordinator)
Sampling Location	: Poly Aluminums Chloride (PAC Plant)
Latitude	: 23° 26' 18.7" N
Longitude	: 75° 24' 31.4" E
Instrument Used	: RDS
Instrument Code	: JME/RDS/01/14
Instrument Calibration Status	: RDS: 08/07/2025
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 16/07/2025
Time of Monitoring	: 09:10 to 17:15 Hrs.
Actual Duration of Monitoring, (minutes)	: 480.0
Ambient Temperature (°C)	: Max 33°C, Min 28°C
Surrounding Activity	: Plant Operation & Loading Unloading Activities
Control Measure if Any	: --
Sampling Protocol	: JMEPL/STOP/04, Issue No. 02
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit
1.	Suspended Particulate Matter	JMEPL/STOP/03	121.0	µg/m³

Note: SPM standard is 5000 µg/m³ for fugitive emission effected area as per CPCB Guideline.

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Checked by
Deepak Singh Yadav



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Annexure 10

Freshwater Consumption Details

Annexure 10: Freshwater Consumption Data

S. No.	Month	Average Fresh Water consumed in KLD
1	April-25	3120
2	May-25	2682
3	June-25	2669
4	July-25	2392
5	August-25	2632
6	September-25	2536
	Average	2672

Annexure 11

Photographs of Stormwater Drains

Annexure 11: Pictures of Separate Storm water Drains



Annexure 12

Hazardous Chemicals

Storage Details

Annexure 12: Hazardous Chemicals Storage Details

Unit	Chemicals	Form of Material (Solid/Liquid/Gas)	Nature of Material (Corrosive/ Flammable etc.)	Type of Storage
Membrane cell Caustic Soda	Sodium Chloride (common salt)	Solid	Corrosive	Shed
	Soda Ash	Solid	Corrosive	Bag
	Barium Carbonate	Solid	NA	Bag
	Sodium Sulphite	Solid	Corrosive	Bag
	Caustic Soda	Liquid	Corrosive	MS tank
	Hydrochloric Acid	Liquid	Corrosive	MSRL Tank
	Sulphuric Acid	Liquid	Corrosive	MSRL
Stable leaching Powder Unit	Liquid chlorine	Liquid	Corrosive	MS tank
	Hydrated lime	Solid	Corrosive	Bag
	Caustic Soda	Liquid	Corrosive	Tank
	Chlorine	Gas	Corrosive	Pipeline
Poly Aluminium Chloride	Hydrochloric Acid	Liquid	Corrosive	MSRL Tank
	Sulphuric Acid	Liquid	Corrosive	MSRL Tank
	Chlorine gas	Gas	Corrosive	Pipeline
	Caustic Soda	Liquid	Corrosive	MS Tank
Chloro sulphonic Acid	Hydrochloric acid	Liquid	Corrosive	Production discontinued
	Sulphuric Acid	Liquid	Corrosive	
	Sulphur Trioxide	Gas	Corrosive	
Calcium chloride	HCl (33 %)	Liquid	Corrosive	MSRL Tank

Annexure 13

Secured Landfill Consent



RED-SMALL

CCA-Fresh

Validity(A/W) : 30/11/2028
Validity(H) : 31/12/2028

CONSENT NO: ***

PCB ID: 150195

Outward No:119560,13/01/2024

Consent No:AWH-59528

To,

The Occupier,
M/s. Grasim Industries Ltd. (Chemical Division)
(Captive Slf Development Facility)

Survey No 401/1/1,402, Birlagram, Nagda, Tal : Nagda,
SIDC : I/A Mehatwas Nagda, Dist : Ujjain (M.P.)- 456331

Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Waste (Management & Transboundary movement) Rules, 2016

Ref: Your Application Receipt No. 1324447 Dt. 13/12/2023 and last communication received on Dt.11/12/2023

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **30/11/2028** & authorization up to **31/12/2028**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Survey No 401/1/1,402, Birlagram, Nagda, Tal : Nagda, SIDC : I/A Mehatwas Nagda, Dist : Ujjain (M.P.)- 456331
- b. The capital investment: Rs. 7.77 Crs
- c. Product & Production Capacity:

Product	Applied Qty / year
Captive secured land fill site (II)	45000.0 MT ³ (Forty Five Thousand Cubic Meter)

Note:-

1. For any change in above industry shall obtain fresh consent from the board.
2. The facility operator shall follow CPCB guidelines for secured land fill site operation.
3. Guidelines issued by CPCB for Storage of hazardous wastes shall be strictly followed.
4. Guidelines for proper upkeep and functioning of disposal site (HAZWAMS/32/2005-06) issued by CPCB shall be complied.

The Validity of the consent is up to **30/11/2028** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * *Conditions under Water Act*
- * *Conditions under Air Act*
- * *Conditions under Hazardous Rules*
- * *General conditions*

By the order of Chairman, MPPCB



Signature Not Verified
Digitally Signed by : Chandra
Mohan Thakur,IAS
Date: 13/01/2024 05:19:17 PM

CHANDRA MOHAN THAKUR
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # O8SD8HEJ9E



CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent of the unit shall not exceed **1.0 KLD** and the daily quantity of sewage of the unit shall be **Nil**.

2. Trade Effluent Treatment:-

The applicant shall operate effluent treatment system and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₅ Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 and notified by MPPCB from time to time shall be applicable.

3. Sewage Treatment (if any) :-

The applicant shall operate and maintain sewage treatment facility to achieve following standards-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in KLS)	WC : 1.0	WWG : 1.0	Water Source	Remark
1	Others	1.0	1.0	Other	Leachate from captive secured land fill

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.



10. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

13. Limitation of visible floating solids and foam:-

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

14. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

16. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

1. Leachate from the secured landfills shall be collected and treated through ZLD system.
2. Industry shall ensure regular maintenance of the pipeline for the transfer of Leachate from the Secured landfill to the ETP based on ZLD. The treated leachate shall be disposed off through MEE.
3. The facility operator shall cover the in operation landfill cell during the each rainy season with report to HO & RO, MPPCB.
4. The facility operator shall cap the filled cell (completed) as per the guidelines of MoEFCC & CPCB and directions by MPPCB within stipulated time as per earlier letter.



CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the prescribed standards.
2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:
 - a. Particulate Matter (less than 10 micron) - 100 $\mu\text{g}/\text{m}^3$ (PM10 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
 - b. Particulate Matter (less than 2.5 micron) - 60 $\mu\text{g}/\text{m}^3$ (PM2.5 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
 - c. Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
 - d. Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 $\mu\text{g}/\text{m}^3$
 - e. Carbon Monoxide [CO] (8 hrs. Basis) - 2000 $\mu\text{g}/\text{m}^3$
3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.
4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.
5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.
6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises
7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.
8. Industry shall take effective steps for extensive tree plantation preferably of the local tree species within or around the industry/unit premises for general improvement of environmental conditions.

Additional Air condition:-

1. Ambient air quality at the boundary of the factory premises shall conform to the norms prescribed in MoEF&CC gazette notification no . GSR/826(E), dated: 16/11/09.
2. Fugitive emission shall have to be effectively controlled by constant vigil, timely repair and good housekeeping practices.
3. A fire protection system of approved design shall be maintained in all the storage sheds and pre-processing area.
4. The facility shall have appropriate odor control facility to deal with the odor nuisance in and around the unit.
5. Emergency showers and eye wash stations shall be provided at each storage, handling and pre-processing work area for immediate emergency use during exposure to the wastes.
6. Abatement techniques shall be installed for control of noise to required levels.



CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

FORM-2

[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORIZATION BY M.P. POLLUTION CONTROL BOARD TO THE OCCUPIERS AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorization and date of issue : ,
2. Reference of application (No. and date) : **COF-1324447, dt: 13/12/2023**

3. The occupier of **M/s. Grasim Industries Ltd. (Chemical Division)**

Captive Sl Development Facility - Grasim Industries Ltd. (Chemical Division) is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in XGN) for generation, collection, storage, transport, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at 401/1/1,402, Birlagram, Nagda, Ujjain, (M.P.)

Details of Authorisation

Category of Hazardous Waste as per the Schedules I, II and III of these rules		Authorized mode of disposal	Quantity (ton/annum)
Chemical Waste (Solid)	(Z33)	Captive Land fill upto December, 2028 , CTSDF	50.0-M.T
Residue or Sludges And Filter Cakes	(16.2)	Captive Land fill upto December, 2028 , CTSDF	2800.0-M.T
Chemical sludge from waste water treatment	(35.3)	Captive Land fill upto December, 2028 , CTSDF	200.0-M.T
Brine Sludge	(16.3)	Captive Land fill upto December, 2028 , CTSDF	3500.0-M.T
Residue or Sludges And Filter Cakes	(16.2)	Captive Land fill upto December, 2028 , CTSDF	400.0-M.T
Asbestos	(Z16)	Captive Land fill upto December, 2028 , CTSDF	10.0-M.T
Glasswool	(Z22)	Captive Land fill upto December, 2028 , CTSDF	25.0-M.T
Thermocol	(Z50)	Captive Land fill upto December, 2028 , CTSDF	1.0-M.T

(1) The authorization shall be valid up to **31/12/2028**

(2) The authorization is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A. General conditions of authorisation:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the M.P. Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty

Consent No:AW8859528



7. It is the duty of the authorized person to take prior permission of the M.P. Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

B. Specific conditions:

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the M.P. Pollution Control Board.

Additional Haz condition:-

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorization.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annualy.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.



Additional Packing, Labeling & Transportation of Hazardous wastes:-

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with seven copies of the manifest as per the colour codes as per rule 19(1).
- (vi) The occupier shall forward copy 1 (white) to the M.P. Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 7 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny begs etc	Record should be maintained	Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorization is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.



5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorization fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorization.

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

- (a) Violation of any terms and conditions of this Consent.
- (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Additional condition:-

1. The industry shall maintain “Outdoor HD Industrial grade IP (Internet Protocol) cameras with Pan-Tilt Zoom (PTZ) feature, minimum focal length 5X with night vision facility and tamper proof mechanism” at suitable locations to display effluent discharge points and connect the same with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal for remote surveillance.
2. Project management shall comply the updated standards/guidelines/directions/recommendations issued by Honorable Supreme Court/ High Court/NGT/MoEFCC/CPCB & MPPCB.
3. Record of quantity of stabilization agents (if any) used per month for stabilization of different waste received at captive SLF along with type of pretreatment given (if any), name and quantity of stabilization agents used; shall be submitted to Board by 5th day of every month.
4. Captive SLF management shall daily monitor the leachate, for presence of heavy metal like lead cadmium (Hexavalent) Chromium (trivalent) Copper, Iron ,Manganese, zinc, Nickel etc.
5. Daily soil cover of 15 cm shall be provided on the quantity of stabilized waste disposed off every day. Quantity of soil used for daily covering shall also be recorded and submitted to Board along with the details of stabilization agents (if any).
6. Project management shall have to follow all the safety measures as per OSEP approved by the Deptt. of industrial Health & Safety.
7. Project proponent shall maintain piezometric holes all around the SLF premises in all directions to detect and assess the ground water contamination.
8. Project proponent shall regularly collect and analyze ground water samples from tube wells of nearby area to detect and assess the trend of ground water contamination.
9. Project management shall submit the monthly reports, annual reports and quarterly protocol performance reports to CPCB/MPPCB.
10. Extensive tree plantation shall be carried out around the periphery of SLF.



11. Project management shall make proper arrangement for safe disposal through garland drains and collection tank around secured landfill only after proper treatment within prescribed standards.
12. Project management shall take adequate precautionary measures before and during operation, maintenance and cleaning of pollution control equipment to avoid any accidental hazard.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 and the Authorization under Hazardous and Other Wastes (Management & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorization. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

**For and on behalf of
M.P. Pollution Control Board**

By the order of Chairman, MPPCB

chandrap

CHANDRA MOHAN THAKUR
Member Secretary

Annexure 14

Photographs of Secured Landfill

Annexure 14: Photographs of Secured Landfill



Annexure 15

Photographs of Green Belt

Annexure 6

Green Belt Details

The plantation includes:

Species Known for Pollution Tolerance and Rapid Growth:

- Silver Oak (*Grevillea robusta*)
- Subabul (*Leucaena leucocephala*)
- Ashok (*Polyalthia longifolia*)
- Akash Neem (*Millingtonia hortensis*)
- Casuarina species

Indigenous and Shade-Providing Trees

- Neem (*Azadirachta indica*)
- Banyan (*Ficus benghalensis*)
- Sita Ashok (*Saraca indica*)
- Arjun (*Terminalia arjuna*)
- Shisham (*Dalbergia sissoo*)
- Karanj (*Pongamia pinnata*)

Ornamental and Flowering Trees:

- Gulmohar (*Delonix regia*)
- Amaltas (*Cassia fistula*)
- Jacaranda species
- Champa (*Plumeria spp.*)
- Bottle Brush (*Callistemon spp.*)
- Sawani (*Lagerstroemia spp.*)

Special Use and Miscellaneous Species

- Sandalwood (*Santalum album*)
- Elephant Apple (*Dillenia indica*)
- Pangra (*Erythrina spp.*)
- Sausage Tree (*Kigelia pinnata*)
- Bamboo (*Bambusa spp.*)
- Chiku (*Manilkara zapota*)

Glimpses of plantation and green belt in the complex is shown as below:





Annexure 16

Details of CER Activities

Annexure 16: CER Activities Expenditure Details and Photographs

S.No	Area of Activity	April 25 to Jun 25	July 25 to Sep 25	Total in Lacs
1	Education	0.595	3.040	3.635
2	Health	0.040	0.445	0.485
3	Sustainable Development	5.987	0.489	6.476
4	Infrastructure	23.157	9.177	32.334
5	Social Development	0.050	0.490	0.540



RO Plant flooring, Motor, Pump & Auto



Drinking Water RO Plant



Pravesh Utsav celebration



Teachers Meeting



Yoga Day Celebration



New Pipe Laying Installation



Distribute animal drinking water tank



Shed Repairing Work



New Culvert



Project Krishi Nayak



Awareness season



Plantation in school



Participation in Vigyan Mela

Village Meeting

Annexure 17

Stack Emission and Point Source Noise Reports



30 years of success

J.M. ENVIROLAB PVT. LTD.

CIN No. :U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number	JME/GILCD/ST/10	Report No.	JME/ST/250417010
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.	7.5 F-03
Sample Description	STACK EMISSION MONITORING	Party Reference No.	Nil
		Reporting Date	21/04/2025
		Analysis Completion Date:	21/04/2025
		Analysis Start Date:	17/04/2025
		Receipt Date	17/04/2025

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Date of Sampling & Time	:	15/04/2025(12:05 to 12:55 Hrs.)
Sampling Location & Code	:	DG Set 2000 KVA (Near CAP Area)
Sampling Duration (Minutes)	:	50.0
Stack Attached to	:	DG Set
Make of Stack	:	Iron
Diameter of Stack	:	0.3 m
Height of Stack	:	
(i)From the Source of Emission	:	--
(ii)From Roof Level	:	--
(iii)From Ground Level	:	30.0 m
Operating Schedule (Hrs./day)	:	As per Required
Purpose of Monitoring	:	Regulatory Requirement
Control Measure if Any	:	--
Operating Condition at the time of Sampling	:	On Load
Type of fuel Used	:	Diesel
Meteorological Condition	:	Clear Sky
Instrument Code	:	JME/SMK/01/22
Instrument Calibration status	:	Calibrated
Ambient Temperature – Ta (°C)	:	32.0
Temperature of Stack Gases - Ts (°C)	:	198.0
Velocity of Stack Gases (m/sec.)	:	12.48
Flow rate of PM (LPM)	:	33.0
Flow rate of Gas (LPM)	:	2.0
Volumetric Flow (Nm ³ /Hrs.)	:	1955.0
Sampling Condition	:	Isokinetic
Protocol Used	:	IS-11255 & CPCB Guidelines
Parameter Required	:	As per work order

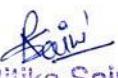
TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1.	Particulate Matter	IS:11255 (Part-1)	51.23	mg/Nm ³	75
2.	Oxides of Nitrogen (as NO ₂)	IS:11255 (Part-7)	208.92	ppmv	710
3.	Sulphur Dioxide	IS:11255 (Part-2)	13.08	mg/Nm ³	--
4.	Carbon Monoxide	JMELPL/STOP/03 (Issue Date 21.09.2022)	94.68	mg/Nm ³	150
5.	Carbon Dioxide	JMELPL/STOP/03 (Issue Date 21.09.2022)	5.30	%	--
6.	Hydrocarbon as Methane	IS:11255 (Part-13)	11.31	mg/Nm ³	--
7.	Non-Methane Hydrocarbon as C	JMELPL/STOP/03 (Issue Date 21.09.2022)	14.58	mg/Nm ³	100

Note: Limit as per Environment (Protection) Rules, 1986

All results are corrected at 15% O₂ level.

End of Report


 Ritika Saini
 Tested by


 Deepak Singh
 Checked by


 Authorised Signatory
 Sita Ram Yadav

Note:

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after retention time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.

 424, Ground Floor, Udyog Vihar,
 Phase-IV, Gurugram-122015 (Haryana)
 E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

 Emaar Digital Greens, Tower-B, Unit No.1517,
 Golf Course Ext. Road, Sector-61,
 Gurugram-122011(Haryana)



30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No. U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number	JME/GILCD/ST/11	Report No.	JME/ST/250417011
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.	7.5 F-03
		Party Reference No.	Nil
		Reporting Date	21/04/2025
		Analysis Completion Date:	21/04/2025
		Analysis Start Date:	17/04/2025
Sample Description	STACK EMISSION MONITORING	Receipt Date	17/04/2025

Client Representative (Name & Designation)	:	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by	:	JMELPL Team
Date of Sampling & Time	:	15/04/2025(10:30 to 11:15 Hrs.)
Sampling Location & Code	:	DG Set 2000 KVA (VAP Area)
Sampling Duration (Minutes)	:	45.0
Stack Attached to	:	DG Set
Make of Stack	:	Iron
Diameter of Stack	:	0.3 m
Height of Stack	:	
(i)From the Source of Emission	:	--
(ii)From Roof Level	:	--
(iii)From Ground Level	:	30.0 m
Operating Schedule (Hrs./day)	:	As per Required
Purpose of Monitoring	:	Regulatory Requirement
Control Measure if Any	:	--
Operating Condition at the time of Sampling	:	On Load
Type of fuel Used	:	Diesel
Meteorological Condition	:	Clear Sky
Instrument Code	:	JME/SMK/01/22
Instrument Calibration status	:	Calibrated
Ambient Temperature – Ta (°C)	:	30.0
Temperature of Stack Gases - Ts (°C)	:	192.0
Velocity of Stack Gases (m/sec.)	:	13.53
Flow rate of PM (LPM)	:	36.0
Flow rate of Gas (LPM)	:	2.0
Volumetric Flow (Nm ³ /Hrs.)	:	2147.0
Sampling Condition	:	Isokinetic
Protocol Used	:	IS-11255 & CPCB Guidelines
Parameter Required	:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	Limit
1.	Particulate Matter	IS:11255 (Part-1)	43.17	mg/Nm ³	75
2.	Oxides of Nitrogen (as NO ₂)	IS:11255 (Part-7)	202.74	ppmv	710
3.	Sulphur Dioxide	IS:11255 (Part-2)	9.42	mg/Nm ³	--
4.	Carbon Monoxide	JMELPL/STOP/03 (Issue Date 21.09.2022)	87.30	mg/Nm ³	150
5.	Carbon Dioxide	JMELPL/STOP/03 (Issue Date 21.09.2022)	4.72	%	--
6.	Hydrocarbon as Methane	IS:11255 (Part-13)	10.17	mg/Nm ³	--
7.	Non-Methane Hydrocarbon as C	JMELPL/STOP/03 (Issue Date 21.09.2022)	15.36	mg/Nm ³	100

Note: Limit as per Environment (Protection) Rules, 1986

All results are corrected at 15% O₂ level.

End of Report

Ritika Saini

Tested by

Deepak Singh
Checked by

Authorised Signatory
Sita Ram Yadav

Note:

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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
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Gurugram-122011(Haryana)



TEST REPORT

Sample Number	JME/GILCD/ST/01	Report No.	JME/ST/250712010
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.	7.8 F-03
Sample Description	STACK EMISSION MONITORING	Party Reference No.	Nil
		Reporting Date	17/07/2025
		Analysis Completion Date:	17/07/2025
		Analysis Start Date:	12/07/2025
		Receipt Date	12/07/2025

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Date of Sampling & Time	09/07/2025 (09:00 to 09:50 Hrs.)
Sampling Location & Code	DG Set 2000 KVA (Near CAP Area)
Sampling Duration (Minutes)	50.0
Stack Attached to	DG Set
Make of Stack	Iron
Diameter of Stack	0.3 m
Height of Stack	
(i) From the Source of Emission	--
(ii) From Roof Level	--
(iii) From Ground Level	30.0 m
Operating Schedule (Hrs./day)	As per Required
Purpose of Monitoring	Regulatory Requirement
Control Measure if Any	--
Operating Condition at the time of Sampling	On Load
Type of fuel Used	Diesel
Meteorological Condition	Cloudy Sky
Instrument Code	JME/SMK/02/02
Instrument Calibration status	Calibrated
Ambient Temperature – Ta (°C)	27.0
Temperature of Stack Gases - Ts (°C)	201.0
Velocity of Stack Gases (m/sec.)	13.06
Flow rate of PM (LPM)	34.0
Flow rate of Gas (LPM)	2.0
Volumetric Flow (Nm ³ /Hrs.)	1932.0
Sampling Condition	Isokinetic
Sampling Protocol	JMELPL/STOP/04, Issue No. 02
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1.	Particulate Matter	IS:11255 (Part-1)	49.2	mg/Nm ³	75
2.	Oxides of Nitrogen (as NO ₂)	IS:11255 (Part-7)	207.1	ppmv	710
3.	Sulphur Dioxide	IS:11255 (Part-2)	9.0	mg/Nm ³	--
4.	Carbon Monoxide	JMELPL/STOP/03	90.7	mg/Nm ³	150
5.	Carbon Dioxide	JMELPL/STOP/03	5.9	%	--
6.	Hydrocarbon as Methane	IS:11255 (Part-13)	9.1	mg/Nm ³	--
7.	Non-Methane Hydrocarbon as C	JMELPL/STOP/03	17.5	mg/Nm ³	100

Note: Limit as per Environment (Protection) Rules, 1986

All results are corrected at 15% O₂ level.

Checked by
Deepak Singh Yadav

Page No. 1 of 1



Reviewed & Authorized by
Sita Ram Yadav

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Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 & 45001:2018

CIN No. :U74220HR2011PTC085756



TC-6821

TEST REPORT

Sample Number	JME/GILCD/ST/02	Report No.	JME/ST/250712011
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.	7.8 F-03
Sample Description	STACK EMISSION MONITORING	Party Reference No.	Nil
		Reporting Date	17/07/2025
		Analysis Completion Date:	17/07/2025
		Analysis Start Date:	12/07/2025
		Receipt Date	12/07/2025

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Date of Sampling & Time	09/07/2025 (10:45 to 11:30 Hrs.)
Sampling Location & Code	DG Set 2000 KVA (VAP Area)
Sampling Duration (Minutes)	45.0
Stack Attached to	DG Set
Make of Stack	Iron
Diameter of Stack	0.3 m
Height of Stack	
(i) From the Source of Emission	--
(ii) From Roof Level	--
(iii) From Ground Level	30.0 m
Operating Schedule (Hrs./day)	As per Required Regulatory Requirement
Purpose of Monitoring	--
Control Measure if Any	On Load
Operating Condition at the time of Sampling	Diesel
Type of fuel Used	Clear Sky
Meteorological Condition	JME/SMK/02/02
Instrument Code	Calibrated
Instrument Calibration status	29.0
Ambient Temperature – Ta (°C)	195.0
Temperature of Stack Gases - Ts (°C)	14.23
Velocity of Stack Gases (m/sec.)	38.0
Flow rate of PM (LPM)	2.0
Flow rate of Gas (LPM)	2125.0
Volumetric Flow (Nm ³ /Hrs.)	Isokinetic
Sampling Condition	JMELPL/STOP/04, Issue No. 02
Sampling Protocol	As per work order
Parameter Required	

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	Limit
1.	Particulate Matter	IS:11255 (Part-1)	42.9	mg/Nm ³	75
2.	Oxides of Nitrogen (as NO ₂)	IS:11255 (Part-7)	229.5	ppmv	710
3.	Sulphur Dioxide	IS:11255 (Part-2)	8.8	mg/Nm ³	--
4.	Carbon Monoxide	JMELPL/STOP/03	101.6	mg/Nm ³	150
5.	Carbon Dioxide	JMELPL/STOP/03	6.5	%	--
6.	Hydrocarbon as Methane	IS:11255 (Part-13)	8.8	mg/Nm ³	--
7.	Non-Methane Hydrocarbon as C	JMELPL/STOP/03	13.7	mg/Nm ³	100

Note: Limit as per Environment (Protection) Rules, 1986

All results are corrected at 15% O₂ level.

Checked by
Deepak Singh Yadav



Page No. 1 of 1

Reviewed & Authorized by
Sita Ram Yadav

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J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/PS/01	Report No.:	JME/PS/250419001
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.50 F-04
		Party Reference No.:	Nil
		Reporting Date	22/04/2025
		Analysis Completion Date:	22/04/2025
		Analysis Start Date:	19/04/2025
		Receipt Date	19/04/2025

Sample Description: POINT SOURCE NOISE

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar
Sampling Location	DG Set 2000 KVA (Near CAP Area)
Date of Monitoring	16/04/2025
Time of Monitoring	10:50 to 11:20 Hrs.
Actual duration of Sampling, (minutes)	30.0
Instrument Used	Sound Level Meter
Instrument Code	JME/SLM/01/15
Instrument Calibration Status	Calibrated
Operating Schedule (Hrs./day)	As per Required
Operating Condition at the time of Sampling	On Load
Type of fuel Used	Diesel
Ambient Temperature (°C)	31.0
Meteorological Condition during Monitoring	Clear Sky
Purpose of Monitoring	Regulatory Requirement
Control Measure if Any	Acoustic enclosure
Sampling & Analysis Protocol	IS-4758
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Result	Unit
1.	Sound Pressure Level (Open Acoustic Enclosure)	IS: 4758	98.7	dB(A)
2.	Sound Pressure Level (Close Acoustic Enclosure)	IS: 4758	70.9	dB(A)
3.	Insertion Loss	--	27.8	dB(A)

Note: Acoustic enclosure shall be designed for minimum 25 dB (A) insertion loss under the Environment (Protection) Act, 1986

End of Report

Ritika Saini
Tested by

Deepak Singh
Checked by

Sita Ram Yadav
Authorised Signatory

Note:

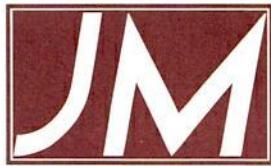
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J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/PS/02	Report No.:	JME/PS/250419002
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.50 F-04
		Party Reference No.:	Nil
		Reporting Date:	22/04/2025
		Analysis Completion Date:	22/04/2025
		Analysis Start Date:	19/04/2025
Sample Description:	POINT SOURCE NOISE	Receipt Date:	19/04/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar
Sampling Location	DG Set 2000 KVA (Near VAP Area)
Date of Monitoring	16/04/2025
Time of Monitoring	12:10 to 12:40 Hrs.
Actual duration of Sampling, (minutes)	30 minutes
Instrument Used	Sound Level Meter
Instrument Code	JME/SLM/01/15
Instrument Calibration Status	Calibrated
Operating Schedule (Hrs./day)	As per Required
Operating Condition at the time of Sampling	On Load
Type of fuel Used	Diesel
Ambient Temperature (°C)	34.0
Meteorological Condition during Monitoring	Clear Sky
Purpose of Monitoring	Regulatory Requirement
Control Measure if Any	Acoustic enclosure
Sampling & Analysis Protocol	IS-4758
Parameter Required	As per work order

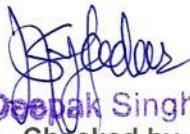
TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Result	Unit
1.	Sound Pressure Level (Open Acoustic Enclosure)	IS: 4758	99.2	dB(A)
2.	Sound Pressure Level (Close Acoustic Enclosure)	IS: 4758	71.8	dB(A)
3.	Insertion Loss	--	27.4	dB(A)

Note: Acoustic enclosure shall be designed for minimum 25 dB (A) insertion loss under the Environment (Protection) Act, 1986

End of Report

Tested by Saini



Deepak Singh
Checked by


Authorized Signatory

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TC-6821

TEST REPORT

Sample Number:	JME/GILCD/PS/01	Report No.:	JME/PS/250717001
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.80 F-04
		Party Reference No.:	Nil
		Reporting Date	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
Sample Description:	POINT SOURCE NOISE-DG SET	Receipt Date	17/07/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Sampling Location	DG Set 2000 KVA (Near CAP Area)
Date of Monitoring	15/07/2025
Time of Monitoring	15:45 to 16:15 Hrs.
Actual duration of Sampling, (minutes)	30.0
Instrument Used	Sound Level Meter
Instrument Code	JME/SLM/01/15
Instrument Calibration Status	Calibrated
Purpose of Monitoring	Regulatory Requirement
Operating Schedule (Hrs./day)	As per Required
Operating Condition at the time of Sampling	On Load
Type of fuel Used	Diesel
Ambient Temperature (°C)	31.0
Meteorological Condition during Monitoring	Clear Sky
Control Measure if Any	Acoustic Enclosure
Sampling Protocol	JMELPL/STOP/04, Issue No.02
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Result	Unit
1.	Sound Pressure Level (Open Acoustic Enclosure)	IS: 4758	99.3	dB(A)
2.	Sound Pressure Level (Close Acoustic Enclosure)	IS: 4758	71.6	dB(A)
3.	Insertion Loss (0.5 m from the acoustic enclosure)	—	27.7	dB(A)
4.	Limit as per CPCB	—	75.0	dB(A)

Note: Acoustic enclosure shall be designed for minimum 25 dB (A) insertion loss under the Environment (Protection) Act, 1986

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Checked by
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TC-6821

TEST REPORT

Sample Number:	JME/GILCD/PS/02	Report No.:	JME/PS/250717002
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.80 F-04
Sample Description:	POINT SOURCE NOISE-DG SET	Party Reference No.:	Nil
		Reporting Date	21/07/2025
		Analysis Completion Date:	21/07/2025
		Analysis Start Date:	17/07/2025
		Receipt Date	17/07/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Sampling Location	DG Set 2000 KVA (Near VAP Area)
Date of Monitoring	15/07/2025
Time of Monitoring	16:40 to 17:10 Hrs.
Actual duration of Sampling, (minutes)	30 minutes
Instrument Used	Sound Level Meter
Instrument Code	JME/SLM/01/15
Instrument Calibration Status	Calibrated
Purpose of Monitoring	Regulatory Requirement
Operating Schedule (Hrs./day)	As per Required
Operating Condition at the time of Sampling	On Load
Type of fuel Used	Diesel
Ambient Temperature (°C)	31.0
Meteorological Condition during Monitoring	Clear Sky
Control Measure if Any	Acoustic Enclosure
Sampling Protocol	JMELPL/STOP/04, Issue No.02
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Result	Unit
1.	Sound Pressure Level (Open Acoustic Enclosure)	IS: 4758	98.4	dB(A)
2.	Sound Pressure Level (Close Acoustic Enclosure)	IS: 4758	70.9	dB(A)
3.	Insertion Loss (0.5 m from the acoustic enclosure)	--	27.5	dB(A)
4.	Limit as per CPCB	--	75.0	dB(A)

Note: Acoustic enclosure shall be designed for minimum 25 dB (A) insertion loss under the Environment (Protection) Act, 1986

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Annexure 18

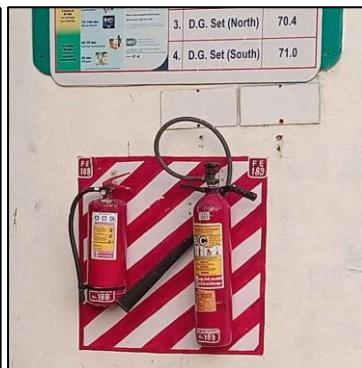
Photographs of Fire Safety Training and Measures

Annexure 18: Firefighting Training and Safety Measures

Firefighting Training



Fire Safety Measures



Annexure 19

Details of Stacks and

Photographs of

OCEMS/CAAQMS

Annexure 19: Details of Stacks and CEMS

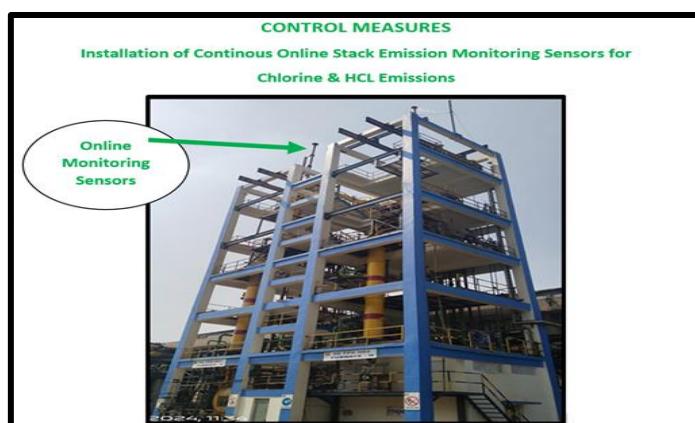
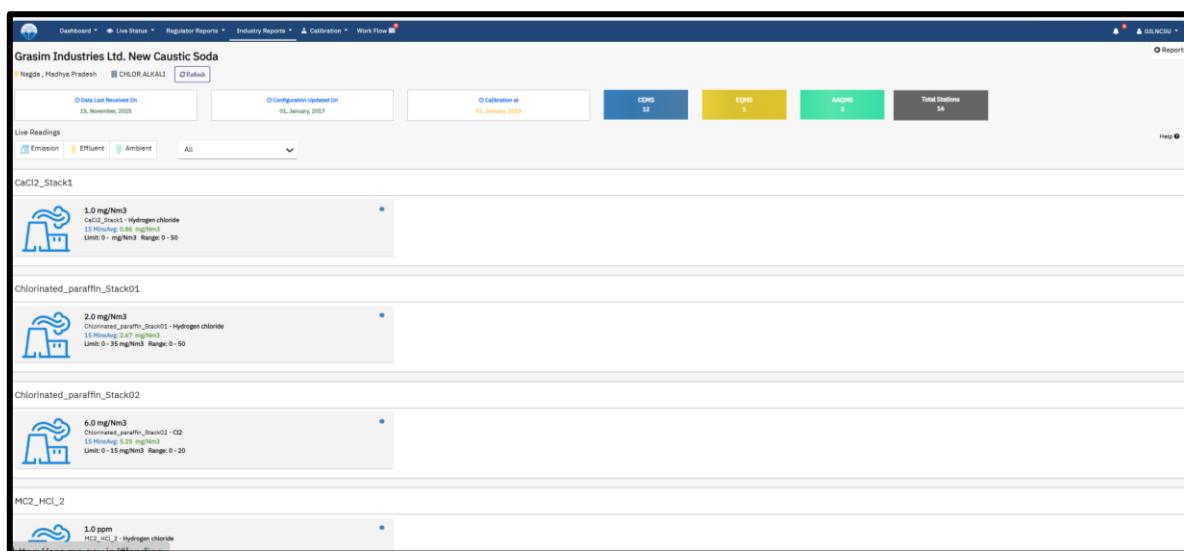
Details of stacks

S. No.	Description of Stacks attached to	Pollutants
1.	Sodium Hypo Stack; Unit 1 Caustic Soda	Cl ₂
2.	HCl Stack; Unit 1 Caustic Soda	HCl
3.	Sodium Hypo Stack; Unit 2 Caustic Soda	Cl ₂
4.	HCl Stack; Unit 2 Caustic Soda	HCl

Stack Pictures



Online CEMS Pictures





Online PTZ Camera at ETP & ZLD



Online Flow meter at ZLD



NARZO 70 Pro 5G
20 November 2025 at 10:41

Annexure 20

Health Safety Training

Photos and Medical Reports

Annexure 20 – Occupational Health and Safety Measures and Medical Fitness Certificates

Medical Camp and Training Pictures

Medical Camp



Health Training – First Aid



Medical Fitness Certificates

FORM 32
Certificate of Fitness
 (Prescribed under Rule 107 of Madhya Pradesh Factory
 Rules, 1962)
 Counterfoil

1. Serial Number
2. Name of person examined
3. Father's name
4. Sex
5. Address.....
6. Name of the factory in which employed/in which wishes to be employed-
Grasim Industries Ltd. Chemical division, Birlagram; Nagda
7. Process of department in which employed/wishes to be employed
Electrical
8. Whether certificate granted
9. Whether declared unfit and certificate refused
10. Reference number of previous certificate granted or refused

Signature of L.T.I. of
Person examined

INDUBHAI PAREKH MEMORIAL HOSPITAL
OF GRASIM JANA SEVA TRUST
BIRLAGRAM, NAGDA

Signature of Certifying Surgeon

CERTIFICATE

Serial Number.....

I certify that I have personally examined..... Upendra Yadav (Name) son of
..... Kanheya Yadav (Father's name) residing at.....
(Address) who is.....desirous of being employed as ..." Grasim Chemical Division,
Nagda" ..(Name of factory) in (Department and process),
and that as nearly as can be ascertained from my examination, is fit / unfit for employment
at the above noted factory.

2. He is fit to be employed and may be employed on some other non-hazardous operations such as.....
3. He may be produced for further examination after a period of.....
4. He is advised following further examination:
.....
.....

5. He is advised following treatment:

6. The serial number of the previous certificate is

Signature of L.T.I. of
Person examined

INDUBHAI PAREKH MEMORIAL HOSPITAL
OF GRASIM JANA SEVA TRUST
Signature of Certifying Surgeon

Note: - (1) The counter file should be retained and maintained by the Certifying Surgeon
(2) The para which does not apply may be cancelled.

FORM 32
Certificate of Fitness
(Prescribed under Rule 107 of Madhya Pradesh Factory
Rules, 1962)
Counterfoil

1. Serial Number
2. Name of person examined
3. Father's name
4. Sex
5. Address.....
6. Name of the factory in which employed/in which wishes to be employed-
Grasim Industries Ltd. Chemical division, Birlagram; Nagda
7. Process of department in which employed/wishes to be employed
.....
Mechanical
8. Whether certificate granted Yes / No
9. Whether declared unfit and certificate refused Yes / No
10. Reference number of previous certificate granted or refused

Signature of L.T.I. of
Person examined

INDUBHAI PAREKH MEMORIAL HOSPITAL
OF GRASIM JANA SEVA TRUST
BIRLAGRAM, NAGDA
F.I.D.

Signature of Certifying Surgeon

CERTIFICATE

Serial Number.....

I certify that I have personally examined..... Mamtajet (Name) son of
..... Bhagwan Ram (Father's name) residing at.....
..... (Address) who is..... desirous of being employed as"Grasim Chemical Division,
..... Nagda" ..(Name of factory) in (Department and process),
and that as nearly as can be ascertained from my examination, is fit / unfit for employment
at the above noted factory.

2. He is fit to be employed and may be employed on some other non-hazardous operations such as.....
3. He may be produced for further examination after a period of.....
4. He is advised following further examination:
.....
.....
.....
5. He is advised following treatment:
.....
6. The serial number of the previous certificate is

Signature of L.T.I. of
Person examined

INDUBHAI PAREKH MEMORIAL HOSPITAL
OF GRASIM JANA SEVA TRUST
BIRLAGRAM, NAGDA

Signature of Certifying Surgeon

Note: - (1) The counter file should be retained and maintained by the Certifying Surgeon
(2) The para which does not apply may be cancelled.

FORM 32
Certificate of Fitness
(Prescribed under Rule 107 of Madhya Pradesh Factory
Rules, 1962)
Counterfoil

1. Serial Number 16181
2. Name of person examined HARESH MONDADIA
3. Father's name VALJI BHAI
4. Sex M
5. Address Nagda
6. Name of the factory in which employed/in which wishes to be employed-
Grasim Industries Ltd. Chemical division, Birlagram; Nagda
7. Process of department in which employed/wishes to be employed
M.C.T
8. Whether certificate granted YES
9. Whether declared unfit and certificate refused NO
10. Reference number of previous certificate granted or refused -


Signature of L.T.I. of

Person examined

INDUBHAI PAREKH MEMORIAL HOSPITAL
OF GRASIM JANA SEVA TRUST
BIRLAGRAM, NAGDA

Signature of Certifying Surgeon

CERTIFICATE

Serial Number.....

I certify that I have personally examined Harsh Mondia (Name) son of
Valji Bhai (Father's name) residing at
(Address) who is desirous of being employed as "Grasim Chemical Division,
Nagda" ..(Name of factory) in (Department and process),
and that as nearly as can be ascertained from my examination, is **fit** / unfit for employment
at the above noted factory.

2. He is fit to be employed and may be employed on some other non-hazardous
operations such as
3. He may be produced for further examination after a period of
4. He is advised following further examination:
.....
.....
5. He is advised following treatment:
6. The serial number of the previous certificate is


Signature of L.T.I. of

Person examined

INDUBHAI PAREKH MEMORIAL HOSPITAL
OF GRASIM JANA SEVA TRUST
BIRLAGRAM, NAGDA

Signature of Certifying Surgeon

Note: - (1) The counter file should be retained and maintained by the Certifying Surgeon
(2) The para which does not apply may be cancelled.

Annexure 21

Last EC Compliance

Submission Receipt

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

Proposal No	IA/MP/IND2/26969/2015
Compliance ID	127582206
Compliance Number(For Tracking)	EC/M/COMPLIANCE/127582206/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	28-05-2025
RO/SRO Name	Shri Ashok Kumar Sinha
RO/SRO Email	tg035@ifs.nic.in
State	MADHYA PRADESH
RO/SRO Office Address	Integrated Regional Offices, Bhopal

Note:- SMS and E-Mail has been sent to Shri Ashok Kumar Sinha, MADHYA PRADESH with Notification to Project Proponent.

Annexure 22

3D Modelling Report for Risk Management and Mitigation Measures

QRA STUDY FOR GRCD - NAGDA

QRA Study Report

Grasim Industries Limited

Report no.: 2377513-QRA-01, Rev. 0

Document no.: 2377513

Date: 2025-06-19



Annexure 23

Photographs of Parking Space

Annexure 23: Parking Photographs



Annexure 24

**Approval Letter by Chief
Wildlife Warden and Cheque
Furnished for Wildlife
Conservation**



Date: 29.12.2022

Ref. No.: 1850/Env/SFD/DFO/PCP

To

**Principal Chief Conservator of Forest,
Pragati Bhavan, Bhopal Vikas Pradhikarn,
3rd Floor, MP Nagar, Bhopal, Madhya Pradesh**

Subject: Wild Life Conservation Plan - Expansion project of Viscose Staple fiber Division and Chemical Division at village: Mehatwas, Birlagram, Tehsil: Nagda, District: Ujjain, Madhya Pradesh of M/s. Grasim Industries Limited (Staple Fiber Division)-

Reference: 1. Our letter number ENV/SFD/DFO/PCP/1315 dated 01/11.2018
2. Your Letter No. 7157 dated 09.10.2019.
3. Our letter number 1929A/Env/SFD/DFO/PCP dated 05.10.2022
4. Your letter number 9610 dated 13/12/2022 from Principal Chief Conservator of Forests

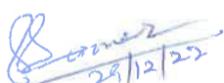
Respected Sir,

Thanks for your early response regarding payment for the conservation of Peacock bird within 10 KM radius around project expansion project as committed in wild life conservation plan.

In reference to the aforesaid subject and reference letters dated 13.12.2022, please find the enclosed the cheque of HDFC Bank drawn in favor of "MP Tiger Foundation Society 10571048460" having cheque number 400240015 dated 27.12.2022 amounting to Rs. 24,20,000 (Rupees twenty-four lacs twenty thousand only) towards Wild life conservation plan submitted for a period of 10 years for the expansion projects of **Grasim Viscose Staple Fiber Division and Grasim Chemical Division** at village: Mehatwas, Birlagram, Tehsil: Nagda.

Hope you find this in order.

Thanking you


Sachin Samar

Vice President (Environment)

CC: 1. Divisional Forest Officer, General Forest Division, Ujjain, Madhya Pradesh

2. Grasim Chemical Division, Nagda, MP

Grasim Industries Limited

Staple Fibre Division

Birlagram - 456 331, Nagda (M.P.) INDIA Tele: +91 7366 246760-64 Fax: +91 7366 246024, 244114

CIN : L17124MP1947PLC000410 Website : www.adityabirla.com E-mail : grasim-sfd.nagda@adityabirla.com

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



Annexure 25

Calibration Certificates



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : HCL Analyzer, Model: **MIR 9000**, Sr. No.: **2978**

Analyzer Location: **MC-I UNIT -OLD**

This is to certify that the calibration test is carried out on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **HCL - 49 PPM**
2. Readings observed on Analyzer : **HCL - 48 PPM**
3. Span factors on the Analyzer : **New HCL - 0.5**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **HCL-10 Ltr. -CSL-26819 - 49 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-43150 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards, The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : HCL Analyzer, Model: **MIR 9000** , Sr. No.: **3397**

Analyzer Location: **MC-I UNIT -NEW**

This is to certify that the calibration test is carried out on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **HCL - 49 PPM**
2. Readings observed on Analyzer : **HCL - 40 PPM**
3. Span factors on the Analyzer : **New HCL - 0.7**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **HCL-10 Ltr. -CSL-26819 - 49 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-43150 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : HCL Analyzer, Model: **MIR 9000** , Sr. No.: **3378**

Analyzer Location: **MC-II UNIT -NEW**

This is to certify that the calibration test is carried out on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **HCL - 49 PPM**
2. Readings observed on Analyzer : **HCL - 47 PPM**
3. Span factors on the Analyzer : **New HCL - 0.4**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **HCL-10 Ltr. -CSL-26819 - 49 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-43150 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : HCL Analyzer, Model: **MIR 9000** , Sr. No.: **3678**

Analyzer Location: **CPW UNIT**

This is to certify that the calibration test is carried out on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **HCL - 49 PPM**
2. Readings observed on Analyzer : **HCL - 51 PPM**
3. Span factors on the Analyzer : **New HCL - 1.123**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **HCL-10 Ltr. -CSL-37124 - 49 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-35648 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : HCL Analyzer, Model: **MIR 9000** , Sr. No.: **4191**

Analyzer Location: **CACL2 UNIT**

This is to certify that the calibration test is carried out on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **HCL - 49 PPM**
2. Readings observed on Analyzer : **HCL - 49 PPM**
3. Span factors on the Analyzer : **New HCL - 0.5**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **HCL-10 Ltr. -CSL-37124 - 49 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-43150 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : HCL Analyzer, Model: **MIR 9000** , Sr. No.: **4198**

Analyzer Location: **PAC UNIT**

This is to certify that the calibration test is carried out on on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **HCL - 49 PPM**
2. Readings observed on Analyzer : **HCL - 45 PPM**
3. Span factors on the Analyzer : **New HCL - 0.921**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **HCL-10 Ltr. -CSL-37124 - 49 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-26865 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : CL2 Analyzer, Model: **MIR 9000**, Sr. No.: 3014

Analyzer Location: MC-I UNIT

This is to certify that the calibration test is carried out on on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **CL2 - 9.5 PPM**
2. Readings observed on Analyzer : **CL2 - 10 PPM**
3. Span factors on the Analyzer : **New CL2 - 0.5**
4. MUX signal : OK
5. Span : OK
6. Zero : OK
7. SPAN CYLINDER DETAILS: **CL2-10 Ltr. -CSL-26768 - 9.5 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-35648 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : CL2 Analyzer, Model: **MIR 9000**, Sr. No.: 3017

Analyzer Location: **MC-II OLD UNIT**

This is to certify that the calibration test is carried out on on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **CL2 - 9.5 PPM**

2. Readings observed on Analyzer : **CL2 - 7.8 PPM**

3. Span factors on the Analyzer : **New CL2 - 1.01**

4. MUX signal : OK

5. Span : OK

6. Zero : OK

7. SPAN CYLINDER DETAILS: **CL2-10 Ltr. -CSL-26768 - 9.5 PPM**

8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-35648 -99.999%**

9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : **CL2 Analyzer, Model: MIR 9000** , Sr. No.: 3722

Analyzer Location: **CPW UNIT**

This is to certify that the calibration test is carried out on on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **CL2 - 9.5 PPM**
2. Readings observed on Analyzer : **CL2 - 9 PPM**
3. Span factors on the Analyzer : **New CL2 - 0.937**
4. MUX signal : OK
5. Span : OK
6. Zero : OK
7. SPAN CYLINDER DETAILS: **CL2-10 Ltr. -CSL-26768 - 9.5 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-35648 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : **CL2 Analyzer, Model: MIR 9000** , Sr. No.: 4197

Analyzer Location: **SBP 1ST PHASE UNIT**

This is to certify that the calibration test is carried out on on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **CL2 - 9.5 PPM**
2. Readings observed on Analyzer : **CL2 - 9.0 PPM**
3. Span factors on the Analyzer : **New CL2 - 0.525**
4. MUX signal : **OK**
5. Span : **OK**
6. Zero : **OK**
7. SPAN CYLINDER DETAILS: **CL2-10 Ltr. -CSL-26768 - 9.5 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-35648 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**



CALIBRATION TEST CERTIFICATE

Customer : GRASIM CHEMICAL DIVISION

Location : GRASIM-NAGDA

Analyzer : CL2 Analyzer, Model: **MIR 9000** , Sr. No.:4183

Analyzer Location: SBP 3RD PHASE UNIT

This is to certify that the calibration test is carried out on on **31/10/2025** as detailed below.

1. Calibration standard applied to Analyzer: **CL2 - 9.5 PPM**
2. Readings observed on Analyzer : **CL2 - 9.1 PPM**
3. Span factors on the Analyzer : **New CL2 - 0.689**
4. MUX signal : OK
5. Span : OK
6. Zero : OK
7. SPAN CYLINDER DETAILS: **CL2-10 Ltr. -CSL-26768 - 9.5 PPM**
8. ZERO CYLINDER DETAILS: **N2- 47 Ltr.- CSL-35648 -99.999%**
9. CALIBRATION VALIDITY: **06 MONTHS**

I hereby certify that the above instrument has been calibrated using reference standards traceable to national ENVEA standards , The analyzer is confirmed to be working satisfactorily. No immediate service or maintenance is required.

For, ENVEA India Pvt. Ltd.



**MR. KARTIK JOSHI
(AUTHORISED SIGNATORY)**

Annexure 26

Photographs of Ambient Air Quality Monitoring Station

Annexure 26: Ambient Air Quality Monitoring Station

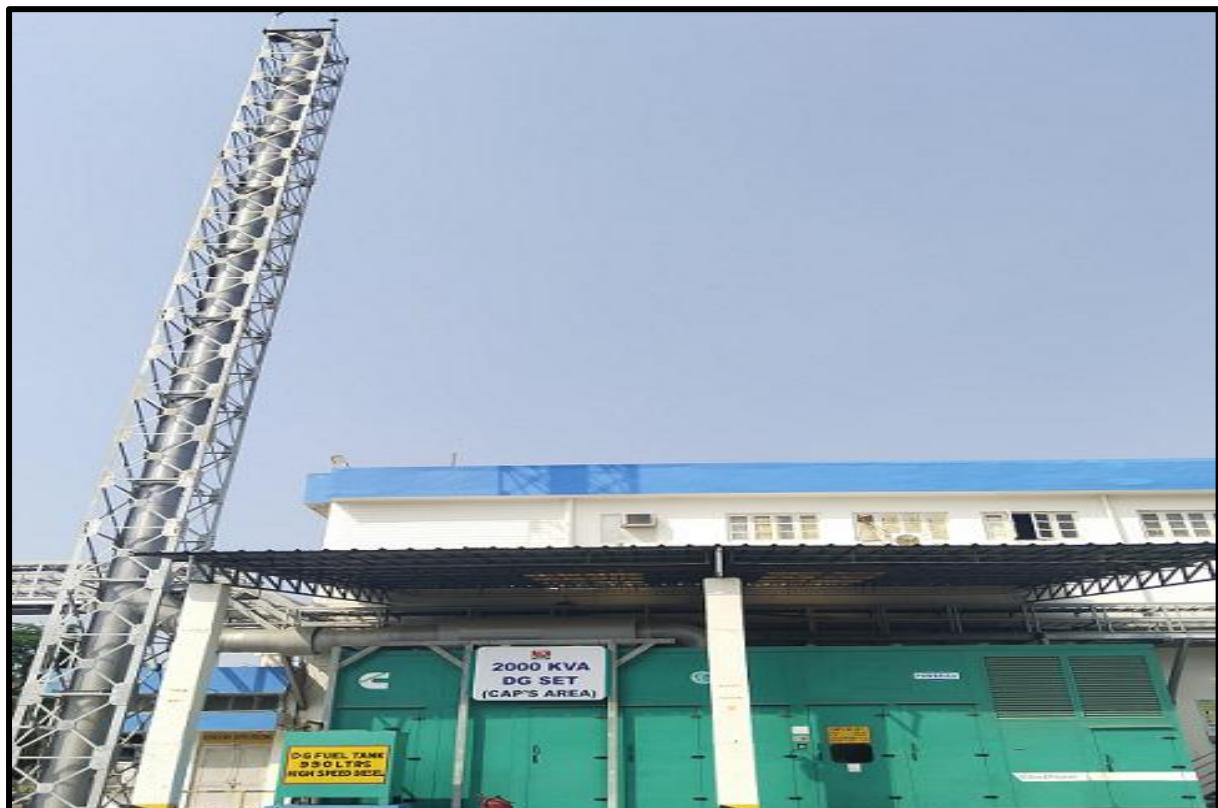


Annexure 27

Photographs of DG Set

Acoustic Enclosure

Annexure 27: DG Set Acoustic Enclosure Pictures



Acoustic Enclosure of DG set

Annexure 28

Ambient Noise Monitoring

Reports



30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/AN/01	Report No.:	JME/AN/250421001
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.5 F-04
Sample Description:	AMBIENT NOISE LEVEL MONITORING	Party Ref. No.	Nil
		Reporting Date:	25/04/2025
		Analysis Completion Date	25/04/2025
		Analysis Start Date	21/04/2025
		Receipt Date:	21/04/2025

General Information

Client Representative (Name &Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample collected by	: JMELPL Team
Sampling Location	: ZLD (Near RO Plant)
Latitude	: 23°26' 31.0" N
Longitude	: 75°24' 34.0" E
Instrument used	: Sound Level Meter
Instrument code	: JME/SLM/02/01
Instrument calibration status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 14/04/2025 to 15/04/2025
Time of Monitoring	: 06:00 to 06:00 Hrs.
Actual duration of Monitoring, (minutes)	: 24 Hrs.
Ambient Temperature (°C)	: Max 35°C, Min 23°C
Surrounding activity	: Human & Vehicular Activities
Sampling & Analysis Protocol	: IS-9989 and CPCB Guidelines
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	69.3	62.7	dB(A)
2.	Lmin	IS-9989	54.9	50.2	dB(A)
3.	Leq	IS-9989	63.4	54.9	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial area)	--	75.0	70.0	dB(A)

End of Report

Ritika Saini
Tested by

Abhishek Tiwari
Checked by

ENVIROLAB PVT. LTD.
Authorised Signatory
Sita Ram Yadav
Authorized Signatory

Note:

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after retention time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)



30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No. :U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/WN/02	Report No.:	JME/AN/250421002
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.5 F-04
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Party Ref. No.	Nil
		Reporting Date:	25/04/2025
		Analysis Completion Date	25/04/2025
		Analysis Start Date	21/04/2025
		Receipt Date:	21/04/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample collected by	JMEPL Team
Sampling Area	Poly Aluminum Chloride Plant
Date of Monitoring	15/04/2025 to 16/04/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument used	Sound Level Meter
Instrument code	JME/SLM/02/01
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Ambient Temperature (°C)	Max 35°C, Min 24°C
Surrounding Activity	PAC Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control measure if any	--
Sampling & Analysis Protocol	IS-9989 and CPCB Guidelines
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Test Results
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near Godown area	IS: 9989	66.5	63.4	dB(A)
2.	Near PAC Control Room	IS: 9989	69.3	59.9	dB(A)
3.	Near Mechanical Workshop	IS: 9989	71.1	61.5	dB(A)
4.	Near Bleed Water Tank (Liquid Plant)	IS: 9989	68.5	60.3	dB(A)
5.	Near Cooling Tower Area	IS: 9989	72.9	62.4	dB(A)

End of Report

Ritika Saini
Tested by

Abhishek Tiwari
Checked by

Sita Ram Yadav
Authorized Signatory

Note:

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after retention time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)



30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No. :U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/WN/03	Report No.:	JME/AN/250421003
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.5 F-04
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Party Ref. No.	Nil
		Reporting Date:	25/04/2025
		Analysis Completion Date	25/04/2025
		Analysis Start Date	21/04/2025
		Receipt Date:	21/04/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample collected by	JMEPL Team
Sampling Area	Calcium Chloride Plant
Date of Monitoring	16/04/2025 to 17/04/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument used	Sound Level Meter
Instrument code	JME/SLM/02/01
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Ambient Temperature (°C)	Max 34°C, Min 23°C
Surrounding Activity	Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control measure if any	--
Sampling & Analysis Protocol	IS-9989 and CPCB Guidelines
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Test Results
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near Control Room	IS: 9989	64.0	57.6	dB(A)
2.	Near Storage Tank	IS: 9989	66.5	58.4	dB(A)
3.	Near Slurry Area (Sludge Area)	IS: 9989	72.9	60.8	dB(A)
4.	Near Ware House (Godown)	IS: 9989	67.1	56.3	dB(A)
5.	Near Cooling Tower	IS: 9989	71.5	61.7	dB(A)

End of Report



Rinku Saini
Tested by



Abhishek Tiwari
Checked by



S. Ram Yadav
Authorized Signatory

Note:

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30 years of success

J. M. ENVIROLAB PVT. LTD.

CIN No.: U74220HR2011PTC085756

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/WN/04	Report No.:	JME/AN/250421004
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.5 F-04
		Party Ref. No.	Nil
		Reporting Date:	25/04/2025
		Analysis Completion Date	25/04/2025
		Analysis Start Date	21/04/2025
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Receipt Date:	21/04/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample collected by	JMEPL Team
Sampling Area	Stable Bleaching Powder Plant
Date of Monitoring	17/04/2025 to 18/04/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument used	Sound Level Meter
Instrument code	JME/SLM/02/01
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Ambient Temperature (°C)	Max 36°C, Min 23°C
Surrounding Activity	Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control measure if any	--
Sampling & Analysis Protocol	IS-9989 and CPCB Guidelines
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Test Results
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near SBP Ware House I (Near Drum)	IS: 9989	64.1	52.3	dB(A)
2.	Near SBP Ware House II (Near Drum)	IS: 9989	65.6	51.7	dB(A)
3.	Near Mechanical Workshop	IS: 9989	62.1	48.4	dB(A)
4.	Near Cooling Tower (1 st Phase)	IS: 9989	71.6	60.5	dB(A)
5.	Near Cooling Tower (2 nd Phase – Near Roadside)	IS: 9989	70.9	62.2	dB(A)

End of Report



Pritika Saini
Tested by



Abhishek Tiwari
Checked by



Sita Ram Sadav
Authorized Signatory

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J.M. ENVIROLAB PVT. LTD.

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/GILCD/WN/05	Report No.:	JME/AN/250421005
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.5 F-04
		Party Ref. No.:	Nil
		Reporting Date:	25/04/2025
		Analysis Completion Date	25/04/2025
		Analysis Start Date	21/04/2025
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Receipt Date:	21/04/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample collected by	JMEPL Team
Sampling Area	Chlorinated Paraffin
Date of Monitoring	18/04/2025 to 19/04/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument used	Sound Level Meter
Instrument code	JME/SLM/01/09
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Ambient Temperature (°C)	Max 35°C, Min 24°C
Surrounding Activity	Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control measure if any	--
Sampling & Analysis Protocol	IS-9989 and CPCB Guidelines
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Test Results
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
6.	Near C. P. Loading Area	IS: 9989	70.9	61.2	dB(A)
7.	Near Tank Area	IS: 9989	61.8	48.4	dB(A)
8.	Near Cooling Tower	IS: 9989	70.6	63.5	dB(A)
9.	Near Ware House	IS: 9989	62.0	51.3	dB(A)
10.	Plant Area (1 st Floor)	IS: 9989	72.3	60.9	dB(A)

End of Report

Rituika Saini
Tested by

Abhishek Tiwari
Checked by

ENVIROLAB PVT. LTD.
Authorised Signatory
Rituika Saini
Authorized Signatory

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Gurugram-122011(Haryana)



TEST REPORT

Sample Number:	JME/GILCD/AN/04	Report No.:	JME/AN/250718004
Name & Address of Unit	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.8 F-04
		Party Ref. No.	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date	21/07/2025
Sample Description:	AMBIENT NOISE LEVEL MONITORING	Analysis Start Date	18/07/2025
		Receipt Date:	18/07/2025

General Information

Client Representative (Name & Designation)	: Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	: Mr. Kamal Kumar (Sr. Manager)
Sampling Location	: ZLD (Near RO Plant)
Latitude	: 23°26' 31.0" N
Longitude	: 75°24' 34.0" E
Instrument Used	: Sound Level Meter
Instrument Code	: JME/SLM/01/09
Instrument Calibration Status	: Calibrated
Meteorological Condition During Monitoring	: Clear Sky
Date of Monitoring	: 14/07/2025 to 15/07/2025
Time of Monitoring	: 06:00 to 06:00 Hrs.
Actual duration of Monitoring	: 24 Hrs.
Ambient Temperature (°C)	: Max 33°C, Min 27°C
Surrounding Activity	: Human & Vehicular Activities
Sampling Protocol	: JMEPL/STOP/04, Issue No. 2
Parameter Required	: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	L _{max}	IS-9989	68.1	62.7	dB(A)
2.	L _{min}	IS-9989	53.9	49.5	dB(A)
3.	L _{eq}	IS-9989	64.3	55.1	dB(A)
4.	CPCB Limits in dB(A) L _{eq} (Industrial area)	--	75.0	70.0	dB(A)

Page No. 1 of 1

Checked by
Deepak Singh Yadav

Reviewed & Authorized by
Shri Ram Yadav

Note:

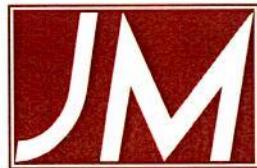
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TEST REPORT

Sample Number:	JME/GILCD/WN/05	Report No.:	JME/WN/250718005
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.8 F-04
		Party Ref. No.:	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date	21/07/2025
		Analysis Start Date	18/07/2025
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Receipt Date:	18/07/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Sampling Area	Poly Aluminum Chloride Plant
Date of Monitoring	15/07/2025 to 16/07/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument Used	Sound Level Meter
Instrument Calibration Status	Calibrated
Meteorological Condition During Monitoring	Clear Sky
Ambient Temperature (°C)	Max 32°C, Min 26°C
Surrounding Activity	PAC Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control Measure if any	--
Sampling Protocol	JMELPL/STOP/04, Issue No. 2
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near Godown Area	JMELPL/STOP/08	66.3	62.7	dB(A)
2.	Near PAC Control Room	JMELPL/STOP/08	67.0	57.3	dB(A)
3.	Near Mechanical Workshop	JMELPL/STOP/08	69.4	59.5	dB(A)
4.	Near Bleed Water Tank (Liquid Plant)	JMELPL/STOP/08	66.1	60.8	dB(A)
5.	Near Cooling Tower Area	JMELPL/STOP/08	68.9	61.4	dB(A)

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Deepak Singh Yadav



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Sita Ram Yadav

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TEST REPORT

Sample Number:	JME/GILCD/WN/01	Report No.:	JME/WN/250718001
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.8 F-04
		Party Ref. No.:	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date	21/07/2025
		Analysis Start Date	18/07/2025
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Receipt Date:	18/07/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Sampling Area	Calcium Chloride Plant
Date of Monitoring	08/07/2025 to 09/07/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument Used	Sound Level Meter
Instrument Calibration Status	Calibrated
Meteorological Condition During Monitoring	Clear Sky
Ambient Temperature (°C)	Max 35°C, Min 26°C
Surrounding Activity	Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control Measure if any	--
Sampling Protocol	JMELPL/STOP/04, Issue No. 2
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near Control Room	JMELPL/STOP/08	62.0	56.4	dB(A)
2.	Near Storage Tank	JMELPL/STOP/08	65.6	57.2	dB(A)
3.	Near Slurry Area (Sludge Area)	JMELPL/STOP/08	70.7	59.6	dB(A)
4.	Near Ware House (Godown)	JMELPL/STOP/08	66.2	55.9	dB(A)
5.	Near Cooling Tower	JMELPL/STOP/08	69.5	60.1	dB(A)

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TC-6821

TEST REPORT

Sample Number:	JME/GILCD/WN/02	Report No.:	JME/WN/250718002
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.8 F-04
		Party Ref. No.:	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date	21/07/2025
		Analysis Start Date	18/07/2025
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Receipt Date:	18/07/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Sampling Area	Stable Bleaching Powder Plant
Date of Monitoring	09/07/2025 to 10/07/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument Used	Sound Level Meter
Instrument Calibration Status	Calibrated
Meteorological Condition During Monitoring	Clear Sky
Ambient Temperature (°C)	Max 29°C, Min 26°C
Surrounding Activity	Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control Measure if any	--
Sampling Protocol	JMELPL/STOP/04, Issue No. 2
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near SBP Ware House I (Near Drum)	JMELPL/STOP/08	62.8	51.3	dB(A)
2.	Near SBP Ware House II (Near Drum)	JMELPL/STOP/08	64.1	52.7	dB(A)
3.	Near Mechanical Workshop	JMELPL/STOP/08	60.3	50.4	dB(A)
4.	Near Cooling Tower (1 st Phase)	JMELPL/STOP/08	67.6	59.3	dB(A)
5.	Near Cooling Tower (2 nd Phase – Near Roadside)	JMELPL/STOP/08	58.2	61.9	dB(A)

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Deepak Singh Yadav



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TC-6821

TEST REPORT

Sample Number:	JME/GILCD/WN/03	Report No.:	JME/WN/250718003
Name & Address of Unit:	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda-456331, Madhya Pradesh	Format No.:	7.8 F-04
		Party Ref. No.	Nil
		Reporting Date:	21/07/2025
		Analysis Completion Date	21/07/2025
		Analysis Start Date	18/07/2025
Sample Description:	WORK PLACE NOISE LEVEL MONITORING	Receipt Date:	18/07/2025

General Information

Client Representative (Name & Designation)	Mr. Vijay Ajmera (Manager- EHS)
Sample Collected by (Name & Designation)	Mr. Kamal Kumar (Sr. Manager)
Sampling Area	Chlorinated Paraffin Plant
Date of Monitoring	10/07/2025 to 11/07/2025
Time of Monitoring	06:00 to 06:00 hrs.
Instrument Used	Sound Level Meter
Instrument Calibration Status	Calibrated
Meteorological Condition During Monitoring	Cloudy sky and Light Rainfall
Ambient Temperature (°C)	Max 30°C, Min 25°C
Surrounding Activity	Plant Operation, Human & Vehicular Activities
Scope of Monitoring	Regulatory Requirement
Control Measure if any	--
Sampling Protocol	JMELPL/STOP/04, Issue No. 2
Parameter Required	As per work order

TEST RESULTS

S. No.	Location	Testing Protocol	Test Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Near C. P. Loading Area	JMELPL/STOP/08	69.6	60.2	dB(A)
2.	Near Tank Area	JMELPL/STOP/08	60.4	51.7	dB(A)
3.	Near Cooling Tower	JMELPL/STOP/08	68.0	62.2	dB(A)
4.	Near Ware House	JMELPL/STOP/08	61.6	50.9	dB(A)
5.	Plant Area (1 st Floor)	JMELPL/STOP/08	70.8	59.5	dB(A)

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Checked by
Deepak Singh Yadav



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Annexure 29

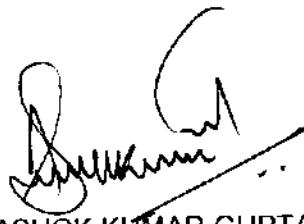
Emergency Preparedness/ Disaster Management Plan

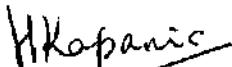


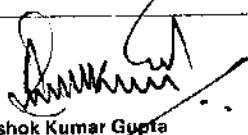
GRASIM INDUSTRIES LIMITED
CHEMICAL DIVISION
BIRLAGRAM, NAGDA (M.P.)

VERIFICATION OF ON - SITE EMERGENCY CONTROL PLAN

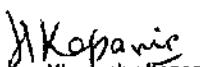
The information furnished in the documents on the subject has been verified by me by signing each page and is submitted seeking modification / suggestions from your office to make the document viable. I also assure that I will immediately review and amend the document and seek your consent before any change in the plant, machinery, building, structure, substances, storages and manufacturing process is intended or surwise after atleast every period of twenty-four months from this date until the factory, (for any reason), is not closed for ever. In later case it will be our's liability to inform closure of the factory to your office and dispose off all hazardous substance / material of the factory in such a manner rendering those safe for the life and environment.


ASHOK KUMAR GUPTA
FACTORY MANAGER


HIMANSHU KAPANIA
OCCUPIER
GRASIM INDUSTRIES LIMITED
CHEMICAL DIVISION
BIRLAGRAM, NAGDA (M.P.)


Ashok Kumar Gupta
Factory Manager

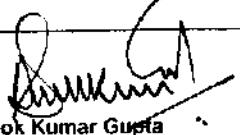
GRASIM INDUSTRIES LIMITED
CHEMICAL DIVISION


Himanshu Kapania
Occupier

ON-SITE EMERGENCY CONTROL PLAN

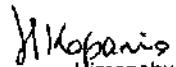
**GRASIM INDUSTRIES LIMITED-CHEMICAL DIVISION
P.O. BIRLAGRAM, NAGDA (M.P.)**

**LICENCE NO:
04/13858/UJN/2m(i)/MAH/Integrated**



Ashok Kumar Gupta
Factory Manager

GRASIM INDUSTRIES LIMITED
CHEMICAL DIVISION

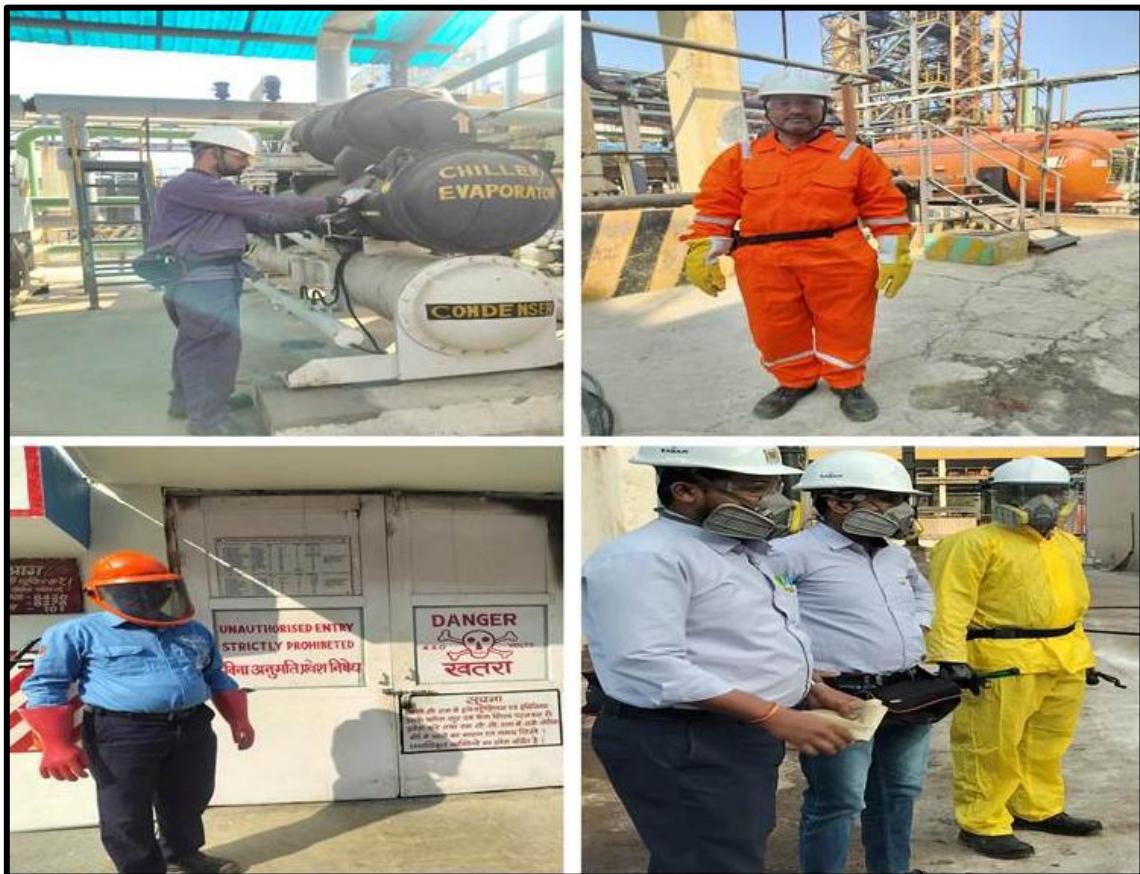


Himanshu Kapania
Occupier

Annexure 30

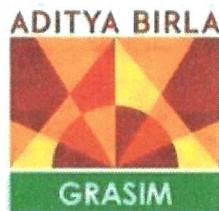
Photographs of PPE use

Annexure 30: Photographs showing PPE use



Annexure 31

Environment Policy



ENVIRONMENT POLICY

Grasim Industries Limited ("Grasim" or "the Company") is in the business of production of Pulp & Fibre, Textiles, Chemicals, Paints, Insulators and B2B E-Commerce, among others. Grasim is a value driven organisation with Integrity, Commitment, Passion, Seamlessness, and Speed. Our Group Purpose is to "Enrich lives, by building dynamic and responsible businesses and institutions, that inspire trust. Our Group Purpose and values form the foundation for all actions and decisions within our business. Grasim acknowledges the significance of effective environmental management as a cornerstone of its business. The Company is committed to integrating sound business practices across its management and governance systems to minimise environmental impact and achieve a leadership position in environmental stewardship.

We have established a robust management framework to oversee both our involvement in climate advocacy and our engagements as members of trade associations. Notably, we have forged significant partnerships with esteemed associations that advocate critical goals such as decarbonization and the achievement of Net Zero emissions, both of which closely align with our targets.

Applicability: This Policy shall apply to all businesses of Grasim and shall be adopted by all sites and offices owned, controlled, and managed by Grasim.

Oversight: All the Business Heads are responsible for implementing the policy at their respective sites

Grasim is committed to sustainable development, reflecting its dedication to environmental preservation and responsible business practices, we continue to

- Adopt higher standards, foster innovation, and uphold values beyond what is mandated beyond mere compliance with relevant regulatory and legal requirements.
- Align with the widely known UN Sustainable Development Goals (SDG).
- Develop, implement, and maintain an internationally accepted environmental management system in our operations and new projects.
- Prioritise initiatives aimed at continual improvement and environmental protection, including pollution reduction and prevention, biodiversity enhancement and conservation, and the efficient use of natural resources and energy in alignment with international standards and best practices to ensure our operations are environmentally responsible and sustainable.
- Follow waste management hierarchy – Reduce, Reuse, Recycle, Energy recovery. Treatment & Disposal of waste and Implement strategies to promote circular economy and to conserve natural resources such as water, energy, and raw material throughout our operations by reducing

consumption. This is effective in promoting waste reduction and recycling measures to minimise environmental impact.

- Improve the environmental performance of products by implementing strategies and technology solutions to conserve natural resources, encouraging research and development to identify innovative ways to avoid, minimise, and mitigate adverse environmental impacts, and focusing on developing sustainable new products and production methods with reduced lower carbon and environmental impacts.
- Recognise and act on the urgent need to address climate change and with the objective of reducing environmental impact. This involves taking proactive steps to decrease our greenhouse gas and non-greenhouse gas air emissions by setting targets for emission reduction and other environmental focus areas. Additionally, to invest in measures to improve environmental conditions, such as investing in renewable energy sources, and promoting operational eco-efficiency, including energy efficiency, throughout our operations.
- Acknowledge the importance of preserving biodiversity and ecosystems and work to minimise our impact on habitats and species through responsible land use practices, habitat restoration efforts, and biodiversity conservation initiatives.
- Align our supply chain across businesses to adopt Grasim's environmental policy and practices, promote responsible sourcing, reduce the environmental impact of transportation, and foster transparency and accountability in supplier relationships.
- Enhance environmental awareness of environmental management policy and environmental impacts through participation and consultation with internal and external stakeholders by training and maintaining effective channels of communication.
- Monitor, measure, and report the progress on the performance of environmental conservation and management initiatives, including environmental risks and issues, in compliance with internationally recognised protocols and communicate approach and achievements to relevant stakeholders.
- Undertake internal and third-party audits at regular intervals to assess environmental performance and conduct due diligence during mergers and acquisitions.
- Raise environmental awareness at all levels of our operations, through training and effective communication, participation and consultation.
- Communicate this Policy within the Organisation. Develop and follow an appropriate communication framework to engage with all relevant stakeholders to ensure compliance.

This policy will be reviewed periodically for its suitability and updated as necessary.



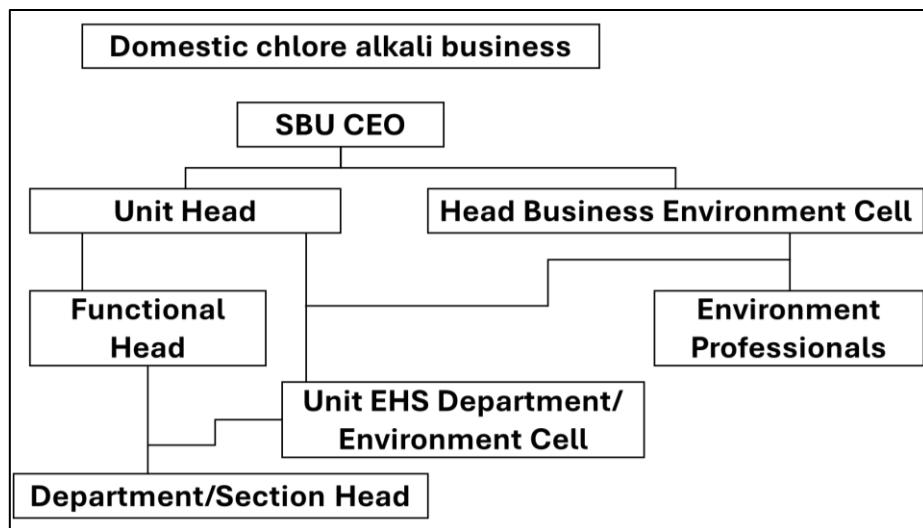
Harikrishna Agarwal
Managing Director, Grasim Industries Limited
22nd May 2024

Annexure 32

Environment Management

Cell Structure

Annexure 32: Environment Management Cell Hierarchy



Annexure 33

Environment Audit Report

Conclusion Page

CHAPTER - 4

CONCLUSION

4.1 CONCLUSION:

The findings given in this report area based on the review of documents and data provided to the team, site visits of different sections of plant and interactions with plant personnel.

Some Observations for Environment Part have been recorded in the different areas during audit. Observations have been categorized on the basis of their direct/indirect impact on the Business, Environment and human Health.

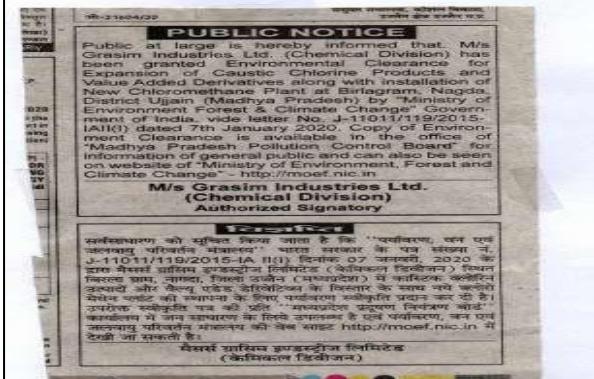
The overall environmental management of the plant is good but there is a scope for further improvement. The current good practices can be formalized and a framework can be setup for monitoring and implementation of the action plans for continuous improvement in the management system.

Annexure 34

**Photographs of Newspaper
Clips**

Annexure 34: Newspaper Clips

Dainik Bhaskar, dt. 16/11/2020



Patrik Š. 16/11/2020



Annexure 35

**Photographs of Display
Board**

Annexure 35: Photograph of Display Board

