**Ref No: Ref No: ABG/GIL /2026-27/62** **Date: 26.10.2026**

**To,**
**The Additional Principal Chief Conservator of Forest**
**Minister of environment, Forest and Climate Change**
**4th Floor E & F wing, Kendriya Sadan**
**17th Main road, 2nd Block Road Koramangala**
**Benagluru – 560 034.**

**Subject:** Submission of Pointwise Compliance to Environmental Clearance Conditions for the period April 2026 to September 2026- Reg

**Reference:** 1. Environmental Clearance No. SEIAA/48/IND/2021 dated 11/04/2022
2. Consent for Operation No. AW-342557 dated 20/03/2024, Valid upto 30/06/2028

**Dear Sir/ Madam,**

With reference to the above subject, under Environmental Protection Act 1986, submitting half yearly pointwise compliance report to Environmental Clearance conditions for the period **April 2026 to September 2026.** This is for your kind information & perusal.

Kindly acknowledge the receipt of letter along with Annexure.

Thanking You.

**Yours's Sincerely,**

**G Breedh Kumar**
**Senior General Manager & Site Head - Chamarajanagar**
**Authorized Signatory**
**For Grasim Industries Ltd (Birla Paints Division).**

## POINTWISE ENVIRONMENTAL CLEARANCE [EC NO. EC22B023KA154511] CONDITIONS ISSUED TO M/S GRASIM INDUSTRIES LIMITED.

| # | EC COMPLIANCE DESCRIPTION | STATUS UPDATE |
|---|---|---|
| **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. | The land is allotted by KIADB and is in Notified industrial area, hence not applicable. |
| II | The project proponent shall obtain clearance from the National Board for wildlife. If applicable | The land is allotted by KIADB and is in Notified industrial area, hence not 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-I species in the study area) | The project has obtained approval for the Wildlife Conservation Plan from forest department.<br><br>The Company has also deposited the prescribed conservation fund to BRT Tiger Conservation Foundation (Account No. 520141001634399) on 14.07.2026 towards the implementation of the approved Conservation Plan activities. |
| IV | The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, l981 and the Water (Prevention & Control of Pollution) Act, 1974 from the conceded State Pollution Control Board/Committee | Complied<br><br>CTE granted by KSPCB Document No.: KSPCB/Consent/: 331600 Dated:04/06/2022.<br><br>CFO granted by KSPCB Document No.: AW-342557 Dated: 20/03/2024 is attached as **Annexure - I** |
| V | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time. | Complied<br><br>Hazardous & Other Waste Authorization granted by KSPCB, Document No: 343665 Dated:13/06/2024 attached as **Annexure II** |
| 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 | Complied as per rules and guidelines of MSIHC Rules<br>1. Onsite emergency plan for the facility is available<br>2. MSDS is available for all the chemicals<br>3. Chemical Storage is within the threshold limit<br>4. PESO license is available for chemical storage as per requirement<br>Complied as per rules and guideline of Motor Vehicle Act.<br>1. Driving License.<br>2. Defensive driving for drivers<br>3. Spark arrestors for vehicles entering the tank farms and all other requirements are in order. |
| **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 systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. | We have installed 24x7 Continuous Emission Monitoring Systems (CEMS) at the process stacks for continuous monitoring of stack emissions in accordance with the standards prescribed under the Environment (Protection) Rules, 1986.<br><br>The CEMS is integrated with the CPCB online server, enabling real-time transmission of emission data to the regulatory authorities.<br><br>The CEMS is periodically calibrated and maintained as per the equipment manufacturer's recommendations through NABL-accredited laboratories, and calibration records are maintained for verification.<br><br>Calibration certificate is attached as **Annexure III** |

| | | |
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| | | The system is kept operational to ensure continuous monitoring and compliance with the applicable statutory requirements and directions issued by the regulatory authorities. |
| 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. | Complied.<br>Ambient air quality monitoring carried out monthly to monitor the fugitive emissions in the plant premises by approved lab and same has been submitted to Regional Office Chamarajanagar KSPCB. |
| 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 PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx 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. | Complied.<br>Monthly ambient air quality monitoring is being carried out through NABL-accredited laboratories at four locations, comprising one upwind location and three downwind locations across the plant boundary wall for monitoring of key air quality parameters.<br><br>September 2026 report attached as **Annexure-IV**<br><br>In addition, Online Continuous Ambient Air Quality Monitoring Systems (CAAQMS) have been installed at two locations within the plant premises for real-time monitoring of ambient air quality. |
| 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 0.50% 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. | Air pollution control equipment such as scrubbers and dust collectors has been installed and is being operated as per the Consent conditions to ensure compliance with the prescribed emission standards.<br>In addition, RCC Paved roads have been provided within the premises to minimize fugitive dust emissions.<br><br>No coal is used as a fuel source in the unit.<br><br>Further, a stack height of 30 metres Above Ground Level (AGL) has been provided in accordance with the guidelines stipulated by the Karnataka State Pollution Control Board (KSPCB) to facilitate adequate dispersion of gaseous emissions. |
| 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 | Solid Raw materials are stored in the closed loop silos above ground to prevent dust pollution and other fugitive emissions.<br>Liquid raw materials are stored in tanks above the ground. |
| VI | National Emission Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide G.S.R. 608(E) dated 2lst July 2010 and amended from time to time shall be followed. | The emission standards prescribed under G.S.R. 608(E) dated 21 July 2010 for the Organic Chemicals Manufacturing Industry are not applicable to the unit, as the specific emission standards under the said notification pertain to processes and equipment such as hazardous waste incinerators. The unit does not operate any incinerator facility. |
| 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 | Complied to the National Ambient Air Quality Emission Standards |
| **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) | Complied.<br>Online Continuous Effluent Monitoring Systems (OCEMS) have been provided for continuous monitoring of effluent quality.<br>A web camera with night-vision capability has been installed and is operational for continuous surveillance.<br>As the facility operates on a Zero Liquid Discharge (ZLD) basis with no effluent discharge channel/drain, flow meters have been installed in the closed-loop effluent conveyance pipelines to continuously monitor and record effluent flow within the treatment and reuse system. |

| | | |
|---|---|---|
| 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 plant is designed and operated on a Zero Liquid Discharge (ZLD) principle. The ZLD system comprises an Effluent Treatment Plant (ETP) followed by Reverse Osmosis (RO) and a Multiple Effect Evaporator (MEE). The entire treated effluent is recovered and recycled for reuse in the process and utility operations, thereby ensuring that 100% of the generated effluent is reused within the facility and no treated or untreated wastewater is discharged outside the plant premises. This arrangement ensures sustained compliance with the ZLD commitment |
| III | The effluent discharge shall confirm 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. | Complied.<br>The plant is designed and operated on a Zero Liquid Discharge (ZLD) principle. The ZLD system comprises an Effluent Treatment Plant (ETP) followed by Reverse Osmosis (RO) and a Multiple Effect Evaporator (MEE). The entire treated effluent is recovered and recycled for reuse in the process and utility operations, thereby ensuring that 100% of the generated effluent is reused within the facility and no treated or untreated wastewater is discharged outside the plant premises |
| IV | Total fresh water requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the conceded regulatory authority/CcwA in this regard | The total freshwater consumption of the project is being maintained within the quantity permitted under the prevailing Consent conditions issued by the Karnataka State Pollution Control Board (KSPCB). Water consumption is regularly monitored, and daily freshwater usage remains within the approved limits. |
| 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. | Process effluent is collected in above ground collection tanks. Effluent is transferred through pumps from collection tanks to ETP through closed loop pipeline system.<br><br>Dedicated Storm water network is provided and storm water collected in the dedicated reservoir of 22275KL Capacity. |
| 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. | Two dedicated reservoirs with impermeable liners are provided for collection of roof water and storm water with capacity of 18000KL and 22275KL respectively |
| 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. | Complied as per consent condition. Adequate stack height of 30 meters AGL is provided for DG Sets as per consent condition. |
| **NOISE MONITORING AND PREVENTION** | | |
| I | Acoustic enclosure shall be provided to DG set for controlling the noise pollution. | Complied, Acoustic enclosure provided for the DG sets |
| 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. | Noise levels monitoring is carried out across the plant area and they are within the standards limit. Suitable control measures have been taken to reduce noise. Monthly noise monitoring reports has been submitted to Regional Office Chamarajanagar, KSPCB |
| 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. | Ambient noise monitoring is being carried out on a monthly basis during both daytime and nighttime. The monitored ambient noise levels are consistently found to be well within the prescribed limits of 75 dB(A) during daytime and 70 dB(A) during nighttime as stipulated under the Environment (Protection) Rules, 1986. Monitoring records are maintained and reviewed regularly to ensure continued compliance. September 2026 report attached as **Annexure - V** |
| **ENERGY CONSERVATION MEASURES** | | |
| I | The energy sources for lighting purposes shall preferably be LED based | LED lighting provided across the site premises |
| **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. | Hazardous chemicals are stored in tanks, tank farms, drums, carboys etc. Flame arresters provided on tank farm and the solvent transfer through pumps in closed loop system. |
| 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' | Complied - as per Hazardous and other Waste Authorization |
| III | The company shall undertake waste minimization measures as below: -<br>i) Metering and control of quantities of active ingredients to minimize waste'<br>ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.<br>iii) Use of automated filling to minimize spillage.<br>iv) Use of Close Feed system into batch reactors'<br>v) Venting equipment through vapour recovery system.<br>Vi) Use of high pressure hoses for equipment clearing to reduce wastewater generation | Complied<br>i. The plant production is an automated process, where the raw materials are added through closed loop pipeline and having controlled measures.<br>ii. Full-fledged wash water and wash solvent reuse scheme is installed and is in use.<br>iii. The entire paint packing operation is done by automated filling machines.<br>iv. All reactor process has closed feed system to add the ingredients.<br>v. All reactors, solvent storage vessels have vapour recovery system.<br>vi. High pressure jet pumps are in place for effective cleaning and reduction of wastewater generation. |
| **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. | Complied.<br><br>The green belt development is completed over 33 acres, with the plantation of 21,250 saplings. This also covers the entire plant periphery where three layer plantation is carried out.<br><br>The green belt comprises of native species such as Terminalia arjuna, Pongamia pinnata, Cassia siamea, Silver Oak, Spathodea, Mahogany, Mango, Jamun (Syzygium cumini), Anthocephalus cadamba, and Bauhinia purpurea, selected in accordance with CPCB guidelines and developed in consultation with the State Forest Department. |
| **SAFETY PUBLIC HEARING AND HUMAN HEALTH ISSUES** | | |
| I | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented | On site emergency preparedness plan is prepared based on the Hazard Identification and Risk Assessment (HIRA) and disaster management plan. The plan was submitted and approved by Department of Factories. Basis this plan was implemented in the site premises |
| 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. | Complied, Necessary fire protection systems installed in manufacturing process in material handling as per the Karnataka State Fire & Rescue Services. |
| III | The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act. | Complied, PPE's provided as per the factory act |
| 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. | Complied,<br>Training provided to employees for the chemical handling.<br>Training Records attached as **Annexure VI** pre-employment and routine periodical medical examinations for all employees done on regular basis. |
| 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 | As the facility is in operational phase, this is not applicable. |
| VI | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act | Periodical medical examination is done, and records are maintained as per factories act. |
| VII | 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 | Complied, Adequate space provided for the parking of vehicles for raw materials and finished products |

| | | |
|---|---|---|
| **CORPORATE ENVIRONMENT RESPONSIBILITY** | | |
| I | The project proponent shall comply with provision contained in OM vide F.No.22_ 6512017 -IA.Irl dated 25th February 2021 , of the Ministry of Environment, Forest and climate change as applicable, regarding Corporate Environment Responsibility and shall execute the action plan of community tree plantation in Mariyala & kasturu villages, water recharge/Harvesting in Kasturu & badanguppe villages and Forest Department-Fauna conservation plan in ummathur conservation R reserve, Antipoaching camp, Borewell with water tank, as submitted vide letter date d, og.o4.2022. | Noted and being complied<br>1. Two Bolero vehicle given to BRT Tiger Reserve for fauna conservation.<br>2. Pond rejuvenation work completed at Doddamma thayi temple, Bhogapura village.<br>3. External Green belt development completed at Kasturu village.<br>4. External Green Development completed at Mariyalla villages<br>5. Grasim has deposited the required fund to BRT for development of Antipoaching camp at Kurimandi, Punajanuru forest range and currently the antipoaching camp building work is in the final completion stage.<br><br>Attached as **Annexure – VII** |
| 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 shareholder's / 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. | Grasim has a well-established Environmental Policy that reflects its commitment to environmental stewardship and regulatory compliance. As a law-abiding organization, Grasim promptly reports any environmental deviations or violations to the relevant stakeholders and statutory authorities, wherever applicable. The Environmental Policy is prominently displayed at the site to ensure awareness among employees, contractors, and visitors.<br><br>Copy of the same is attached as **Annexure VIII** |
| 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. | Compiled Separate Environmental cell has been established with qualified Environment professionals both at project and head quarter level.<br>Organisational structure is attached as **Annexure IX** |
| 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. | Action plan for implementing EMP and Environmental conditions along with responsibility matrix of the company is approved by the Senior Management. Separate funds are allocated for environmental protection measures.<br>Attached Environment Management Plan expenditure details as **Annexure - X** |
| V | Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out. | A self-environmental audit is conducted annually, and the third-party audit was completed in August 2025. |
| **MISCELLANEOUS** | | |
| I | Effort shall be made to replace Hexane, Toluene and Bromine by alterative as per the SEAC condition. | These chemicals are not used in our manufacturing process. |
| II | 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 | Complied, Local newspaper advertisement provided in Deccan Herald and Prajavani on 16-04-2022 |
| III | 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 tum has to display the same for 30 days from the date of receipt | Complied, Letter submitted to local bodies, Panchayat, Municipal Bodies |
| IV | 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. | Complied, uploaded the status of compliance stipulated to environment clearance condition |
| V | The project proponent shall monitor the criteria pollutants level namely; PMI0, 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 | Monthly ambient air quality monitoring is being carried out through NABL-accredited laboratories at four locations, comprising one upwind location and three downwind locations across the plant boundary wall for |

| | | |
|---|---|---|
| | | the parameters $PM_{2.5}$, $PM_{10}$, $SO_x$, $NO_x$, Ozone, Lead, Carbon Monoxide, Ammonia , Benzene, Benzo (a) Pyrene - (BaP) particulate phase only, Arsenic, Nickel<br><br>In addition, Online Continuous Ambient Air Quality Monitoring Systems (CAAQMS) have been installed at two locations within the plant premises for real-time monitoring of ambient air quality for parameters $PM_{10}$, $PM_{2.5}$, $SO_x$, $NO_x$.<br><br>Monthly stack monitoring is being carried out for the parameters PM, $SO_x$, $NO_x$.<br><br>All these parameters are displayed on the digital board for public disclosure |
| VI | 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' | Complied,<br>Last Submitted on 30th April 2026 |
| VII | "The HYCRs with its contents of a covering letter, compliance reports' and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of project, EC No & date' period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID rosz.bng-mefcc@gov.in Hard copy of HYCRs shall not be acceptable" | Complied,<br>Last Submitted on 30th April 2026 |
| VIII | The project proponent shall submit the environmental statement<br>in Form-V to the conceded State Pollution Control Board as Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company | Complied<br>Form V - Environmental Statement submitted to KSPCB on 16th September 2026. The same is attached as **Annexure XI** |
| IX | The project proponent shall inform the Region at 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 | Complied - Commercial production commenced on 19th November 2024 and to that effect letter submitted to SEBI as per requirement **Annexure XII** |
| X | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government | Grasim shall comply all the stipulations made by KSPCB and Karnataka Government. |
| XI | 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' | We shall abide all the commitments and *recommendations made in EIA/EMP report* |
| XII | No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MoEF&CC) | Noted and shall be ensured |
| XIII | 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. | Noted |
| XIV | The SEIAA may revoke or suspend the clearance' if implementation of any of the above conditions is not satisfactory | Noted |
| XV | The SEIAA reserves the right to stipulate additional conditions if found necessary. The for each financial year prescribed under Company in a time bound manner shall implement these conditions | Noted |
| XVI | The Regional Office of MoEF&CC 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. | Noted |
| XVII | 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 | Noted |

| | | |
|---|---|---|
| | 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. | |
| XVIII | 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. | Noted |
| **ADDITIONAL CONDITIONS** | | |
| I | Health surveillance of all the employees shall be conducted on annual basis and maintain records thereafter. | Annual medical examination of all the employees and contract workmen has been carried out in accordance to Factories Act and records are maintained. |
| II | Carryout audit of VOC emissions from the process on annual basis. | A VOC audit has been conducted for the process, and appropriate control measures have been implemented to minimize and manage VOC emissions. |

Annexure I - Consent for Operation
Annexure II- Hazardous & Other Waste Authorization.
Annexure III – Calibration Reports
Annexure IV- Ambient Air Quality Monitoring Report
Annexure V - Ambient Noise Monitoring Report
Annexure VI - Training Records
Annexure VII - CER Update
Annexure VIII - Environmental Policy
Annexure IX - Organisational Structure
Annexure X - Environmental Management Plan
Annexure XI- Form V Environmental Statement submitted to KSPCB
Annexure XII - Commercial production letter

ANNEXURE - I

# Karnataka State Pollution Control Board

Parisara Bhavana,No.49, Church Street,Bengaluru-560001

Tele : 080-25589112/3, 25581383/388 Fax:080-25586321 Email id: ho@kspcb.gov.in

## Consent For Operation(CFO-Air,Water) - (CfO-Fresh)

**As per the provisions of**

**The Water (Prevention & Control of Pollution) Act, 1974**

**&**

**The Air (Prevention & Control of Pollution) Act, 1981**

To

**Grasim Industries Ltd, Badanguppe – Kellamballi Industrial area of KIADB**

for the Facility located at,

**Grasim Industries Ltd,Plot no: 147-A, 147-B & 147-C ,Badanguppe – Kellamballi Industrial area of KIADB**

**Chamarajanagar**

| Consent Order No | PCBID | INW ID | Industry Colour/Scale | Date of Issue |
|---|---|---|---|---|
| AW-342557 | 107372 | 214442 | RED/LARGE | 20/03/2024 |

**This Consent is granted for the Products/ Activity/Service name indicated in the annexure along with the terms & conditions attached to this order**

**Validity through: 20/03/2024 to 30/06/2028**

**ISO 9001:2015 & 14001:2015 Certified**

(This document contains 9 pages including annexure & excluding additional conditions)

**Combined Consent Order No:** AW-342557 **PCB ID:** 107372 **GSC No :** PB0XG0000204442 **Date:** 20/03/2024

## Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981

Ref: 1. Application filed by the applicant/organization on 03/01/2024

2.Inspection of the Industry/organization/by RO, on 28/12/2023

3.Proceedings of the ECM dated 12/02/2024 ,held on 31/01/2024

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 ( herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, ( herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

**Location:**

Name of the Industry: Grasim Industries Ltd

Address: Plot no: 147-A, 147-B & 147-C, Badanguppe – Kellamballi Industrial area of KIADB

Industrial Area: CHAMRAJNAGAR INDL ESTATE, Chamarajanagar/Kellamballi,

Taluk: Chamarajanagar, District: Chamarajanagar

**CONDITIONS:**

### a) Discharge of effluents under the Water Act:

| Sr | Water Code | WC(KLD) | WWG(KLD) | Remark |
|---|---|---|---|---|
| 1 | Boiler Feed | 21.600 | 1.800 | refer additional condition Annexure-1 |
| 2 | Cooling Water | 114.300 | 17.000 | refer additional condition Annexure-1 |
| 3 | Domestic Purpose | 27.000 | 26.000 | refer additional condition Annexure-1 |
| 4 | Manufacturing Processes | 675.800 | 5.400 | refer additional condition Annexure-1 |
| 5 | Others ..... | 145.000 | 0.000 | Green Belt Area |
| 6 | Others ..... | 0.000 | 36.000 | RO reject refer additional condition Annexure-1 |
| 7 | Others ..... | 2.000 | 2.000 | Floor washing refer additional condition Annexure-1 |
| 8 | Others ..... | 99.000 | 18.000 | Washings refer additional condition Annexure-1 |
| 9 | Others ..... | 1.800 | 1.800 | Scrubber refer additional condition Annexure-1 |

### b) Discharge of Air emissions under the Air Act from the following stacks etc.

| Sl. No. | Description of chimney/outlet | Limits specified refer schedule |
|---|---|---|
| The details of Sources, control equipments and its specification, type of fuel,constituents to be controlled in emissions etc. are detailed in Annexure-II. | | |

The consent for operation is granted considering the following activities/Products;

| Sr | Product Name | Applied Qty | Unit |
|---|---|---|---|
| 1 | paints | 400000.0000 | Kilo Litres/Annum |
| 2 | resin and water based polymers | 200000.0000 | Kilo Litres/Annum |
| 3 | solvent-recovery | 12.0000 | Kilo Litres/Day |
| 4 | thinners | 25000.0000 | Kilo Litres/Annum |

**Validity through :** 20/03/2024 **to** 30/06/2028

To,

Grasim Industries Ltd

Village Kasaba Hobli, Chamarajanagar,
Karnataka

**COPY TO:**

The Environmental Officer, KSPCB, Regional Office Chamrajanagar for information and necessary action.

2. Master Register.
3. Case file.

| Consent Fee paid : Rs. 10000000 |
|---|

**SCHEDULE**

**TERMS AND CONDITIONS**

**A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.**

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.

2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.

2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.

3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I

3(b).The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.

4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.

6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.

7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:

8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

**B. EMISSIONS:**

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

**C.MONITORING & REPORTING:**

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.

2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

**D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:**

1.The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2.The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

## E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.

b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

* A "decibel" is a unit in which noise is measured.

* "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

* Leq: It is an energy mean of the noise level over a specified period.

## F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT)Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016.

## G. GENERAL CONDITIONS:

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.

2. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.

3. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.

4. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.

5. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.

6. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.

7. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.

8. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow points should made easily approachable.

9. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.

10. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.

11. The applicant shall make an application for consent for subsequent period at least 120 days before expiry of this consent.

12. The applicant shall develop and maintain adequate green belt all around the periphery.

13. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.

14. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court

15. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.

16. The applicant shall display flow diagram of the pollution control system near the pollution contol system/s

**NOTE:**

The Conditions A(2(a) & 3(b) mentioned in the schedule are not applicable.

**Additional Conditions:**

1. The occupier shall comply with all the Additional Conditions and Standards stipulated in Annexure 1, A & B attached with this consent order.
2. This consent order contains 18 pages including Additional Conditions and Annexures.
3. The products with quantities, water consumption, waste water generation, mode of disposal with standards, air pollution sources with control measures mentioned in Additional Conditions attached with this order shall be considered and to be complied by the industry.
4. In case of any discrepancy in the name of the product & its quantity in this consent order, the name of the product and quantity indicated in the EC will prevail.
5. The applicant shall comply with the conditions stipulated in Environmental Clearance issued by SEIAA, Karnataka vide EC No SEIAA.48. IND.2021 dated: 11-04-2022 and Corrigendum to EC, dated: 19.05.2022.
6. The applicant shall comply with the conditions stipulated in CFE vide Consent No. CTE- 331600 PCB ID: 107372 dated: 04.06.2022.
7. The industry shall adhere to the commitment made vide letter dated 05.03.2024 on installation of CAAQMS & OCEMS and shall submit the compliance report on installation and commissioning of the same to the Board.

| Chim.No. | Chimney attached to | Capacity/ KVA Rating | Minimum chimney height to be provided above ground level (in Mts) | Constituents to be controlled in the emission | Tolerance limits mg/NM3 | Fuel | Air pollution Control equipment to be installed,in addition to chimney height as per col.(4) | Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights. |
|---|---|---|---|---|---|---|---|---|
| 1 | Any Other ..... | thermic fluid heater 20 K cal. | 30 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | DIE | PRT | |
| 2 | Any Other ..... | thermic fluid heater 20 K Cal | 30 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | DIE | PRT | |
| 3 | Boiler | bioler 2 TPH | 30 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | DIE | PRT | |
| 4 | D.G. Sets | 2000 KVA DG Set | 30 | PM,SO2,NOx,CO, NMHC | 710,100,75,150,0 | DIE | AEC | |
| 5 | Any Other..... | dust collectors bulk powder handling area (14 nos.) common chimney with individual APC equipment | 3 | PM,SO2,NOx,CO, NMHC | 50,0,0,0,0 | PM | FIL,DUS,PRT | |
| 6 | Any Other..... | process stack-3 Emulsion Block | 3 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | PM,SO2,Nox | PRT,SCR | |
| 7 | D.G. Sets | 1010 KVA DG Set | 30 | PM,SO2,NOx,CO, NMHC | 710,100,75,150,0 | DIE | AEC | |
| 8 | Any Other..... | Dust collector with Silo - 86 No's (common chimney with individual APC equipment) | 3 | PM,SO2,NOx,CO, NMHC | 50,0,0,0,0 | PM | FIL,PRT | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | Any Other.... .... | Dust collector (Bulk powder handling area) - 14 No's( common chimney and individual APC equipment) | 3 | PM,SO2,NOx,CO, NMHC | 50,0,0,0,0 | PM | FIL,DUS,PRT |
| 10 | Any Other.... .... | process stack -1 Water Based block | 3 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | VOC, Hydrocarbons | PRT,SCR |
| 11 | Any Other.... .... | process stack-4 Resin Block | 3 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | VOC, Hydrocarbons | PRT,SCR |
| 12 | Any Other.... .... | process stack -2 Solvent based paint block | 3 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | VOC, Hydrocarbons | PRT,SCR |
| 13 | Fuel Heater (Thermic) | Thermic fluid heater 20 lakh k. cal. | 30 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | DIE | PRT |
| 14 | Boiler | Boiler - 0.5 TPH- | 30 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | DIE | PRT |
| 15 | D.G. Sets | 2000 KVA DG Set | 30 | PM,SO2,NOx,CO, NMHC | 710,100,75,150,0 | DIE | AEC,PRT |
| 16 | Boiler | Boiler - 2 TPH- | 30 | PM,SO2,NOx,CO, NMHC | 0,0,0,0,0 | DIE | PRT |

Note:

PRT : Port Hole

PRT : Port Hole

AEC : Accoustic Enclosures

FIL,DUS, PRT : Bag Filter

PRT,SCR : Port Hole

FIL,PRT : Bag Filter

PRT : Port Hole

AEC,PRT : Accoustic Enclosures

**Note:**

1. The DG set shall be provided with acoustic measures as per Sl.No.94 in Schedule-I of Environment (Protection)Rules.

2. There shall be no smell or odour nuisance from the industry.

**LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.**

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

Signature Not Verified
Digitally signed by
Date: 2024.03.20 15:34:59
+05:30

**ANNEUXRE-1**
**ADDITIONAL CONDITIONS**
**[PCB ID:107372; INWARD NO. 204442]**

**ADDITIONAL CONDITIONS TO ACCOMPANY THE CONSENT OF OPERATION ORDER OF M/S. GRASIM INDUSTRIES LIMITED (BIRLA PAINTS DIVISION)., PLOT NO. 147-A, 147-B & 147-C (CORNER), BADANAGUPPE- KELLAMBALLI INDUSTRIAL AREA OF KIADB, KASABA HOBLI, TALUK & CHAMARAJANAGAR DISTRICT.**

**A.**

1. This CFO Fresh is issued from Water & Air pollution control point of view under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 & the Air (Prevention and Control of Pollution) Act, 1981
2. This Consent of Operation Fresh order is issued for the production of following products;

| Sl. No. | Name of the Product | Quantity (KLPA) |
|---|---|---|
| 1 | Paints | 4,00,000 |
| 2 | Resin & Water Based Polymers | 2,00,000 |
| 3 | Thinners | 25,000 |
| 4 | In-house captive solvent recovery | 12 KLD |

3. The quantity shall not exceed the quantity indicated against the respective product.
4. The applicant shall comply with the conditions stipulated in Environmental Clearance issued by SEIAA, Karnataka vide EC No SEIAA.48. IND.2021 dated: 11-04-2022 and Corrigendum to EC, dated: 19.05.2022.
5. The applicant shall comply with the conditions stipulated in CFE vide Consent No. CTE- 331600 PCB ID: 107372 dated: 04.06.2022.
6. The industry shall adhere to the commitment made vide letter dated 05.03.2024 on installation of CAAQMS & OCEMS and shall submit the compliance report on installation and commissioning of the same to the Board.
7. This Consent for Operation is valid for the period up **to 30.06.2028**.

**B. WATER POLLUTION CONTROL**

1. The source of fresh water shall be from KIADB.
2. Total water consumption shall not exceed **1086.5 KLD.**
3. Total waste water generation shall not exceed **108 KLD.**
4. The details of water consumption, effluent generation and mode of treatment and disposal shall be as under:

| Sl. No | Purpose | Water Consumption in KLD | Water discharge in KLD | Mode of treatment & disposal |
|---|---|---|---|---|
| 1 | Domestic | 27 | 26 | The domestic sewage shall be treated in 30 KLD STP and confirm to the standards stipulated in **Annexure-A** and treated sewage shall be utilized on land for gardening within the premises. |
| 2 | Manufacturing Process | 675.8 | 5.4 | The trade effluent shall be treated in ETP of capacity 100 KLD followed by RO of capacity 100 KLD. The RO reject shall be treated in MEE of capacity 15 KLD followed by ATFD. The RO |
| 3 | Boiler Feed | 21.6 | 1.8 | |
| 4 | Cooling Tower | 114.3 | 17 | |

| | | | | |
|---|---|---|---|---|
| | | | | permeate shall be reused for process/cooling tower makeup to achieve ZLD. The salt shall be disposed to TSDF. |
| 5 | Wash water for Equipment cleaning | 99 | 18 | |
| 6 | Floor washing water | 2 | 2 | |
| 7 | Scrubber water | 1.8 | 1.8 | |
| 8 | RO reject | - | 36 | |
| 9 | Gardening | 145 | - | |
| **Total** | | **1086.5** | **108** | |

5. Within the production area the trade effluent shall be conveyed to collection tank (provided as tank in tank system) through open drain lined with impervious and the drain shall be clearly visible all the times. Laying of any pipe lines along the drain or through the tiles is not permitted.
6. Only one collection tank in each production block is permitted below ground level for collection of trade effluent. The outer collection shall be constructed using Reinforced Cement Concrete in which system shall be provided with automatic water level controller to facilitate emptying of effluent to collection/neutralization tank with operating philosophy that collection tank provided in the production block is always empty.
7. The floor of the Effluent treatment Plant area and collection tank area shall be impervious.
8. The applicant shall provide separate energy meter to Effluent-treatment plant for recording consumption of electricity on day to day basis.
9. The applicant shall not allow Storm water to get mixed with the trade and/or sewage effluent on the upstream of the terminal manholes where the flow measuring devices will be installed.
10. The applicant shall ensure continuous operation of Online Continuous Effluent Monitoring System ( on 24/7 basis ) comprising of
    a. Flow meter: online flow meter with data recording facility which should be transmitted online to CPCB & KSPCB Server shall be provided separately for HTDS & LTDS line.
    b. PTZ (Pan Tilt and Zoom) Camera: online connectivity of IP camera with PAN, Tilt and Zoom 5X or above Focal length with night vision capability shall be ensured. The specification/ sensor used in online continuous monitoring system shall be in accordance with CPCB specification. The camera shall be installed in such a location where the entire ETP operation and recycling of treated effluents can be remotely monitored. The camera feed should be integrated with all camera controls (PAN, Zoom, Tilt) and shown on central platform where data on flow meter is displayed. The camera feed shall be provided without pre-requirement of any plug in software for data display or data submission and shall be available in the Google Chrome browser.
    c. Calibration of OCEMS shall be undertaken as per CPCB Guidelines and shall submit the report on calibration to the Board within 15 days of such calibration.
11. Storm water management plan shall be prepared by engaging an expert and get it implemented before trial production of the plant.
12. The applicant shall establish Rain Water Harvesting system comprising of RCC sump/tank of adequate capacity to store the rain water harvested and provisions shall be made to completely use the rain water collected in the tank. Percolation pit for percolation of rain water inside the industry is not permitted.

13. The pipelines carrying fresh water, raw -trade effluent, treated trade effluent, rain water shall be painted with distinct color for easy identification
14. The floor of the process area shall be provided with epoxy coating with proper slope.
15. The trade effluent from the process area (collection tanks) shall be pumped to Effluent treatment Plant through dedicated pipe lines.
16. The applicant shall provide adequate storage area with permanent roof and impervious floor for storing chemicals.
17. No chemical is permitted to be stored outside on naked ground during operation of the industry

**C. AIR POLLUTION CONTROL:**

1. The discharge of air emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure - B** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.
2. The type of emissions, tolerance limits, stack heights and the Air pollution equipment shall be installed/provided as specified in **Annexure – B.** The stacks shall have port holes and platforms as per the guidelines specified to facilitate monitoring of emissions.
3. The industry shall upgrade/modify/replace/change the control equipment /chimney height, if stack attached to any of the source/s is/ are found inadequate to meet the standards stipulated in **Annexure - B**. Prior permission of the Board shall be obtained for the same.
4. The industry shall vent solvent loss by installing double condenser systems and connecting the vents to a carbon tower to minimize the fugitive emissions.
5. Vents of the Centrifuge shall be connected to scrubber.
6. In plant control measures for controlling fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage for raw materials/finished products, closed handling & conveyance of chemicals/materials, providing multi cyclone separator and water sprinkling system.
7. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control fugitive dust emissions.
8. For control of fugitive emissions, following additional measures shall be implemented;
   a. Closed handling system shall be provided for chemicals.
   b. Reflux condenser shall be provided over reactor.
   c. System of leak detection and repair of pump/pipeline based on preventive maintenance.
   d. The acid shall be taken from storage tanks to reactors through closed pipeline.
   e. Storage tanks shall be vented through trap receiver and condenser operated on chilled water.
9. Prevention of Solvent Losses: The applicant shall design the appropriate scientific measures for Solvent management and implement the same during installation of equipment & same is as follows :
   a. Reactor shall be connected to chilled brine condenser system
   b. Reactor and solvent handling pump shall have mechanical seals to vent leakages
   c. The condensers shall be provided with sufficient Heat Transfer Area (HTA) and residence time so as to achieve more than 95% recovery.
   d. Solvents shall be stored in a designated space specified with all safety measures including Nitrogen blanketing.
   e. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.

**D. SOLID WASTE MANAGEMENT**

1. The industry shall establish scientific facility for collection, storage , treatment and disposal off all the solid waste generated from the process other than wastes covered under the Hazardous and Other Waste (Management &Transboundary Movement ) Rules,2016 in such manner so as not to cause environmental pollution.

**E. HAZARDOUS WASTE MANAGEMENT**

1. The applicant shall apply and obtain authorization under the Hazardous & other wastes (Management & Transboundary Movement) Rules, 2016 after obtaining CFO.
2. The applicant shall provide scientifically designed, dedicated storage area with proper ventilation for storing various categories of hazardous wastes The storage area shall be provided with impervious floor and constructed in such a way that, the area is divided in to different cells to store different categories of waste.
3. The applicant shall establish mechanical barrel de-contamination facility within the industry premises for de-contamination of barrels within 3 months and shall submit compliance report to the Board. The barrel washing facility shall be provided in accordance of the Standard Operating Procedure laid down by CPCB during February 2021.

**F. SELF MONITORING AND REPORTING:**

1. The applicant shall carry out Environmental Quality Monitoring (Sewage, Air Emissions, Ambient Air/Noise) on monthly basis and submit the monitoring reports to the Board.
2. The applicant shall carryout the ambient air quality monitoring and submit the report to the Board. The AAQM shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring Standards stipulated in Environmental (Protection) Rules, 1986. Monitoring shall include the parameters $PM_{2.5}$, $PM_{10}$, Sulphur dioxide, Nitrogen Oxide, Ammonia. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality standards Notification once in a year. The monitoring shall be carried-out as per National Ambient Air Quality Standards notified by MoEF & CC vide No. GSR. 826(E) dated16.11.2009.

**G. GENERAL:**

1. The area around production block, utilities, raw material storage area and the area used movement of vehicles shall be provided with RCC flooring/asphalted.
2. The applicant shall provide dyke wall of sufficient height around the chemical /solvent storage tanks
3. The Industry shall explore the possibility of using solar energy.
4. The industry shall comply with Plastic Waste Management Rules and E-Waste Management Rules.
5. The applicant shall submit half yearly consent conditions compliance report to the Board on or before 30th October for the period April to September and on or before 30th April for the period October to March.
6. The applicant shall submit Form-V as per Environment (Protection) Rules, 1986 before 30th September every year for the previous financial year after obtaining Consent for Operation.
7. The Industry shall conduct Awareness Programme on Environmental Pollution among Employees and community.
8. The applicant shall adopt the principles listed in the Mission Life – Lifestyle for Environment List of Actions enlisted on the URL, https://moef.gov.in/en/mission-life/list-of-actions/, towards an environmentally conscious lifestyle and shall impart training to employees on the same.

9. The project authorities shall obtain all other statutory permissions under all such Acts whichever is applicable. This consent will not prevent operation of other laws in force. Failing to comply with any such provision will attract penal action under such Acts. The project authorities shall be solely responsible for such violations. This consent should not be used to circumvent any other statutory provisions.
10. Non-compliances to the conditions stipulated, Board has the right to withdraw the consent.
11. The applicant shall obtain insurance under Public Liability Insurance Act 1991 and also pay equivalent premium to the Environment Relief Fund (ERF) as per the said Act and submit copy of the same to the Board.

**SENIOR ENVIRONMENTAL OFFICER**
**17 CATEGORY & E-GOV CELL**

## ANNEXURE –A

**Discharge Standards for using the treated sewage for irrigation / green belt development within the factory premises.**

| Sl. No. | Characteristics | Standards |
|---|---|---|
| 1 | pH | 5.5 to 9 |
| 2 | BOD, mg/l (3 days at 27°C) | Not more than 10 |
| 3 | TSS, mg/l | Not more than 20 |
| 4 | COD, mg/l | Not more than 50 |
| 5 | $NH_4$-N, mg/l | Not more than 5 |
| 6 | N-Total, mg/l | Not more than 10 |
| 7 | Fecal Coliform (MPN/100 ml) | Less than 100 |

**Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.**

**SENIOR ENVIRONMENTAL OFFICER**
**17 CATEGORY & E-GOV CELL**

## ANNEXURE –B

| Sl. No | Chimney attached | Minimum chimney height to be provided above ground level (AGL)/ above roof level (ARL) in m | Constituent to be controlled in the emission | Tolerance limits mg/Nm3 | Air pollution control equipment to be installed, in addition to chimney height as per Col.3) |
|---|---|---|---|---|---|
| 1 | DG Set 1010 KVA | 30 mts AGL | $NO_x$<br>NMHC<br>PM<br>CO | 710 ppmv<br>100<br>75<br>150 | Acoustic Enclosure |
| 2 | DG Set 2000 KVA | 30 mts AGL | $NO_x$<br>NMHC<br>PM<br>CO | 710 ppmv<br>100<br>75<br>150 | Acoustic Enclosure |
| 3 | DG Set 2000 KVA | 30 mts AGL | $NO_x$<br>NMHC<br>PM<br>CO | 710 ppmv<br>100<br>75<br>150 | Acoustic Enclosure |
| 4 | Boiler 2TPH (HSD fired) | 30 mts AGL | $SO_2$ | - | - |
| 5 | Boiler 2TPH (HSD fired) | 30 mts AGL | $SO_2$ | - | - |
| 6 | Boiler 2TPH (HSD fired) | 30 mts AGL | $SO_2$ | - | - |
| 7 | Boiler - 0.5 TPH (HSD fired) | 30 mts AGL | $SO_2$ | - | - |
| 8 | Thermic Fluid Heater 20 Lac K Cal (HSD fired) | 30 mts AGL | $SO_2$ | - | - |
| 9 | Thermic Fluid Heater 20 Lac K Cal (HSD fired) | 30 mts AGL | $SO_2$ | - | - |
| 10 | Thermic Fluid Heater 20 Lac K Cal (HSD fired) | 30 mts AGL | $SO_2$ | - | - |

| | | | | | |
|---|---|---|---|---|---|
| 11 | Process Stack-1: Water Based Block | 3 mts ARL | VOC | | Closed type duct followed by current wet scrubber |
| 12 | Process Stack-2 :Solvent based paint block | 3 mts ARL | VOC | | Closed type duct followed by two stage activated carbon bed scrubber |
| 13 | Process Stack-3: Emulsion Block | 3 mts ARL | VOC | | Closed type duct followed by counter current wet scrubber cum two stage activated carbon bed scrubber |
| 14 | Process Stack-4: Resin Block | 3 mts ARL | VOC | | Closed type duct followed by vent condenser and outlet to have two stage activated carbon bed scrubber |
| 15 | Dust Collectors-bulk powder handling area 1) Water based paint block -2 Nos. 2) Distemper-1 No. | Common Chimney of height 3 mts ARL | PM | 50 | Individual closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |
| 16 | Dust Collectors-bulk powder handling area 1) Solvent based paint block -2 Nos. | Common Chimney of height 3 mts ARL | PM | 50 | Individual closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |
| 17 | Dust Collectors-bulk powder handling area 1) Solvent based paint block -2 Nos. | Common Chimney of height 3 mts ARL | PM | 50 | Individual closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |
| 18 | Dust Collectors-bulk powder handling area 1) Solvent based paint block -2 Nos. | Common Chimney of height 3 mts ARL | PM | 50 | Individual closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |

| | | | | | |
|---|---|---|---|---|---|
| 19 | Dust Collectors-bulk powder handling area-wood finish block -1 no. | Chimney of height 3 mts ARL | PM | 50 | closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |
| 20 to 21 | Dust Collectors-bulk powder handling area 1) Resin Process Block -2 Nos. | Individual Chimney of height 3 mts ARL | PM | 50 | Individual closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |
| 22 to 23 | Dust Collectors-bulk powder handling area 1) Raw Material Godown -2 Nos. | Individual Chimney of height 3 mts ARL | PM | 50 | Individual closed type dust collectors followed by Bag filter Reverse flow Pulse Cleaning |
| 24 to 109 | Dust Collectors with Silo (86 nos.) | Closed type | - | - | - |

***Note:***

i. Chimney Height and Air Pollution Control Equipment Stipulated above shall be installed at all the times.
ii. The industry shall establish Nitrogen blanketing system for efficient storage of solvents and to minimize solvent losses.
iii. The industry shall achieve the total cumulative losses of solvent & should not be more than 10% of the solvent on annual basis from storage inventory.
iv. The Emission from the vents in the tank farm area shall confirm to standards stipulated in G.S.R 541 (E) Dated: 06.08.2021.
v. Volatile Organic Compounds (VOCs)/ Fugitive emissions shall be controlled at 99.97% with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out

**SENIOR ENVIRONMENTAL OFFICER**
**17 CATEGORY & E-GOV CELL**

ANNEXURE-II

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 343665

Valid upto: 30/06/2028

(This document contains 6 pages excluding annexure )

**Karnataka State Pollution Control Board**
**Parisara Bhavana,No.49, Church Street,Bengaluru-560001**
**Tele : 080-25589112/3, 25581383/388**
**Fax:080-25586321**
**email id: ho@kspcb.gov.in**

**Authorization No:** 343665 **PCB ID:** 107372 **Date:** 13/06/2024

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

Ref: 1. Authorization application submitted by the industry/organization on 16/05/2024 at Regional Office.

2. Inspection of the project site/organization by Regional Officer , Chamrajanagar on 13/05/2024
3. Proceedings of CCM dated: , held on:

1. Number of authorization 343665 and date of issue 13/06/2024

2. Reference of application No. 213929 Inward Date 16/05/2024

3. Chairman of Grasim Industries Ltd is hereby granted an authorization based on the enclosed signed inspection report for Generation,Collection,Reception,Storage,Disposal or any other use of hazardous or other wastes or both on the premises situated at the location **Address**: Plot no: 147-A, 147-B & 147-C , Badanguppe – Kellamballi Industrial area of KIADB **Industrial Area** : Chamarajanagar/Kellamballi , **Taluk** : Chamarajanagar , **District** : Chamarajanagar

**Details of Authorization:**

| Category of Hazardous waste as per the Schedule I,II,III & IV of these rules | Description of Hazardous Waste | Quantity/Annum | Unit | Authorized Mode of Disposal or recycling or utilization or co-processing, etc., |
|---|---|---|---|---|
| | 20.1~Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse. | 170.000 | MTA | As Per Annexure |
| | 20.3~Distillation Residues | 95.000 | MTA | As Per Annexure |
| I | 21.1~process Wastes,Residues and sludges | 120.000 | MTA | As Per Annexure |
| I | 21.2~Spent solvents | 3942.000 | MTA | As Per Annexure |
| I | 23.1~Wastes or residues(not made with vegetable or animal materials | 90.000 | MTA | As Per Annexure |

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 343665

Valid upto: 30/06/2028

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**Karnataka State Pollution Control Board**
**Parisara Bhavana,No.49, Church Street,Bengaluru-560001**
**Tele : 080-25589112/3, 25581383/388**
**Fax:080-25586321**
**email id: ho@kspcb.gov.in**

| | | | | |
|---|---|---|---|---|
| | 3.1~cargo residue, washing water and sludge containing oil | 15.000 | MTA | As Per Annexure |
| | 3.3~Sludge And Filters Contaminated With Oil | 15.000 | MTA | As Per Annexure |
| I | 33.1~Empty barrels/containers/liners contaminated with hazardous chemicals /wastes | 800.000 | MTA | As Per Annexure |
| I | 34.1~Chemical-containing residue arising from decontamination. | 25.000 | MTA | As Per Annexure |
| I | 35.1~Exhaust Air or Gas cleaning residue | 10.000 | MTA | As Per Annexure |
| I | 35.2~Spent ion exchange resin containing toxic metals | 20.000 | MTA | As Per Annexure |
| I | 35.3~Chemical Sludge From Waste Water Treatment | 200.000 | MTA | As Per Annexure |
| I | 35.4~Oil and grease skimming | 20.000 | MTA | As Per Annexure |
| I | 36.2~Spent carbon or filter medium | 10.000 | MTA | As Per Annexure |
| I | 5.1~Used Spent Oil | 50.000 | MTA | As Per Annexure |
| I | 5.2~Wastes Residues Containing Oil | 15.000 | MTA | As Per Annexure |

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 343665

Valid upto: 30/06/2028

(This document contains 6 pages excluding annexure )

**Karnataka State Pollution Control Board**
**Parisara Bhavana,No.49, Church Street,Bengaluru-560001**
**Tele : 080-25589112/3, 25581383/388**
**Fax:080-25586321**
**email id: ho@kspcb.gov.in**

| | | | | |
|---|---|---|---|---|
| I | B1031~Molybdenum, tungsten, titanium, tantalum, niobium and rhenium metal and metal alloy wastes in metallic dispersible form (metal powder), excluding such wastes as specified in Part A under entry A1050, Galvanic sludges | 530.000 | MTA | As Per Annexure |
| III | B3050~Untreated cork and wood waste:- Wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms,- Cork waste: crushed, granulated or ground cork | 2900.000 | MTA | As Per Annexure |
| III | DB1010~Metal and metal-alloy wastes in metallic, non-dispersible form:- Precious metals (gold, silver, platinum but not mercury)* *, - Iron and steel scrap * *,- Nickel scrap * *,- Aluminium scrap* *,- Zinc scrap * *,- Tin scrap * *,- Tungsten scrap * *,- Molybd | 350.000 | MTA | As Per Annexure |
| III | DB3020~Paper, paperboard and paper product wastes * * The following materials, provided they are not mixed with hazardous wastes: Waste and scrap of paper or paperboard of: - unbleached paper or paperboard or of corrugated paper or paperboard,- other paper or pa | 3100.000 | MTA | As Per Annexure |

1. The authorization shall be valid for a period upto 30/06/2028

**A. General Conditions of authorization:**

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 343665

Valid upto: 30/06/2028

(This document contains 6 pages excluding annexure )

**Karnataka State Pollution Control Board**
**Parisara Bhavana,No.49, Church Street,Bengaluru-560001**
**Tele : 080-25589112/3, 25581383/388**
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**email id: ho@kspcb.gov.in**

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 Karnataka State Pollution Control Board.

3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.

4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this 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".

7. It is the duty of the authorized person to take prior permission of the Karnataka 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 importer or exporter shall bear the cost of import or export and mitigation of damages if any.

10. 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.

11. An application for the renewal of an authorization shall be made **'3' months** before the date of expiry.

12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.

13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.

14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.

15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.

**Karnataka State Pollution Control Board**
**Parisara Bhavana,No.49, Church Street,Bengaluru-560001**
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**email id: ho@kspcb.gov.in**

16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

17. The hazardous and other waste which gets generated during recycling or reuse or recovery or per-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.

18. The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.

19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).

20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.

21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

**Additional Conditions:**

1)This authorization is issued after prior approval of Member Secretary for the period upto 30.06.2028 with conditions.2)The Occupier shall comply with all the conditions prescribed in the ANNEXURES attached herewith and submit compliance.

For and on behalf of the
Karnataka State Pollution Control Board

**CHIEF/ SENIOR ENVIRONMENTAL OFFICER**

**COPY TO:**
1. The Environmental Officer, KSPCB, Regional Office,for information and to inspect the industry during your next visit to the area.
**2.** Master copy (Dispatch).
**3.** Office copy.

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 343665

Valid upto: 30/06/2028

(This document contains 6 pages excluding annexure )

**Karnataka State Pollution Control Board**
**Parisara Bhavana,No.49, Church Street,Bengaluru-560001**
**Tele : 080-25589112/3, 25581383/388**
**Fax:080-25586321**
**email id: ho@kspcb.gov.in**

*Signature Not Verified*
*Digitally signed by*
*Date: 2024.06.18 15:31:48 +05:30*

**Annexure (PCB ID: 107372)**

**Additional Conditions to accompany Authorization of M/s. Grasim Industries Ltd., (Birla Paints Division)., Plot no: 147-A, 147-B & 147-C(Corner), Badanguppe – Kellamballi Industrial area of KIADB, Village Kasaba Hobli, Chamarajanagar, Karnataka issued under the provisions of the Hazardous and Other Waste (Management And Transboundary Movement) Rules, 2016.**

*****

1. **This authorization shall be valid for a period upto 30/06/2028.**
2. **Industry is authorized to generate, storage, dispose the following Hazardous and Other wastes in accordance with the method authorized in Column no. (4)**

| Category of Hazardous Waste as HWM Rules | Description of the Hazardous/Other Waste | Authorized Quantity In MT/A | Mode of disposal or recycling or utilization Authorized by the Board |
|---|---|---|---|
| **Hazardous waste for processing** | | | |
| Sch-I, 21.2 | Spent Solvent either individually or with mixture of solvent containing: Acetone, Toluene, Benzene, Xylene, Cyclohexane, Methyl Iso Butyl Ketone, Methanol, Iso Propyl Alcohol, Methylene Dichloride, Tetra Hydro Furan, Ethyl Acetate, Dimethyl Formamide, Butyl Acetate, Methyl Acetate, Butanol, Ethanol, Methyl Ethyl Ketone and Iso Propyl Ether. | 3942 | Shall be utilized as captive recycling for reprocessing of spent solvent in accordance with SOP approved by CPCB. |
| **HW Generated during recycling and production** | | | |
| Sch-I, 5.1 | Used Spent Oil | 50 | Shall be collected and stored in secured manner and handed over to KSPCB authorized recyclers/ reprocessor. |

| | | | |
|---|---|---|---|
| Sch-I, 5.2 | Wastes residues containing oil | 15 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch-I, 3.1 | cargo residue, washing water and sludge containing oil | 15 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 3.3 | Sludge and filters contaminated with oil | 15 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 20.1 | Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse | 170 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 20.3 | Distillation residues | 95 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 21.1 | Process wastes, residues and sludges | 120 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 23.1 | Wastes or residues (not made with vegetable or animal materials) | 90 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 33.1 | Barrels/containers/liners contaminated with hazardous chemicals /wastes | 800 | Shall be collected and stored in secured manner and handed over to KSPCB authorized recyclers/co-processing (non-recyclable) /captive Incinerator (non-recyclable). |
| Sch I, 34.1 | Chemical residues | 25 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |

| | | | |
|---|---|---|---|
| Sch I, 35.1 | Exhaust Air or Gas cleaning residue | 10 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 35.2 | Spent ion exchange resin containing toxic metals | 20 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 35.3 | Chemical sludge from waste water treatment | 200 | Shall be stored in secured manner and handed over to KSPCB authorized TSDF |
| Sch I, 35.4 | Oil and grease skimming | 20 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| Sch I, 36.2 | Spent carbon or filter medium | 10 | Shall be stored in secured manner and handed over to KSPCB authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator. |
| **Other Waste** | | | |
| Sch III, Part D, B1010 | Metal and metal-alloy wastes in metallic, non-dispersible form | 350 | Shall be stored in secured manner and hand over to KSPCB authorized actual users/recycler. |
| Sch III, Part B, B1031 | Powder waste | 530 | Shall be stored in secured manner and hand over to KSPCB authorized actual users/recycler. |
| Schedule – III part D, B3020 | Paper Waste | 3100 | Shall be collected and stored in secured manner and handed over to KSPCB authorized actual user/recyclers. |
| Sch III, Part B, B3050 | Wood Wastes | 2900 | Shall be stored in secured manner and handed over to KSPCB authorized actual user/recyclers. |
| Sch III, Part B, B3011 | Solid plastic waste | 1100 | Shall be stored in secured manner and handed over to KSPCB authorized actual user/recyclers. |

The Occupier of the facility (Generator) shall use e-manifest system (Web Portal) for generation of manifest as per Rule 18 of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016, while disposing the Hazardous /Other Waste authorized facility.

3. The authorized actual user of hazardous and other wastes shall maintain records of Hazardous and Other Wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization as per Rule 6(7) of HWM Rules, 2016.
4. The generator shall hand over the Hazardous Waste and Other Waste only to the authorized recycler /actual user of the waste after making appropriate entries in the Passbook issued by the Board to respective actual user as per Rule 6 (8) of H & OW( M & TM) Rules, 2016.
5. The Generator shall not generate and dispose any other Hazardous /Other Waste to any transporter/waste facilitator/TSDF/Incinerator/Co-processing without obtaining prior authorization of the Board under H & OW (M & TM) Rules, 2016.
6. The Generator shall establish environmentally sound procedure for de-contamination of containers ( including liners) for each of the chemicals used by the industry and ensure that, the authorized recycler to whom the industry intends to hand over possess the required facilities required to effective decontamination.
7. The procedure for de-contamination of chemical Containers ( including liners) shall comprise of i) name of the Chemical stored ii) CAS No. iii) Procedure for de-contamination (Water rinse using pressurized or gravity flow, Chemical leaching and extraction, Evaporation/vaporization , Pressurized air jets, Chemical Detoxification, Halogen stripping, Neutralization, Oxidation/ reduction, Disinfection/ Sterilization Chemical disinfection etc., ) iv) Medium for de-contamination ( water, dilute acids, dilute bases, detergents, soaps, organic solvents etc.,) and v) quantity of medium required for each type of chemical container for effective de-contamination, personal protective equipment's required, quality to be achieved, etc., to ensure safe de-contamination of chemicals barrels/container and liners by authorized barrel recyclers before putting the barrels for further industrial use. A copy the decontamination procedure developed by the Generator shall be handed over to the authorized recyclers while handing over the barrels or entering MOU with a Copy to Member Secretary, Karnataka State Pollution Control Board, Bangalore.
8. If any of the container (liner) is not in recyclable conditions or cannot be de-contaminated, then such containers (liners) shall be mandatorily handed over to authorized incinerators/sent of co-processing in cement kiln in case of Plastic/HDPE containers or authorized Secondary Metal recycling unit for metal recovery.
9. The Generator shall carryout periodic audit to ensure de-contamination as per the procedure developed mentioned in conditions no. 6 to 8. The Generators shall be liable under the Extended User Responsibility for violation by the Recyclers in case of non-compliance.

10. The Generator shall dispose off the "PVC and FRP waste, RO membrane etc., to authorized Cement Unit for co-processing/AFR in accordance with Guidelines prescribed by Central Pollution Control Board for "Disposal of Thermoset Plastic Waste including Sheet Molding Compound ( SMC)/ Fiber Reinforced Plastic (FRP)" available in CPCB web site.
11. The hierarchy of disposal in case of incinerable waste shall be in the following order namely i) Co-processing in Cement Kiln ii) handing over to Alternate Fuels and Raw materials processing unit and iii) incineration. In case of land fillable waste, the hierarchy shall be i) handing over to authorized cement kiln to use it as alternate raw materials depending the characteristic of the Waste and acceptance by cement kiln ii ) handing over authorized TSDF.
12. The Occupier of the facility shall dispose off "Used lead Acid Batteries" in accordance with the provisions of the Battery Waste Management Rules, 2022 and shall comply with EPR responsibility of producer.
13. The applicant shall initiate all steps to implement/ promote mission life(Life for environment) objectives coined by Ministry of Environment. Forest and Climate Change, Government of India, an India- lead global mass movement to nudge individual and community action to protect and preserve the environment. For details visit web site at http://missionlife-moefcc.nic.in/.
14. Industry is not permitted to carryout synthesis of any organic chemicals.
15. The applicant shall follow the requirement of Standard Operating Procedure (SOP) notified by Central Pollution Control Board (CPCB).
16. The applicant shall establish in-house barrel decontamination facility to wash all the barrel to make it non-hazardous.
17. **The industry shall submit point wise compliance within 30 days.**

**Senior Environmental Officer**
**Waste Management Cell-2**

05/06

ANNEXURE- III

**Adage Automation Pvt. Limited**
L-26B, Phase II, Verna Industrial Area
Verna, Goa – 403722, INDIA
Tel: 0832-6620500, Fax: 0832-6620599
www.adage-automation.com
CIN No: U 74900 MH 2001 PT133206

Date: 27.09.2026

## CALIBRATION REPORT

| | |
|---|---|
| Customer Name | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| End User | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| **Date of Calibration** | 27.09.26 |
| **Due Date of Calibration** | 26.12.26 |
| **Analyzer** | ADAGE |
| **Tag No** | SPB |
| **Model** | VO-3100 |
| **Serial No.** | I2400001 |
| **PID NO: -** | 24011503 |
| **Units** | Ug/m3 |

| Measured Component | Span value | Analyzer value | TVOC Response |
|---|---|---|---|
| BENZENE | 170 PPM | 32 MG/M^3 | 5.12 % |
| TOULENE | 169 PPM | 150 MG/M^3 | 5.25 % |
| O-XYLENE | 155 PPM | 170 MG/M^3 | 4.75 % |
| ETHYL BENZENE | 169 PPM | 45 MG/M^3 | 3.24 % |
| **TVOC** | **18%** | **365** MG/M^3 | **68%** |

**Signature of Adage Engineer**

**Ganesh Ghodake**

Adage Automation Pvt. Ltd.

**Adage Automation Pvt. Limited**
L-26B, Phase II, Verna Industrial Area
Verna, Goa – 403722, INDIA
Tel: 0832-6620500, Fax: 0832-6620599
www.adage-automation.com
CIN No: U 74900 MH 2001 PT133206

Date: 27.09.2026

## CALIBRATION REPORT

| | |
|---|---|
| Customer Name | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| End User | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| **Date of Calibration** | 27.09.26 |
| **Due Date of Calibration** | 26.12.26 |
| **Analyzer** | ADAGE |
| **Tag No** | EB |
| **Model** | VO-3100 |
| **Serial No.** | I2400003 |
| **PID NO: -** | 24011504 |
| **Units** | Ug/m3 |

| Measured Component | Span value | Analyzer value | TVOC Response |
|---|---|---|---|
| BENZENE | 170 PPM | 25 MG/M^3 | 5.2 % |
| TOULENE | 169 PPM | 40 MG/M^3 | 4.67 % |
| O-XYLENE | 155 PPM | 45 MG/M^3 | 7.1 % |
| ETHYL BENZENE | 169 PPM | 140 MG/M^3 | 34 % |
| **TVOC** | **18%** | **340** MG/M^3 | **34.5 %** |

**Signature of Adage Engineer**

**Ganesh Ghodake**

Adage Automation Pvt. Ltd.

**Adage Automation Pvt. Limited**
L-26B, Phase II, Verna Industrial Area
Verna, Goa – 403722, INDIA
Tel: 0832-6620500, Fax: 0832-6620599
www.adage-automation.com
CIN No: U 74900 MH 2001 PT133206

Date: 27.09.2026

## CALIBRATION REPORT

| | |
|---|---|
| Customer Name | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| End User | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| **Date of Calibration** | 27.09.26 |
| **Due Date of Calibration** | 26.12.26 |
| **Analyzer** | ADAGE |
| **Tag No** | RB |
| **Model** | VO-3100 |
| **Serial No.** | I2400002 |
| **PID NO: -** | 24011704 |
| **Units** | Ug/m3 |

| Measured Component | Span value | Analyzer value | TVOC Response |
|---|---|---|---|
| BENZENE | 170 PPM | 120 MG/M^3 | 21 % |
| TOULENE | 169 PPM | 65 MG/M^3 | 16.8 % |
| O-XYLENE | 155 PPM | 25 MG/M^3 | 4.5 % |
| ETHYL BENZENE | 169 PPM | 24 MG/M^3 | 4.7 % |
| **TVOC** | **18%** | **250** MG/M^3 | **38.79 %** |

**Signature of Adage Engineer**

**Ganesh Ghodake**

Adage Automation Pvt. Ltd.

**Adage Automation Pvt. Limited**
L-26B, Phase II, Verna Industrial Area
Verna, Goa – 403722, INDIA
Tel: 0832-6620500, Fax: 0832-6620599
www.adage-automation.com
CIN No: U 74900 MH 2001 PT133206

Date: 27.09.2026

## CALIBRATION REPORT

| | |
|---|---|
| Customer Name | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| End User | Grasim Industries Limited Birla Paints Division (Chamarajanagar) |
| **Date of Calibration** | 27.09.26 |
| **Due Date of Calibration** | 26.12.26 |
| **Analyzer** | ADAGE |
| **Tag No** | WPB |
| **Model** | VO-3100 |
| **Serial No.** | I2400004 |
| **PID NO: -** | 24011701 |
| **Units** | Ug/m3 |

| Measured Component | Span value | Analyzer value | TVOC Response |
|---|---|---|---|
| BENZENE | 170 PPM | 24 MG/M^3 | 4.87 % |
| TOULENE | 169 PPM | 26 MG/M^3 | 4.88 % |
| O-XYLENE | 155 PPM | 23 MG/M^3 | 5.45% |
| ETHYL BENZENE | 169 PPM | 23 MG/M^3 | 5.45% |
| **TVOC** | **18%** | **95** MG/M^3 | **17.6%** |

**Signature of Adage Engineer**

**Ganesh Ghodake**

Adage Automation Pvt. Ltd.

ANNEXURE-IV



**Ganesh Consultancy & Analytical Services (OPC) Private Limited**

Laboratory : 294A, Hebbal Industrial Area, Mysuru - 570 016 Telephone : 2402986, 4282027 Mobile : 9148337866
Office : 1030, Geetha Road, Chamarajapuram, Mysuru - 570 005 Telephone : 2402987, 4253825
Bengaluru Office : # 895, 2nd B Cross, Hosakere Halli, BSK 3rd Stage, Bengaluru - 560 085
Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com

# TEST REPORT



CUSTOMER ADDRESS,
M/s. Grasim Industries Limited
Birla Paints Division,
Plot No 147A, 147B & 147C Corner,
Badanaguppe Kellamballi Industrial Area,
Chamarajanagar – 571 313.

TC-15192

Control No C-11360/2026
Customer reference Purchase Order
Date of report 29-09-2026

1) Sample description : Ambient Air
2) Sampling location : RM Truck Parking Area South Side
3) Sampled by : Lab Personnel
4) Date of sampling 15-09-2026 to 16-09-2026
5) Duration of sampling 24Hrs
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC1519226000006031F**

| Sl. No | Test | Unit | Result | NAAQ Standards | Test Method |
|---|---|---|---|---|---|
| 1 | Sulphur dioxide | µg/m³ | 8.19 | 80 | IS 5182 P-2:2001 |
| 2 | Nitrogen Dioxides | µg/m³ | 34.20 | 80 | IS 5182 P-6:2006 |
| 3 | Particulate Matter (Size less than 10 µm) | µg/m³ | 48.15 | 100 | IS 5182 P-23:2006 |
| 4 | Particulate Matter (Size less than 2.5 µm) | µg/m³ | 19.40 | 60 | IS 5182 P-24:2019 |
| 5 | Ozone | µg/m³ | BLQ (LOQ: 0.01) | 100 | GCAS/SOP/7.2/AA/O3 |
| 6 | Lead | µg/m³ | BLQ (LOQ: 0.01) | 1.0 | GCAS/SOP/7.2/AA/M |
| 7 | Carbon Monoxide | mg/m³ | BLQ (LOQ:1.10) | 4 | IS 5182 P-10 :1999 |
| 8 | Ammonia | µg/m³ | BLQ (LOQ:1.0) | 400 | IS 5182 P-25:2018 |
| 9 | Benzene | µg/m³ | BLQ (LOQ: 0.01) | 5 | IS 5182 P-11:2006 |
| 10 | Benzo (a) Pyrene - (BaP) particulate phase only | ng/m³ | BLQ (LOQ: 0.01) | 1 | GCAS/SOP/7.2/AA/BaP |
| 11 | Arsenic | ng/m³ | BLQ (LOQ: 1.0) | 6 | GCAS/SOP/7.2/AA/M |
| 12 | Nickel | ng/m³ | BLQ (LOQ: 1 0) | 20 | GCAS/SOP/7.2/AA/M |

Note: NAAQ: The National Ambient Air Quality Standards
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Comments: The given sample results **conform** to the NAAQ standards for the tested parameters.

***End of the Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

Authorised Signatory

NOTE : 1. The results listed refer only to the tested samples and applicable parameters. Endorsement of products neither inferred nor implied.
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# Ganesh Consultancy & Analytical Services (OPC) Private Limited

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Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com


## TEST REPORT



CUSTOMER ADDRESS,
M/s. Grasim Industries Limited
Birla Paints Division,
Plot No 147A, 147B & 147C Corner,
Badanaguppe Kellamballi Industrial Area,
Chamarajanagar – 571 313.

TC-15192

Control No C-11361/2026
Customer reference Purchase Order
Date of report 29-09-2026

1) Sample description : Ambient Air
2) Sampling location : FG Gate – West Side
3) Sampled by : Lab Personnel
4) Date of sampling 16-09-2026 to 17-09-2026
5) Duration of sampling 24Hrs.
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC1519226000006032F**

| Sl. No | Test | Unit | Result | NAAQ Standards | Test Method |
|---|---|---|---|---|---|
| 1 | Sulphur dioxide | µg/m³ | 8.98 | 80 | IS 5182 P-2:2001 |
| 2 | Nitrogen Dioxides | µg/m³ | 31.72 | 80 | IS 5182 P-6:2006 |
| 3 | Particulate Matter (Size less than 10 µm) | µg/m³ | 56.31 | 100 | IS 5182 P-23:2006 |
| 4 | Particulate Matter (Size less than 2.5 µm) | µg/m³ | 19.85 | 60 | IS 5182 P-24:2019 |
| 5 | Ozone | µg/m³ | BLQ (LOQ: 0.01) | 100 | GCAS/SOP/7.2/AA/O3 |
| 6 | Lead | µg/m³ | BLQ (LOQ: 0.01) | 1.0 | GCAS/SOP/7.2/AA/M |
| 7 | Carbon Monoxide | mg/m³ | BLQ (LOQ:1.10) | 4 | IS 5182 P-10 :1999 |
| 8 | Ammonia | µg/m³ | BLQ (LOQ:1.0) | 400 | IS 5182 P-25.2018 |
| 9 | Benzene | µg/m³ | BLQ (LOQ: 0.01) | 5 | IS 5182 P-11:2006 |
| 10 | Benzo (a) Pyrene - (BaP) particulate phase only | ng/m³ | BLQ (LOQ: 0.01) | 1 | GCAS/SOP/7.2/AA/BaP |
| 11 | Arsenic | ng/m³ | BLQ (LOQ: 1.0) | 6 | GCAS/SOP/7.2/AA/M |
| 12 | Nickel | ng/m³ | BLQ (LOQ: 1.0) | 20 | GCAS/SOP/7.2/AA/M |

Note. NAAQ: The National Ambient Air Quality Standards.
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Comments: The given sample results **conform** to the NAAQ standards for the tested parameters.

***End of the Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

Authorised Signatory

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Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com


## TEST REPORT



CUSTOMER ADDRESS,
M/s. Grasim Industries Limited
Birla Paints Division,
Plot No 147A, 147B & 147C Corner,
Badanaguppe Kellamballi Industrial Area,
Chamarajanagar – 571 313.

TC-15192

Control No C-11362/2026
Customer reference Purchase Order
Date of report 29-09-2026

1) Sample description : Ambient Air
2) Sampling location : Admin. Gate - East side
3) Sampled by : Lab Personnel
4) Date of sampling 16-09-2026 to 17-09-2026
5) Duration of sampling 24Hrs.
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC151922600000603 3F**

| Sl. No | Test | Unit | Result | NAAQ Standards | Test Method |
|---|---|---|---|---|---|
| 1 | Sulphur dioxide | µg/m³ | 10.31 | 80 | IS 5182 P-2:2001 |
| 2 | Nitrogen Dioxides | µg/m³ | 33.03 | 80 | IS 5182 P-6:2006 |
| 3 | Particulate Matter (Size less than 10 µm) | µg/m³ | 43.56 | 100 | IS 5182 P-23:2006 |
| 4 | Particulate Matter (Size less than 2.5 µm) | µg/m³ | 19.26 | 60 | IS 5182 P-24:2019 |
| 5 | Ozone | µg/m³ | BLQ (LOQ: 0.01) | 100 | GCAS/SOP/7.2/AA/O3 |
| 6 | Lead | µg/m³ | BLQ (LOQ: 0.01) | 1.0 | GCAS/SOP/7.2/AA/M |
| 7 | Carbon Monoxide | mg/m³ | BLQ (LOQ:1.10) | 4 | IS 5182 P-10 :1999 |
| 8 | Ammonia | µg/m³ | BLQ (LOQ:1.0) | 400 | IS 5182 P-25:2018 |
| 9 | Benzene | µg/m³ | BLQ (LOQ: 0.01) | 5 | IS 5182 P-11:2006 |
| 10 | Benzo (a) Pyrene - (BaP) particulate phase only | ng/m³ | BLQ (LOQ: 0.01) | 1 | GCAS/SOP/7.2/AA/BaP |
| 11 | Arsenic | ng/m³ | BLQ (LOQ: 1.0) | 6 | GCAS/SOP/7.2/AA/M |
| 12 | Nickel | ng/m³ | BLQ (LOQ: 1.0) | 20 | GCAS/SOP/7.2/AA/M |

Note: NAAQ: The National Ambient Air Quality Standards.
BLQ: Below Limit of Quantification, LOQ. Limit of Quantification

Comments: The given sample results **conform** to the NAAQ standards for the tested parameters.

***End of the Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

Authorised Signatory

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Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com


## TEST REPORT



CUSTOMER ADDRESS,
M/s. Grasim Industries Limited
Birla Paints Division,
Plot No 147A, 147B & 147C Corner,
Badanaguppe Kellamballi Industrial Area,
Chamarajanagar – 571 313.

TC-15192

| | |
|---|---|
| Control No | C-11359/2026 |
| Customer reference | Purchase Order |
| Date of report | 29-09-2026 |

1) Sample description : Ambient Air
2) Sampling location : ETP Area – North Side
3) Sampled by : Lab Personnel
4) Date of sampling : 15-09-2026 to 16-09-2026
5) Duration of sampling : 24Hrs.
6) Sampling protocol : GCAS/QSP/7.3.1/SP & SM

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC151922600000603OF**

| Sl. No | Test | Unit | Result | NAAQ Standards | Test Method |
|---|---|---|---|---|---|
| 1 | Sulphur dioxide | µg/m³ | 10.31 | 80 | IS 5182 P-2:2001 |
| 2 | Nitrogen Dioxides | µg/m³ | 37.11 | 80 | IS 5182 P-6:2006 |
| 3 | Particulate Matter (Size less than 10 µm) | µg/m³ | 53 35 | 100 | IS 5182 P-23:2006 |
| 4 | Particulate Matter (Size less than 2.5 µm) | µg/m³ | 20.10 | 60 | IS 5182 P-24:2019 |
| 5 | Ozone | µg/m³ | BLQ (LOQ: 0.01) | 100 | GCAS/SOP/7.2/AA/O3 |
| 6 | Lead | µg/m³ | BLQ (LOQ: 0.01) | 1.0 | GCAS/SOP/7.2/AA/M |
| 7 | Carbon Monoxide | mg/m³ | BLQ (LOQ:1.10) | 4 | IS 5182 P-10 :1999 |
| 8 | Ammonia | µg/m³ | BLQ (LOQ:1.0) | 400 | IS 5182 P-25:2018 |
| 9 | Benzene | µg/m³ | BLQ (LOQ: 0.01) | 5 | IS 5182 P-11:2006 |
| 10 | Benzo (a) Pyrene - (BaP) particulate phase only | ng/m³ | BLQ (LOQ: 0.01) | 1 | GCAS/SOP/7.2/AA/BaP |
| 11 | Arsenic | ng/m³ | BLQ (LOQ: 1.0) | 6 | GCAS/SOP/7.2/AA/M |
| 12 | Nickel | ng/m³ | BLQ (LOQ: 1.0) | 20 | GCAS/SOP/7.2/AA/M |

Note. NAAQ: The National Ambient Air Quality Standards
BLQ: Below Limit of Quantification, LOQ. Limit of Quantification

Comments: The given sample results **conform** to the NAAQ standards for the tested parameters

***End of the Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

Authorised Signatory

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ANNEXURE - V




# Ganesh Consultancy & Analytical Services (OPC) Private Limited

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Email : info@ganeshlaboratory.com, lab.ganesh@gmail.com • Web : www.ganeshlaboratory.com


## TEST REPORT

### AMBIENT NOISE LEVEL MONITORING REPORT

| | | | |
|---|---|---|---|
| 1. | Name of the Company | : | M/S. GRASIM INDUSTRIES LIMITED |
| 2. | Sample Collected by | : | Lab. Personnel |
| 3. | Date of Collection | : | 15-09-2026 12:00 PM to 16-09-2026 11:59 AM |
| 4. | Particulars of Sample Collected | : | Ambient Noise Level Monitoring |
| 5. | Date of Sample Receipt | : | 16-09-2026 |
| 6. | Sample Number | : | C-11363 |
| 7. | Method Adopted | : | GCAS/QSP/7.3.1/SP&SM |

TC-15192

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC1519226000006034F**

| Sample Location | Time Frequency | Parameters | | | Standard |
|---|---|---|---|---|---|
| | | Max. | Min. | Leq in dB(A) | Leq in dB (A) |
| RM truck parking Area – South side | 12:00 PM – 10:00 PM | 64.2 | 55.4 | 59.8 | 75 dB(A) |
| | 10:01 PM – 06:00 AM | 62.4 | 53.1 | 57.7 | 70 dB(A) |
| | 06:01 AM – 11:59 AM | 61.7 | 52.5 | 57.1 | 75 dB(A) |

Note :
- Day Time is reckoned between 6 A.M and 10 P.M
- Night Time is reckoned between 10 P.M and 6 A.M
- $L_{eq}$: It is energy mean of the noise level over a specified period.
- *dB (A) $L_{eq}$ denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) $L_{eq}$, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

| | |
|---|---|
| REMARKS | As per CPCB Standards,<br>Report Status: - The measured values for the above Locations are within the standards. |

***End of Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

Authorised Signatory

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# TEST REPORT

## AMBIENT NOISE LEVEL MONITORING REPORT

| | | | |
|---|---|---|---|
| 1. | Name of the Company | : | M/S. GRASIM INDUSTRIES LIMITED |
| 2. | Sample Collected by | : | Lab. Personnel |
| 3. | Date of Collection | : | 15-09-2026 12:20 PM to 16-09-2026 12:19 PM |
| 4. | Particulars of Sample Collected | : | Ambient Noise Level Monitoring |
| 5. | Date of Sample Receipt | : | 16-09-2026 |
| 6. | Sample Number | : | C-11364 |
| 7. | Method Adopted | : | GCAS/QSP/7.3.1/SP&SM |

TC-15192

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC1519226000006035F**

| Sample Location | Time Frequency | Parameters | | | Standard |
|---|---|---|---|---|---|
| | | Max. | Min. | Leq in dB(A) | Leq in dB (A) |
| ETP Area – North Side | 12:20 PM – 10:00 PM | 60.1 | 56.4 | 58.2 | 75 dB(A) |
| | 10:01 PM – 06:00 AM | 62.1 | 52.7 | 57.4 | 70 dB(A) |
| | 06:01 AM – 12:19 PM | 61.3 | 52.5 | 56.9 | 75 dB(A) |

Note
- Day Time is reckoned between 6 A.M and 10 P.M
- Night Time is reckoned between 10 P.M and 6 A.M
- $L_{eq}$: It is energy mean of the noise level over a specified period.
- *dB (A) $L_{eq}$ denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) $L_{eq}$, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

| | |
|---|---|
| REMARKS | As per CPCB Standards,<br>Report Status: - The measured values for the above Locations are within the standards. |

***End of Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

Authorised Signatory

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## TEST REPORT

### AMBIENT NOISE LEVEL MONITORING REPORT

| | | | |
|---|---|---|---|
| 1. | Name of the Company | : | M/S. GRASIM INDUSTRIES LIMITED |
| 2. | Sample Collected by | : | Lab. Personnel |
| 3. | Date of Collection | : | 16-09-2026 12:30 PM to 17-09-2026 12:29 PM |
| 4. | Particulars of Sample Collected | : | Ambient Noise Level Monitoring |
| 5. | Date of Sample Receipt | : | 17-09-2026 |
| 6. | Sample Number | : | C-11365 |
| 7. | Method Adopted | : | GCAS/QSP/7.3.1/SP&SM |

TC-15192

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC1519226000006036F**

| Sample Location | Time Frequency | Parameters | | | Standard |
|---|---|---|---|---|---|
| | | Max. | Min. | Leq in dB(A) | Leq in dB (A) |
| Admin Gate Area-East side | 12:30 PM – 10:00 PM | 63.6 | 51.1 | 57.3 | 75 dB(A) |
| | 10:01 PM – 06:00 AM | 61.5 | 50.5 | 56.0 | 70 dB(A) |
| | 06:01 AM – 12:29 PM | 64.8 | 52.3 | 58.5 | 75 dB(A) |

Note :

- Day Time is reckoned between 6 A M and 10 P.M
- Night Time is reckoned between 10 P.M and 6 A.M
- $L_{eq}$: It is energy mean of the noise level over a specified period.
- *dB (A) $L_{eq}$ denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) $L_{eq}$, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

| | |
|---|---|
| REMARKS | As per CPCB Standards,<br>Report Status - The measured values for the above Locations are within the standards. |

***End of Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

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## TEST REPORT

### AMBIENT NOISE LEVEL MONITORING REPORT

| | | | |
|---|---|---|---|
| 1. | Name of the Company | : | M/S. GRASIM INDUSTRIES LIMITED |
| 2. | Sample Collected by | : | Lab. Personnel |
| 3. | Date of Collection | : | 16-09-2026 12:40 PM to 17-09-2026 12:39 PM |
| 4. | Particulars of Sample Collected | : | Ambient Noise Level Monitoring |
| 5. | Date of Sample Receipt | : | 17-09-2026 |
| 6. | Sample Number | : | C-11366 |
| 7. | Method Adopted | : | GCAS/QSP/7.3.1/SP&SM |

TC-15192

**Discipline: Chemical** **Group: Atmospheric Pollution** **ULR No.: TC1519226000006037F**

| Sample Location | Time Frequency | Parameters | | | Standard |
|---|---|---|---|---|---|
| | | Max | Min. | Leq in dB(A) | Leq in dB (A) |
| FG Gate Area – West side | 12:40 PM – 10:00 PM | 62.9 | 51.7 | 57.3 | 75 dB(A) |
| | 10:01 PM – 06:00 AM | 61.2 | 52.9 | 57.0 | 70 dB(A) |
| | 06:01 AM – 12:39 PM | 60.8 | 50.5 | 55.6 | 75 dB(A) |

Note :
- Day Time is reckoned between 6 A.M and 10 P.M
- Night Time is reckoned between 10 P.M and 6 A.M
- $L_{eq}$: It is energy mean of the noise level over a specified period.
- *dB (A) $L_{eq}$ denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) $L_{eq}$, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

| | |
|---|---|
| REMARKS | As per CPCB Standards,<br>Report Status - The measured values for the above Locations are within the standards. |

***End of Report***

Reviewed By

For GANESH CONSULTANCY & ANALYTICAL SERVICES (OPC) PRIVATE LIMITED

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ANNEXURE-VI

ADITYA BIRLA GRASIM

# Attendance sheet

BIRLA opus PAINTS

Date: 02/08/26

Time: 4PM to 5PM

Training: Chemical Splash Emergency Response and Safe handling.

Location: SPB - process.

| Sl. No | Name | ID No | Department | Designation | Signature |
|---|---|---|---|---|---|
| 1. | Mallikarjun | 473059 | SPB | DE | |
| 2. | Adarsha. A | 473193 | SPB | SME | |
| 3. | Suyathu | 473197 | SPB | DE | Suyathu |
| 4. | Likhitha | 726466 | SPB | DET | |
| 5. | Kethan | 465022 | SPB | DE | |
| 6. | Mahesh | 702860 | SPB | DE | |
| 7. | Rakshith Suvarna | 703687 | SPB | DE | |
| 8. | Rakshith | 703531 | Quality | DE | Rakshith |
| 9. | Shorath K.S | 88hh | SPB | Trainee | |
| 10. | Rmurthy | 7988 | SPB | Top line | |
| 11. | Manojkumar | 5257 | SPB | SE | |
| 12. | Mahadevaprasad.B | 4089 | SPB | Skill | |
| 13. | Lamarth Kumar | 4299 | SPB | SKILL | |
| 14. | Mahadevagouda M | 4005 | SPB | Skill | |
| 15. | Chandan | 4292 | SPB | unskill | |
| 16. | Sreyas | 4284 | SPB | unskill | |
| 17. | Rakshith kumar | 702861 | SPB | DE | |
| 18. | Hussain Peera | 448559 | EHS | Executive | |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |

Feedback / Recommendations: -

Signature:

Dr. Ashwin

3/08/26.

ANNEXURE - VII

## CER Status

| # | Description | CER Activity | Budgeted Cost | Actual spent | Completion date | Status |
|---|---|---|---|---|---|---|
| 1 | Forest Department: Fauna Conservation 1.1 Bolero vehicle for forest dept. | Two Bolero vehicle provided to forest dept. | 18 lakhs | 17.78 lakhs | 09.02.2023 | Completed |
| | 1.2 Antipoaching camp | Rest shelter at Punajanuru forest reserve | 19.5 | 19.45 | WIP | Grasim has deposited the required fund to BRT for development of Antipoaching camp at Kurimandi, Punajanuru forest range and currently the antipoaching camp building work is in the final completion stage. |
| 2 | Pond Rejuvenation at Doddammthayi Temple. | Pond Rejuvenation work completed | 23 lakhs | 23.13 lakhs | 31.08.2023 | Completed |
| 3 | External green belt development at kasturu & Mariyala | Green belt developed at<br>1. Kasturu Village, Near Doddammthayi Temple<br>2. Mariyala Village, Near Basvarajendra Hospital | 15 lakhs | 14 lakhs | 31.03.2024 | Completed |
| | **Total** | | **75 lakhs** | **74.36 lakhs** | | |

# Glimpses of CER Activity- Vehicle Hand Over to BRT Tiger Reserve

ADITYA BIRLA GROUP

Fauna conservation plan in ummathur conservation Reserve

Provided Two Mahindra Bolero vehicles to BRT Tiger Reserve for fauna conservation







# Glimpses of CER Activity- Pond Rejuvenation at Dodamma Thayi Temple

Before





After



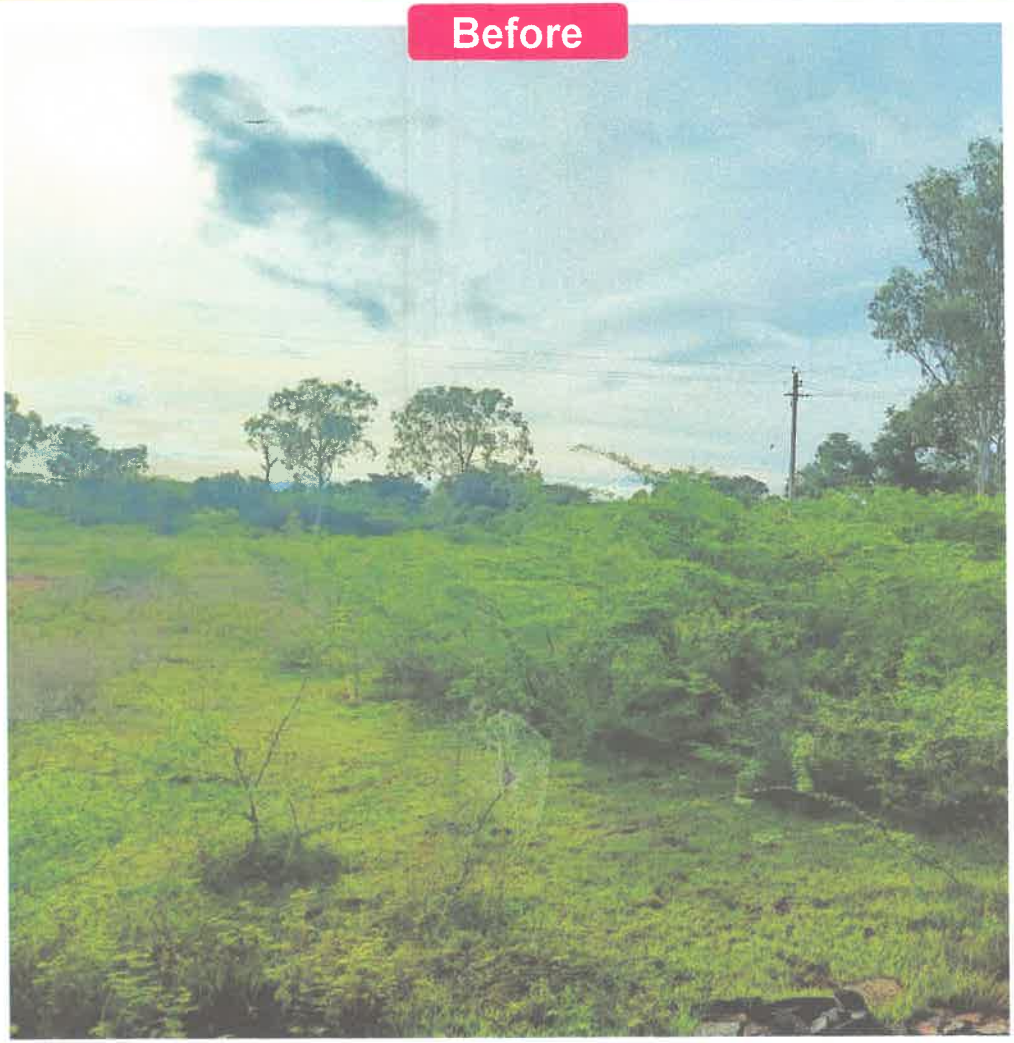





# Glimpses of CER Activity- Green Belt Development at Kasturu Village.

ADITYA BIRLA GROUP

Before



After







# Glimpses of CER Activity- Green Belt Development at Mariyalla Village

ADITYA BIRLA GROUP













# Glimpses of CER Activity- Antipoaching Camp at Kurimandi, Punajanuru Forest Range

ADITYA BIRLA GROUP












ANNEXURE - VIII

# ENVIRONMENT POLICY

Grasim Industries Limited ("Grasim" or "the Company") operates across a diversified portfolio of businesses, including Cellulosic Fibres, Textiles, Chemicals, Paints, Insulators and B2B E-Commerce, and is part of the Aditya Birla Group ("Group"), guided by the values of Integrity, Commitment, Passion, Seamlessness, and Speed, with a Group purpose to "Enrich lives, by building dynamic and responsible businesses and institutions, that inspire trust". Recognising effective environmental management as fundamental to sustainable business performance, Grasim integrates responsible environmental practices into its governance frameworks, management systems, and operations, to minimise environmental impact, enhance operational resilience, and demonstrate environmental stewardship. The Company has established a robust governance framework to oversee environmental performance, climate-related actions, including its engagement with trade bodies and industry associations, ensuring such participation aligns with its climate strategy, decarbonization pathway, Net Zero ambitions, and long-term sustainability goals, regulatory expectations and principles of responsible advocacy.

**Applicability**

This Policy applies to all businesses, sites and offices owned, controlled, or managed by Grasim. Where appropriate, and in accordance with contractual arrangements and Company policies, its principles may be extended to suppliers, vendors, contractors, joint-venture partners, and other business partners.

**Oversight**

Business Heads are accountable for implementation, compliance, and continual improvement of this Policy across their respective operations. Environmental performance is reviewed through established internal monitoring and review mechanisms.

**Commitments**

In pursuit of sustainable development and responsible business conduct, Grasim is committed to:

- Comply with all applicable environmental laws, regulations, and statutory requirements, while striving to adopt standards that go beyond minimum compliance.
- Develop, implement, and maintain internationally recognized Environmental Management System (EMS) across operations and new projects.
- Align environmental initiatives with globally recognized frameworks, including the United Nations Sustainable Development Goals (SDG).
- Drive continual improvement in environmental performance through efficient use of natural resources, including water, energy, and raw materials.
- Prevent pollution and minimise environmental impacts through responsible operational control.
- Adopt the waste management hierarchy – Reduce, Reuse, Recycle, Recovery, and safe Treatment & Disposal, while promoting circular economy practices to minimise waste generation and conserve resources across operations.
- Improve the environmental performance of products and processes by encouraging research, innovation and adopting cleaner technologies that reduce environmental and carbon footprints.

- Address climate change proactively by reducing greenhouse gas and other non-greenhouse gas emissions, through measurable targets, expanding renewable energy use, improving energy efficiency, and integrating low-carbon technologies to enhance operational eco-efficiency.
- Minimise impacts on biodiversity and ecosystems through responsible land use practices, habitat restoration efforts, and conservation initiatives.
- Engage with the supply chain to promote responsible sourcing, reduced transport impacts, transparency, and accountability, aligned with Grasim's environmental expectations.
- Build environmental capability and awareness across the organization through training, participation, consultation and effective communication with internal and external stakeholders;
- Monitor, measure, and report environmental performance, risks, and management initiatives using internationally recognised protocols.
- Conduct regular internal and third-party audits, including environmental due diligence during mergers and acquisitions.

**Review**

This policy is accessible to all our stakeholders and shall be reviewed periodically to ensure its continued relevance, effectiveness, alignment with regulatory requirements, evolving best practices as necessary and will be reviewed atleast once in three years.

For Grasim Industries Ltd.

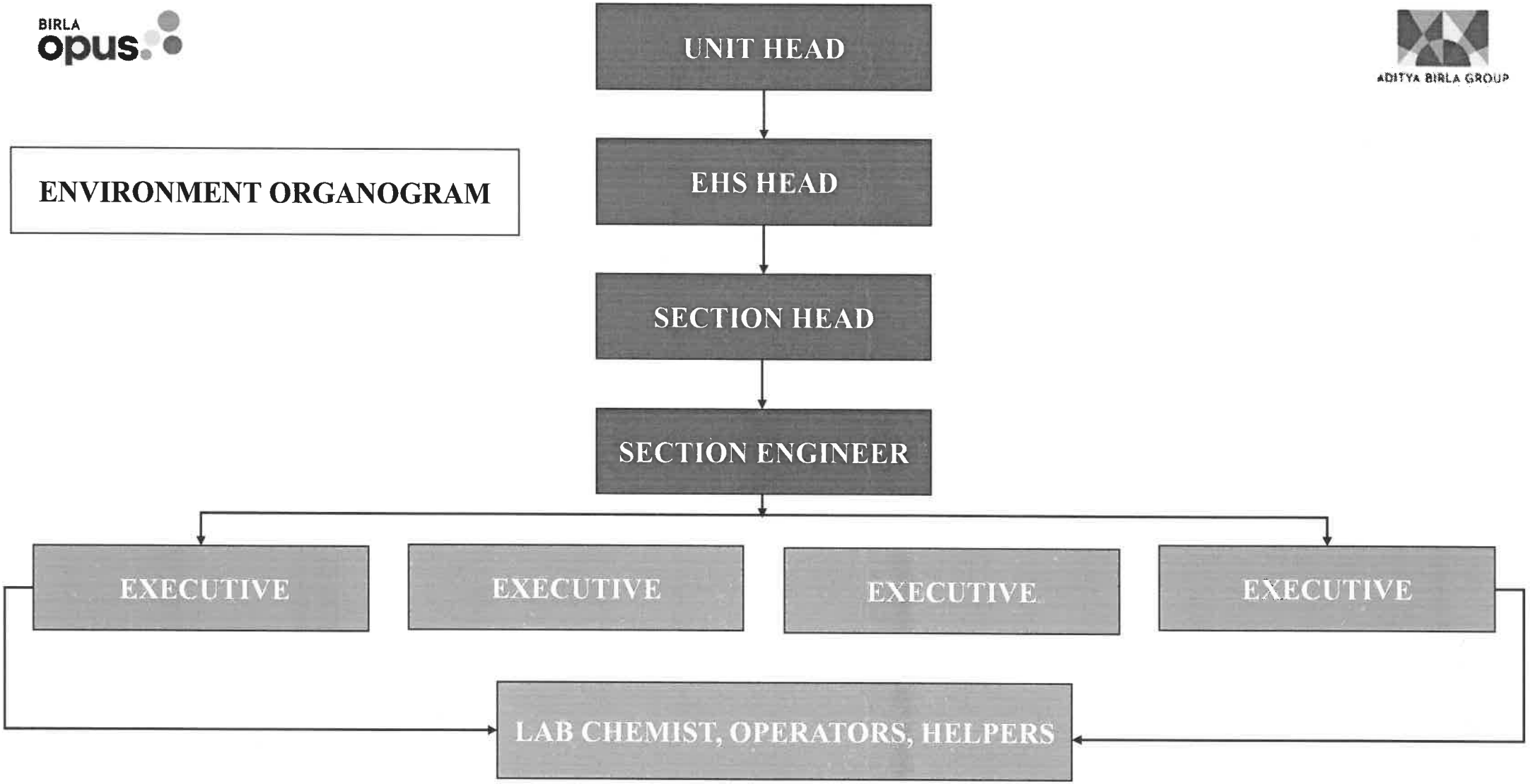
Himanshu Kapania,
Managing Director
29th Aug 2026

ANNEXURE - IX

BIRLA opus

ADITYA BIRLA GROUP

# ENVIRONMENT ORGANOGRAM



ANNEXURE-X

BIRLA opus

ADITYA BIRLA GROUP

| EMP Expenditure Details - Grasim Industries Limited, Chamarajanagar | | | | | | |
|---|---|---|---|---|---|---|
| Year | 2022 | 2023 | 2024 | 2025 | 2026 | Grand Total |
| EMP Expenditure Spent in Lakh | 1.0 | 4697.57 | 906.96 | 303.69 | 100.69 | 6009 |

ANNEXURE- XI

**Ref No: ABG/GIL/CRN/2026-27/49** **Date: 16.09.2026**

**To,**
**The Environmental Officer,**
**Karnataka State Pollution Control Board**
**9/133, 2nd Floor, SPS Complex,**
**Vaniyar Street- Chamarajanagar.**
**Karnataka 571313**

**Subject:** Submission of Environment statement Form-5 report for April 2025-March 2026.

**Reference:**
1. Environment clearance No. SEIAA/48/IND/2021 dated 11/04/2022
2. Consent for Operation No. AW-342557 dated 20/03/2024, Valid upto 30/06/2028

**Dear Sir/ Madam,**

With reference to the above subject, we are herewith submitting the Form 5 – Environment statement report for April 2025 - March 2026 along with annexures. This is for your kind information and perusal.

Kindly acknowledge the receipt of letter along with annexures.

Thanking You.

**Yours's Sincerely,**

GRASIM INDUSTRIES LIMITED CHAMARAJANAGAR

**G Breedh Kumar**
**Senior General Manager & Unit Head- Chamarajanagar**
**Authorized Signatory**
**For Grasim Industries Ltd (Birla Paints Division)**

ನಂ 44 ದಿನಾಂಕ 16.9.26

**ENVIRONMENTAL STATEMENT FORM-V**
**(See rule 14)**

Environmental Statement for the financial year ending on 31st March or before 30th of September every year.

**PART-A**

| | |
|---|---|
| i. Name and address of the owner/Occupier of the industry, Operation or process | Grasim Industries Private Limited (Birla Paints Division) 147-A, 147-B, & 147-C, Badanguppe – Kellamballi Industrial Area KIADB, Chamarajanagar - 571313 |
| ii. Industry category Primary- (STC Code) Secondary- (STC Code) | Large Red |

iii. Production category – Units:

| Sr. No | Product name | Quantity | UOM |
|---|---|---|---|
| 1 | Paints | 400000 | KL/A |

iv. Year of establishment: **2024**

v. Date of the last environmental statement submitted: **29 SEPTEMBER 2025**

## PART –B

## WATER AND RAW MATERIAL CONSUMPTION

### 1. Water Consumption in $m^3/d$

| Water Consumption in $m^3/d$ | Financial Year 2025-26 |
|---|---|
| Process | 92.128 m3/d |
| Cooling | 43.760 m3/d |
| Domestic | 25.786 m3/d |

### 2. Process Water Consumption Per Unit of Product Output (Ltrs /MT or Ltrs/KL or KL/KL)

| Name of the Products | During the previous financial year (2024-25) | | During the current financial year (2025-26) | |
|---|---|---|---|---|
| | Production | Water consumption/Unit | Production | Water consumption/ Unit |
| Paints | 19696 KL | 0.553 KL/KL | 72767 KL | 0.461 KL/KL |

**Note:** *As per the submitted Form 4 Annual Return for FY 2025-26 (Ref. No. ABG/GIL/CRN/2026-27/19), the production quantity was reported as 71,828 KL. Subsequently, an additional 939 KL has been incorporated into the total production quantity. Accordingly, the actual production quantity considered in the Form 5 Report is 72,767 KL, as detailed above.*

### 3. Raw material consumption

| Name of the raw materials | Name of Products | Consumption of raw material per unit of output | |
|---|---|---|---|
| | | During the previous financial year (2024-25) (kg/L of output) | During the current financial year (2025-26) (kg/L of output) |
| Additives | Paint | 0.399 | 0.052 |
| Extenders | Paint | 0.486 | 0.356 |
| Pigments | Paint | 0.286 | 0.073 |
| Resin | Paint | 0.004 | 0.096 |
| Solvents | Paint | 0.206 | 0.039 |
| Emulsion | Paint | - | 0.225 |
| Miscellaneous/Others | Paint | 0.028 | 0.409 |

## PART-C

**Pollution discharged to environment/unit of output.**
(Parameter as specified in the consent issued)

**(a)Water pollutant**

| Sr. NO | Parameter | Quantity of pollutants discharged (Kg/day) | Concentration of pollutants discharged(mass/volume) (mg/L) | Percentage of variation from prescribed standards with reasons. |
|---|---|---|---|---|
| **SEWAGE TREATED WATER PARAMETERS** | | | | |
| 1 | pH | - | 6.92 | All parameters are within the PCB limits |
| 2 | Total Suspended Solids, mg/l | 0.00019 | 7.50 | |
| 3 | BOD, mg/l (3 days at 27 c) | 0.00015 | 6.00 | |
| 4 | COD, mg/l | 0.00091 | 35.33 | |
| 5 | Ammoniacal Nitrogen (NH4-N, mg/l) | 0.00004 | 1.41 | |
| 6 | Total Nitrogen (N-Total mg/l) | 0.00016 | 6.26 | |
| 7 | Faecal Coliform (MPN/100ml) | - | <2 | |

(b)Air Pollutant

| Sr. NO | Parameter | Quantity of pollutants discharged (Kg/day) | Concentration of pollutants discharged(mass/volume) (mg/Nm3) | Percentage of variation from prescribed standards with reasons. |
|---|---|---|---|---|
| DG 2000 KVA No1 | | | | |
| 1 | Particulate Matter, mg/m3 | 1.69 | 17.87 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 2.61 | 27.62 | |
| 3 | Oxides of Nitrogen, mg/m3 | 5.57 | 58.92 | |
| 4 | Carbon Monoxide, mg/m3 | 4.71 | 49.78 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 1.44 | 15.25 | |
| DG 2000 KVA No 2 | | | | |
| 1 | Particulate Matter, mg/m3 | 1.54 | 16.36 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 2.56 | 27.21 | |

| | | | | |
|---|---|---|---|---|
| 3 | Oxides of Nitrogen, mg/m3 | 5.63 | 59.92 | |
| 4 | Carbon Monoxide, mg/m3 | 4.59 | 48.86 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 1.34 | 14.20 | |
| | | | | |
| DG 1010 KVA | | | | |
| 1 | Particulate Matter, mg/m3 | 1.08 | 19.25 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 1.41 | 25.10 | |
| 3 | Oxides of Nitrogen, mg/m3 | 2.81 | 49.94 | |
| 4 | Carbon Monoxide, mg/m3 | 3.70 | 65.90 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 0.98 | 17.51 | |
| Boiler 2 TPH 1 | | | | |
| 1 | Particulate Matter, mg/m3 | 8.99 | 22.57 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 4.59 | 11.52 | |
| 3 | Oxides of Nitrogen, mg/m3 | 14.20 | 35.64 | |
| 4 | Carbon Monoxide, mg/m3 | 35.03 | 87.90 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 9.62 | 24.13 | |
| Boiler 2 TPH 2 | | | | |
| 1 | Particulate Matter, mg/m3 | 9.31 | 22.64 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 5.69 | 13.84 | |
| 3 | Oxides of Nitrogen, mg/m3 | 13.84 | 33.65 | |
| 4 | Carbon Monoxide, mg/m3 | 35.19 | 85.54 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 9.57 | 23.26 | |
| Boiler 2 TPH 3 | | | | |
| 1 | Particulate Matter, mg/m3 | 9.29 | 22.72 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 5.27 | 12.88 | |
| 3 | Oxides of Nitrogen, mg/m3 | 14.93 | 36.49 | |
| 4 | Carbon Monoxide, mg/m3 | 33.49 | 81.87 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 9.59 | 23.45 | |
| Boiler 0.5 TPH | | | | |
| 1 | Particulate Matter, mg/m3 | 11.14 | 27.77 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 5.63 | 14.04 | |
| 3 | Oxides of Nitrogen, mg/m3 | 14.40 | 35.88 | |
| 4 | Carbon Monoxide, mg/m3 | 34.51 | 86.02 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 10.53 | 26.24 | |
| Thermic Fluid 20 Lac K Cal No 1 | | | | |
| 1 | Particulate Matter, mg/m3 | 10.23 | 21.75 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 6.57 | 13.96 | |
| 3 | Oxides of Nitrogen, mg/m3 | 16.14 | 34.30 | |
| 4 | Carbon Monoxide, mg/m3 | 40.92 | 86.96 | |

| | | | | |
|---|---|---|---|---|
| 5 | Non-Methane Hydrocarbon, mg/m3 | 11.48 | 24.39 | |
| Thermic Fluid 20 Lac K Cal No 2 | | | | |
| 1 | Particulate Matter, mg/m3 | 9.36 | 22.35 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 6.01 | 12.81 | |
| 3 | Oxides of Nitrogen, mg/m3 | 14.77 | 35.24 | |
| 4 | Carbon Monoxide, mg/m3 | 37.45 | 83.90 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 10.50 | 24.81 | |
| Thermic Fluid 20 Lac K Cal No 3 | | | | |
| 1 | Particulate Matter, mg/m3 | 9.95 | 21.22 | All parameters are within the PCB limits |
| 2 | Sulphur dioxide, mg/m3 | 5.70 | 13.35 | |
| 3 | Oxides of Nitrogen, mg/m3 | 15.68 | 36.26 | |
| 4 | Carbon Monoxide, mg/m3 | 37.33 | 84.42 | |
| 5 | Non-Methane Hydrocarbon, mg/m3 | 11.04 | 22.63 | |
| | | | | |
| | | | | |
| Process stack-1- RPB | | | | |
| 1 | VOC in mg/m3 | 0.028 | 2.053 | All Parameters are within the PCB limits |
| Process stack-2-SPB | | | | |
| 1 | VOC in mg/m3 | 0.052 | 1.891 | All Parameters are within the PCB limits |
| Process stack-WPB | | | | |
| 1 | VOC in mg/m3 | 0.046 | 1.696 | All Parameters are within the PCB limits |
| Process stack-4- EB | | | | |
| 1 | VOC in mg/m3 | 0.029 | 2.213 | All Parameters are within the PCB limits |
| | | | | |

## PART-D
## HAZARDOUS WASTES

(As specified under Hazardous Wastes (Management & Handling Rules, 2016).

| Hazardous waste category | Total Quantity (MT) | |
|---|---|---|
| | During the previous financial year (2024-25) | During the current financial year (2025-26) |
| **(a) From Process** | | |
| 3.1- Cargo residue, washing water and sludge containing oil | 00 | 00 |
| 3.3- Sludge and filter contaminated with oil | 00 | 0.15 |
| 5.1- Used Spent Oil | 00 | 3.17 |
| 5.2- Waste residues containing oil | 5.27 | 9.74 |
| 20.1- Contaminated aromatic, aliphatic or naphthenic solvents may or may not be for reuse | 00 | 33.48 |
| 20.3- Distillation Residues | 22.48 | 77.81 |
| 21.1- Process Wastes, Residues and Sludges | 17.57 | 116.93 |
| 23.1- Wastes or residues (not made with vegetable or animal materials) | 4.07 | 15.83 |
| 33.1- Barrels/Containers/liners contaminated with hazardous chemicals/wastes | 31.46 | 64.75 |
| **(b) Pollution Control Facilities** | | |
| 34.1-Chemical containing residue arising from decontamination | 00 | 0.89 |
| 35.1- Flue gas cleaning residue | 00 | 00 |
| 35.2- Spent ion exchange resin containing toxic metals | 00 | 00 |
| 35.3- Chemical sludge from wastewater treatment | 37.94 | 195.83 |

| | | |
|---|---|---|
| 35.4- Oil and Grease skimming residue | 00 | 00 |
| 36.2- Spent carbon or filter medium | 00 | 1.27 |

## PART – E

## SOLID WASTE

| | **Total Quantity (MT)** | |
|---|---|---|
| **Solid Wastes** | **During the previous financial year (2024-25)** | **During the current financial year (2025-26)** |
| (a) From Process | | |
| DB1010- Metal and Metal Alloy waste in metallic, non-dispersible form | 6.380 | 31.94 |
| DB3020-Paper Waste | 28.04 | 37.85 |
| B3050-Wooden Waste | 11.51 | 100.62 |
| B3011-Solid Plastic Waste | 38.29 | 126.35 |
| (b) Pollution Control facility | | |
| B1031-Powder waste | 00 | 00 |
| (c.) (1) Quantity recycled or reutilized within the plant | 00 | 00 |
| (2) Sold | 00 | 00 |
| (3) Disposed | 00 | 00 |

## PART – F

**Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of wastes.**

**Hazardous waste:**

The generated qty of hazardous waste from the blocks is collected in closed drums and then stored at Hazardous waste storage area. As per Hazardous waste (Management, Handling & Transboundary movement) Rule, 2016. These hazardous wastes are disposed of authorized pre-processors/recyclers. The Waste analysis data given below.

| Sr. No | Test | Unit | 34.1 - Chemical residues arising from decontamination | 35.3 Chemical sludge from Wastewater treatment | 5.2 Waste Residues Containing Oil | 21.1 Emulsion Skin | 20.3 Distillation Residues | 21.1 Resin Solid |
|---|---|---|---|---|---|---|---|---|
| 1 | Color and texture | --- | Light Brown Liquid | White Crystalline Solid | Solid | White hard Crystalline Solid | Brown Solid | Brown Semi Solid |
| 2 | Loss on drying at 105°C (Received basis) | % | 93. 94 | 71.82 | 4. 85 | 10.77 | 17.95 | 39. 61 |
| 3 | Loss on Ignition at 550°C (Air Dry basis) | % | 5. 72 | 60.68 | 99. 14 | 99.71 | 89.87 | 82. 85 |
| 4 | Moisture content (Air Dry Basis) | - | - | 24.65 | 4. 36 | 4.51 | 11.81 | - |
| 5 | Calorific Value (Air Dry Basis) | Kcal/ kg | < 50 | 2541 | 4620 | 8641 | 7255 | 7553 |
| 6 | Flash Point | °C | > 100 | > 100 | 45 | > 100 | > 100 | < 30 |
| 7 | Reactive Cyanide | mg/ Kg | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ ( LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ ( LOQ 0.05) |
| 8 | Sulphur Elem ental | % | 0. 022 | 0.0826 | 0. 0752 | 0. 0621 | 0.089 | 0. 0185 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 9 | Oil & Grease | % | 0. 10 | BLQ (LOQ 0. 0002 ) | BLQ (LOQ 0. 0002) | BLQ (LOQ 0. 0001 ) | BLQ (LOQ 0. 0002 ) | BLQ ( LOQ 2) |
| 10 | Carbon | % | 35. 86 | 18.14 | 66. 13 | 64.53 | 48.84 | 21. 27 |
| 11 | Nitrogen | % | 0. 026 | 1.28 | 0. 30 | 0.21 | 0.57 | 1. 25 |
| 12 | Sulphur | % | 0. 009 | 0.0826 | 0. 0752 | 0.062 | 0.26 | 0. 10 |
| 13 | Hydrogen | % | 27. 63 | 2.16 | 7. 90 | 8.11 | 6.17 | 2. 38 |
| 14 | *Concentration of Individual Inorganics* | | | | | | | |
| A | Chloride as Cl | % | 0. 0586 | 0.159 | 0. 0159 | 0.0042 | 0. 0482 | 0. 0226 |
| B | Calcium as Ca | % | 0. 011 | 4.46 | 0. 14 | 0.015 | 1 | 1. 17 |
| C | Magnesium as Mg | % | 0. 0068 | 1.19 | 0. 0471 | 0.0032 | 0.13 | 0. 24 |
| D | Sodium as Na | % | 0. 031 | 0.084 | 0. 0678 | 0.064 | 0.05 | 0. 04 |
| E | Potassium as K | % | 0. 021 | 0.02 | 0. 0224 | 0.016 | 0.09 | 0. 01 |
| F | Cadmium as Cd | mg/ Kg | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ ( LOQ 0.05) |
| G | Chromium as Cr | mg/ Kg | 0. 017 | BLQ (LOQ 0. 05) | 12. 99 | 0.43 | 1.11 | 5. 95 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| H | Copper as Cu | mg/ Kg | 0. 31 | 7.37 | 27. 47 | 1.42 | 29.08 | 10. 74 |
| I | Nickel as Ni | mg/ Kg | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | BLQ (LOQ 0. 05) | 0.22 | BLQ (LOQ 0. 05) | 1. 04 |
| J | Zinc as Zn | mg/ Kg | 24. 13 | 611.7 | 62. 12 | 0.34 | 627.94 | 2288. 36 |
| K | Iron as Fe | mg/ Kg | 6. 93 | 1021.88 | 345. 70 | 21.28 | 12855.73 | 13751 |
| L | Manganese as Mn | mg/ Kg | 0. 58 | 43.64 | 8. 87 | 1.58 | 19.8 | 15. 74 |

*Note: We have analysed the major waste disposal categories as detailed above.*

| Sr. No | Category of Waste | Type of waste | Disposal Practice |
|---|---|---|---|
| 1 | Sch I, 3.1 | Cargo residue, washing water and sludge containing oil | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 2 | Sch I, 3.3 | Sludge and filter contaminated with oil | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 3 | Sch I, 5.1 | Used Spent Oil | Handed over to authorized recyclers/reprocessor. |
| 4 | Sch I, 5.2 | Waste residues containing oil | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 5 | Sch I, 20.1 | Contaminated aromatic, aliphatic or naphthenic solvents may or may not be for reuse | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 6 | Sch I, 20.3 | Distillation Residues | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 7 | Sch I, 21.1 | Process Wastes, Residues and Sludges | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 8 | Sch I, 23.1 | Wastes or residues (not made with vegetable or animal materials) | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |

| | | | |
|---|---|---|---|
| 9 | Sch I, 33.1 | Barrels/Containers/liners contaminated with hazardous chemicals/wastes | Handed over to KSPCB Authorized Recyclers /Co-Processing/Incinerators |
| 10 | Sch I, 34.1 | Chemical containing residue arising from decontamination | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 11 | Sch I, 35.1- | Flue gas cleaning residue | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 12 | Sch I, 35.2- | Spent ion exchange resin containing toxic metals | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 13 | Sch I, 35.3- | Chemical sludge from wastewater treatment | Handed over to KSPCB Authorized TSDF |
| 14 | Sch I, 35.4- | Oil and grease skimming residue | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |
| 15 | Sch I, 36.2- | Spent carbon or filter medium | Handed over to KSPCB Authorized vendors for Co-Processing/Incinerators |

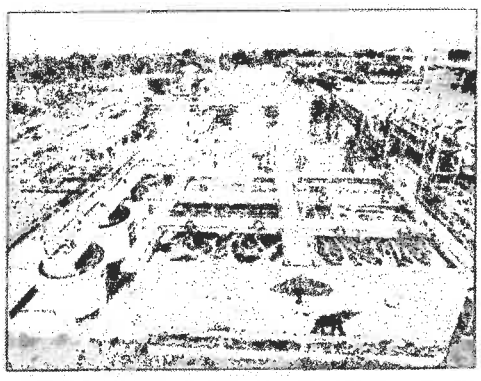
## PART-G

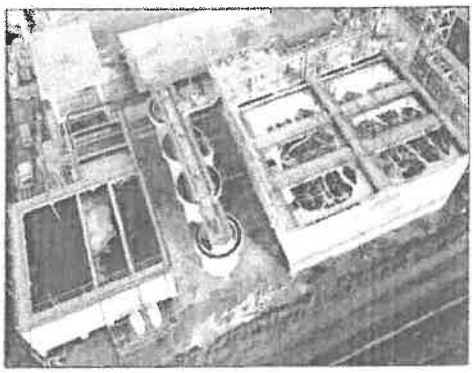
**Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.**

**A: Water:**

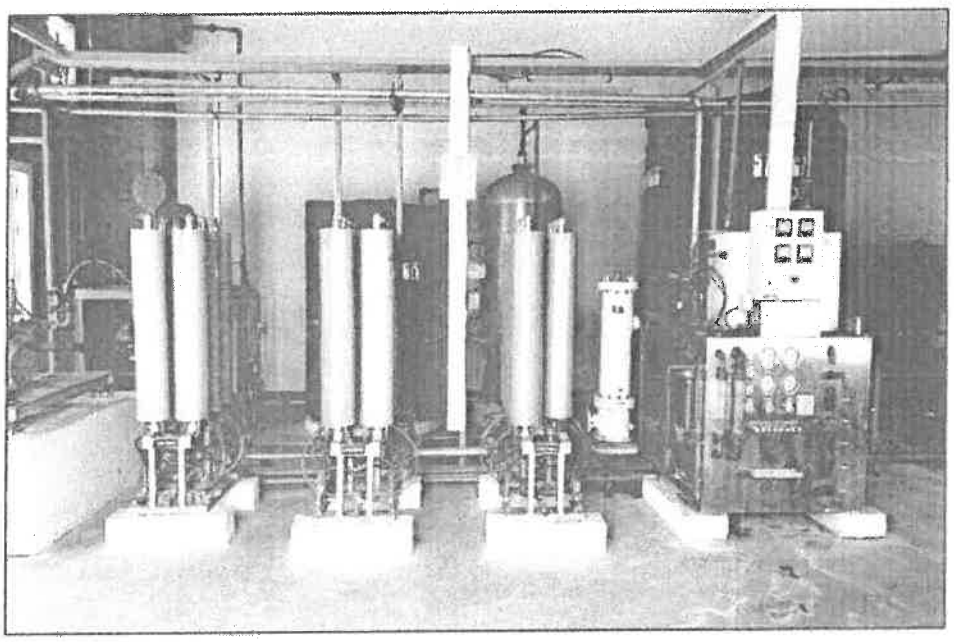
1. Our plant is designed and equipped with a state-of-the-art Zero Liquid Discharge (ZLD) facility, fully compliant with the standards and guidelines prescribed by the Karnataka State Pollution Control Board (KSPCB). The ZLD system ensures that all wastewater generated from process operations and utilities is collected and treated within the premises, with no discharge of treated or untreated effluent outside the plant boundary.
2. The treatment process typically involves multiple stages, including primary, secondary, and tertiary treatment in ETP100KLD plant, followed by advanced technologies such as reverse osmosis (RO-100KLD), and multi-effect evaporation (MEE-15KLD). The treated water is recovered and reused for various plant operations such as cooling tower makeup thereby achieving complete recycling of water resources. Solid residues and salt separated during the process are collected and disposed of as per hazardous waste management rules.
3. The ZLD facility is operated and maintained as per the conditions stipulated in the Consent for Establishment (CFE) and Consent for Operation (CFO) issued by KSPCB, with regular monitoring and record-keeping to ensure strict compliance. This initiative not only prevents any liquid effluent discharge into the environment but also supports sustainable water management and resource conservation in line with regulatory and environmental best practices.
4. As part of our sustainable wastewater management initiatives, we have enhanced the reuse of wash water within the facility. This initiative has significantly reduced the generation of effluent by maximizing water recycling and reuse in the process. Consequently, the reduced effluent generation has also contributed to a decrease in the quantity of hazardous waste generated from effluent treatment activities. This approach demonstrates our commitment to sustainable operations, resource conservation, pollution prevention, and minimizing environmental impact. By promoting water reuse and reducing waste generation, we are continuously working towards achieving higher environmental performance and supporting our long-term sustainability goals.

**Below are photographs of the Zero Liquid Discharge (ZLD) system installed at our facility, showcasing the advanced treatment units and infrastructure implemented to ensure complete recycling and reuse of wastewater as per KSPCB consent requirements.**





ETP PLANT 100 KLD

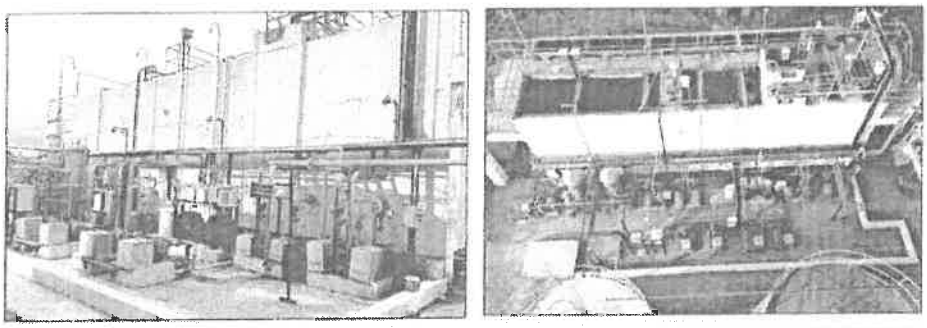


RO PLANT 100 KLD



MEE PLANT 15 KLD

3. Domestic effluent generated within the facility is collected and directed to the Sewage Treatment Plant (STP), where it undergoes thorough treatment to meet regulatory standards. The water treated from the STP is then reused within the premises for gardening and landscape irrigation, thereby promoting water conservation and ensuring environmentally responsible management of domestic wastewater.



STP- 30 KLD

4. We have installed an Online Continuous Effluent Monitoring System (OCEMS) at our facility to continuously monitor key treated water parameters, specifically pH and Total Suspended Solids (TSS). This system provides real-time data on these critical indicators, ensuring that the treated effluent consistently meets regulatory standards. The monitoring data is automatically transmitted to the State Pollution Control Board's server as required, enabling prompt detection of any deviations and facilitating immediate corrective actions. This initiative demonstrates our commitment to maintaining high standards of environmental compliance and protecting water quality.




CEMS- Continuous Effluent Monitoring System

**B: AIR:**

1. External agency with NABL and MoEF certification is engaged for analyzing flue gas, ambient air quality and Noise monitoring is tested on monthly basis.

2. In compliance with the Environmental Clearance (EC) and Consent for Operation (CFO) conditions, our facility has installed two Continuous Ambient Air Quality Monitoring Systems (CAAQMS) and an Online Continuous Emission Monitoring System (OCEMS) within the premises. The CAAQMS units are strategically placed to continuously monitor key ambient air quality parameters such as particulate matter (PM10, PM2.5), sulfur dioxide ($SO_2$), nitrogen oxides (NOx) pollutants in real time. This enables us to assess and ensure that the ambient air quality in and around the plant remains within the prescribed regulatory limits. The data from both CAAQMS and OCEMS are transmitted to the State Pollution Control Board's servers as per statutory requirements, ensuring transparency and regulatory compliance. The installation of these advanced monitoring systems demonstrates our commitment to proactive environmental management, continuous improvement, and adherence to all applicable environmental norms.



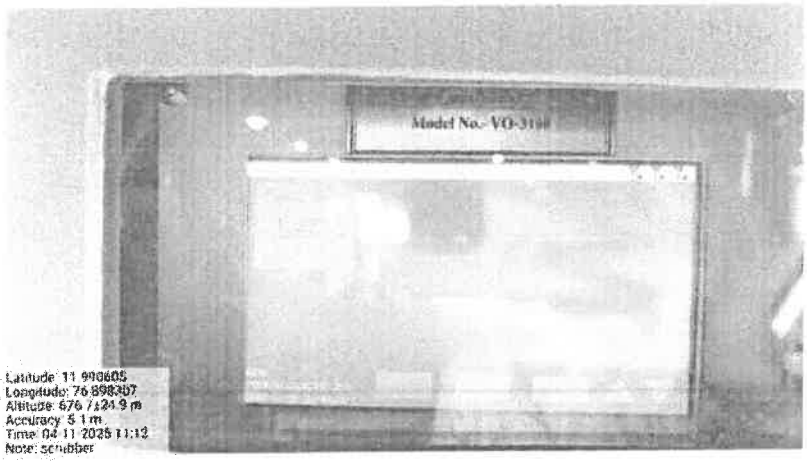
CAAQMS STATION 1 – OTF AREA

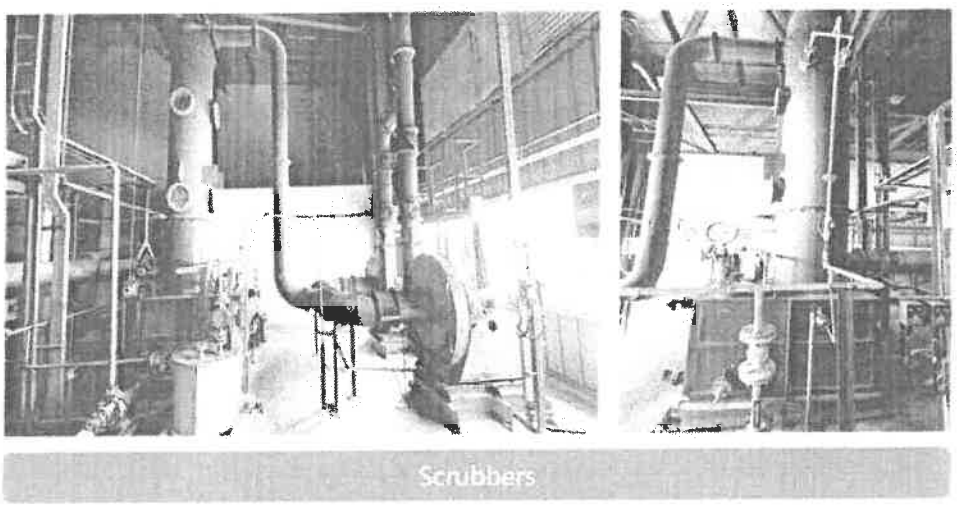


CAAQMS STATION 2 – EBG AREA

To strengthen our air quality management and ensure compliance with environmental regulations, we have installed an Online VOC (Volatile Organic Compounds) Monitoring System at our facility. This advanced system continuously measures and records the concentration of VOCs in the emissions from process stacks in real time. The online VOC monitoring system is equipped with sensitive sensors and analyzers that detect even low levels of volatile organic compounds, providing accurate and timely data on emission trends. The system is integrated with a data acquisition and transmission module, which automatically sends real-time monitoring data to the State Pollution Control Board's server as per statutory requirements. This enables prompt detection of any deviations from prescribed limits and facilitates immediate corrective actions if necessary. The installation of the online VOC monitoring system demonstrates our commitment to proactive environmental management, transparency, and adherence to all applicable air emission standards, thereby contributing to the protection of ambient air quality and the health and safety of the surrounding community.

**VOC ANALYSER:**





Scrubbers



Dust collector

**C: Construction of Rainwater Reservoir:**

To promote sustainable water management and reduce dependency on external water sources, our facility has been equipped with a comprehensive rainwater harvesting system with a **cumulative storage capacity of 40,000 kiloliters (KL).** This system includes two major components: a **stormwater collection tank with a capacity of 22,000 KL** and a **roof water collection tank with a capacity of 18,000 KL.** The stormwater tank captures runoff from paved and open areas during rainfall, while the roof water tank collects rainwater from building rooftops. The harvested rainwater is stored, filtered, and reused for processes after completion of necessary treatment, thereby conserving freshwater resources and supporting our environmental sustainability goals. This initiative is in line with regulatory guidelines and demonstrates our commitment to responsible water stewardship.

During FY 2025-26, a total of **5,354 KL of harvested roof water and storm water** was utilized for production activities. This reflects our commitment to **sustainable water resource management** by maximizing the use of rainwater captured within the

facility. The utilization of harvested rainwater helps conserve natural freshwater resources, reduces dependency on external water sources, promotes groundwater conservation, and supports responsible water stewardship. By effectively reusing roof and storm water for operational requirements, the organization has enhanced water sustainability while minimizing its overall environmental footprint.



ROOF WATER POND



STORM WATER POND

## PART – H

**Additional measures/investment proposal for environmental protection including abatement of pollution.**

1. To minimize hazardous waste generation and promote resource conservation, a solvent recovery system has been installed in the plant. The primary objective is to recover and reuse solvents from process streams, thereby reducing the quantity of hazardous waste sent for disposal and improving overall environmental performance.

   **Reduction in Hazardous Waste:** The system has resulted in a significant reduction in the quantity of hazardous waste generated, as a large portion of solvents are now recovered and reused
   **Resource Conservation:** Recovered solvents are reused in the process, reducing the need for fresh solvent procurement.
   **Cost Savings:** Lower waste disposal costs and reduced raw material purchase.
   **Regulatory Compliance:** Enhanced compliance with hazardous waste management rules.

   **Environmental Benefits:**

- **Waste Minimization:** The initiative aligns with the principles of waste minimization and circular economy.
- **Pollution Prevention:** Reduced risk of soil and groundwater contamination due to lower hazardous waste generation.

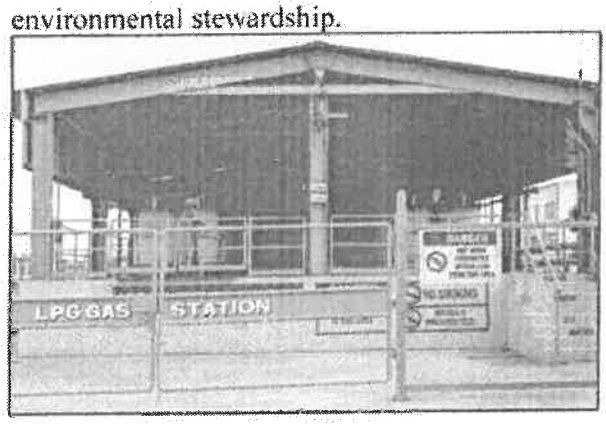
2. To enhance energy efficiency and reduce the facility's overall power consumption, energy-efficient lighting solutions such as LED (Light Emitting Diode) fixtures have been installed throughout the plant. These LED lights consume significantly less electricity compared to conventional lighting systems, such as incandescent or fluorescent lamps, while providing superior illumination and a longer operational lifespan. The adoption of LED lighting not only contributes to lower energy bills and reduced greenhouse gas emissions but also aligns with the plant's commitment to sustainable and environmentally responsible operations. Regular maintenance and monitoring ensure that the lighting system continues to operate efficiently, further supporting the facility's energy conservation goals.

   Kindly find the below energy savings initiatives completed in FY25-26

   1. DCS Lighting operation through energy optimization modes
   2. Utility Equipment's (Chiller, semi chiller and CT fans) automation and operation optimization through temperature interlocks.
   3. Resin utility consumption optimization (N2, cooling water inlet valve shutdown at idle reactors).
   4. Ensuring LP Compressor operation for silo requirement which eliminates the requirement of HP compressor.

5. Air receiver tanks outlet closed during NPDs to avoid air wastage.
6. N2 compressor automation based on receiver tank pressure feedback along with leakage arresting.
7. Shutdown of APFC, HF, TSD Panels which was no required during no load.
8. Agitation timing standardization
9. AC Energy Saver Installation
10. Packing machine ideal running logic implemented
11. Scrubber Pumps VFD conversion

3. **Cleaner Fuel Transition for Low-Carbon Operations**: To accelerate decarbonization and promote cleaner production, the facility transitioned from diesel to LPG for Boiler and Thermic Fluid Heater operations. This fuel switch significantly improved combustion efficiency while reducing carbon dioxide ($CO_2$) emission intensity, particulate matter, Sulphur oxides ($SO_x$), and soot generation compared to conventional diesel. The cleaner combustion process also minimized equipment fulfilling and maintenance requirements, enhancing the reliability and operational efficiency of thermal systems. Beyond improving air quality, the initiative reduced the overall environmental footprint by lowering greenhouse gas emissions, decreasing atmospheric pollutants, and reducing the environmental impacts associated with fossil fuel combustion. By adopting a cleaner energy source, the facility advances its low-carbon manufacturing strategy, supports climate change mitigation efforts, and demonstrates its commitment to sustainable industrial operations and long-term environmental stewardship.



## PART –I

**MISCELLANEOUS:**
**Any other particulars in respect of environmental protection and abatement of pollution.**

To strengthens environmental sustainability and comply with the Environmental Clearance (EC) conditions, the Company has developed the entire designated green belt area within the factory premises in accordance with the approved green belt development plan and applicable regulatory requirements.
As of the end of FY 2025-26, **100% of the earmarked green belt area, covering 136,496 m², has been fully developed within the facility premises**. During FY 2025-26, approximately **13,228 saplings and trees** of indigenous and locally suitable species were planted to enhance biodiversity, improve ambient air quality, support carbon sequestration, and maintain ecological balance.
The developed green belt acts as a natural environmental buffer by mitigating dust emissions, reducing noise levels, improving the microclimate, preventing soil erosion, and creating a sustainable habitat for local flora and fauna. The green belt also contributes to the overall aesthetic enhancement of the facility and demonstrates the Company's commitment to environmental stewardship and regulatory compliance.
**Cumulatively, a total of 21,250 trees have been planted across the site as part of the Green Belt Development Programme. The green belt has been fully developed in line with Environmental Clearance (EC) compliance requirements and is maintained through regular monitoring and upkeep activities to ensure its sustainability and effectiveness.**

**Photographic evidence of the green belt development is enclosed as Annexure 2.**

The plantation includes a diverse mix of native and pollution-tolerant species, categorized into upper canopy and middle layer trees:

| Tree List | | |
|---|---|---|
| Sr. No | Plants Name | Total |
| 1 | Silver Oak | 2,267 |
| 2 | Spathodia | 3 |
| 3 | Mahagony | 1,829 |
| 4 | Cassia javanica | 331 |
| 5 | Pongamia pinnata | 45 |
| 6 | Mango | 341 |

| | | |
|---|---|---|
| 7 | Jamun (Seziumcumini) | 392 |
| 8 | Anthocephalus cadamba | 2,463 |
| 9 | Terminalia Arjuna | 2,149 |
| 10 | Cassia Siamea | 2,726 |
| 11 | Bauhinia Purpera | 682 |
| | | 13,228 |

- We celebrated Word Environment Day on 5th June 2025 & planted nearly 100 Sapling trees inside the factory premises. (*Photographic evidence is provided in Annexure 1).*

# ANNEXURE I – GLIMPSES OF WORLD ENVIRONMENTAL DAY CELEBRATION



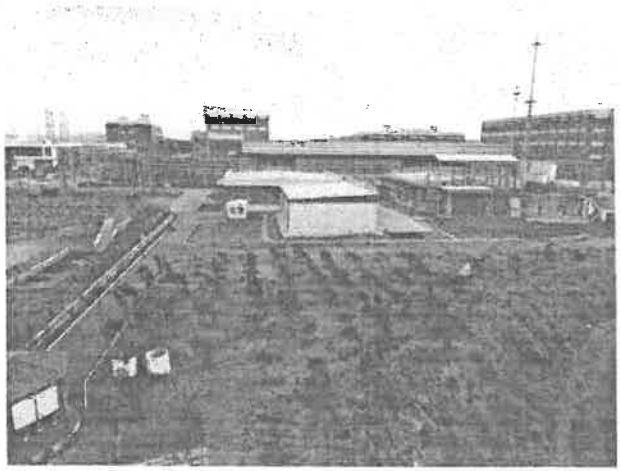




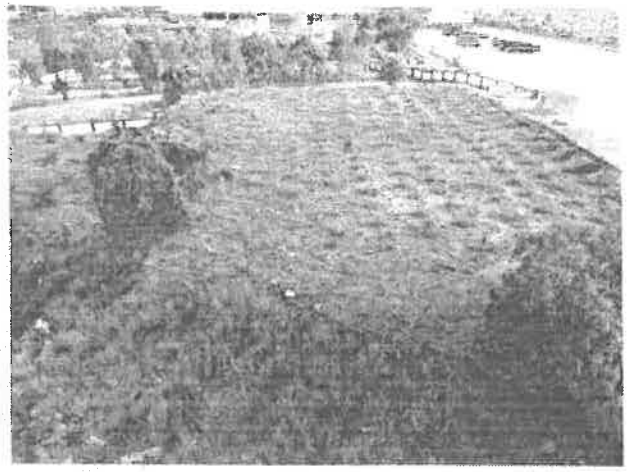



BIRLA opus.

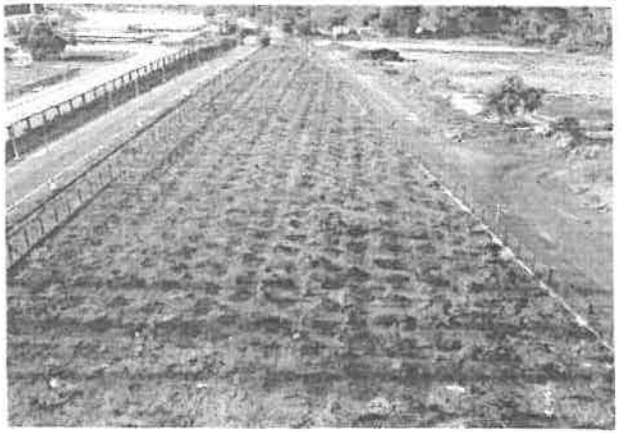
# ANNEXURE II – GREEN BELT DEVELOPMENT GLIMPSES











BIRLA opus.

ANNEXURE - XII

ADITYA BIRLA
GRASIM

Ref No. GIL/CFD/SEC/25/259/SE

19th November 2024

**BSE Limited**
**Scrip Code: 500300 / 890190**

**National Stock Exchange of India Limited**
**Symbol: GRASIM / GRASIMPP1**

Dear Sir/Madam,

**Sub: Commencement of commercial production of Birla Opus Paints plant at Chamarajanagar (Karnataka)**

Ref: *Disclosure of event / information pursuant to Regulation 30 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 and SEBI Master Circular No. SEBI/HO/CFD/PoD2/CIR/P/0155 dated 11th November 2024*

This is to inform that our newly constructed Paints plant located at Chamarajanagar, Karnataka (the 4th one out of total 6 plants announced) has commenced commercial production today i.e. on 19th November 2024 as per below details:

| Plant Location | State | Products | Installed Capacity (MLPA) |
|---|---|---|---|
| Chamarajanagar | Karnataka | Water based Paint | 180 |
| | | Distemper | 20 |
| | | Solvent based Paint (including Wood Finish) | 30 |

This will cater to domestic market of the country.

The Company's Press Release is this regard is attached herewith.

The above is for your information and records.

Thanking you

Yours sincerely,
**For Grasim Industries Limited**

SAILESH KUMAR DAGA
Digitally signed by SAILESH KUMAR DAGA
Date: 2024.11.19 14:57:27 +05'30'

**Sailesh Kumar Daga**
**Company Secretary and Compliance Officer**
**FCS - 4164**

Encl: as above

**Cc:**

**Luxembourg Stock Exchange**
35A Boulevard Joseph II
L-1840 Luxembourg

**Citibank N.A.**
Depositary Receipt Services
390 Greenwich Street,
4th Floor, New York,
NY 10013

**Citibank N.A.**
Custodial Services
FIFC, 9th Floor, C-54 & 55,
G Block Bandra Kurla
Complex, Bandra (East),
Mumbai-400098

**Birla Opus Paints unveils its 4th factory at Chamarajnagar, Karnataka**
***~Birla Opus Paints raises capacity to 866 MLPA, catapults to become the 2nd largest decorative paints player by installed capacity~***

**Chamarajnagar, Karnataka, India:** Chairman of the Aditya Birla Group, Mr. Kumar Mangalam Birla, today unveiled the fourth plant of Birla Opus Paints, a division of Grasim Industries Ltd., at Chamarajnagar, Mysore. This fully automated, integrated paint plant commenced its commercial production today which raises the company's manufacturing capacity to 866 MLPA (Million Litres Per Annum) and catapults Birla Opus Paints to become the 2nd largest decorative paints player by installed capacity.

**Mr. Kumar Mangalam Birla, Chairman, Aditya Birla Group** said, *"Our paints business speaks to a new India, a confident and aspirational India. Our aspirations embody this spirit of a bold, confident India. The launch of Birla Opus Paints earlier this year marked a pivotal moment in the Indian paints industry as we look to redefine the industry. The business is progressing in line with the plan with an impactful journey so far and is on track to hit the revenue target of Rs.10,000 Cr within the first 3 years of full-scale operations."* He added, *"To cater specifically to the growing needs of the southern region, our fourth state-of-the-art manufacturing facility in Chamarajnagar supports our growth strategy. This new facility will help us provide quality products and services to customers with increased responsiveness, underscoring our unwavering commitment to becoming a leader in the decorative paint industry."*

The Chamarajnagar plant, with a capacity of 230 MLPA, will produce Water based paints, Enamel paints and Wood Finish Paints. The Water based paints will use in-house manufactured advanced Emulsions as key raw material through unique polymer synthesis process helping company offer innovative paint features like multi stain resistance, outstanding dirt resistance, crack bridge-ability and high scrub resistance leaving no furniture marks when consumer paints with Birla Opus luxury products. The Solvent based paints will use inhouse resins with exquisite designer molecules for high corrosion resistance, better durability, faster drying and superior gloss. The plant is fully sustainable with zero liquid discharge and equipped with 4th generation manufacturing technology to manage supply chain at lightning speed, with zero defects and end to end product traceability - a first of its kind feature.

Birla Opus Paints had previously outlined plans to establish six strategically located manufacturing plants with a total capacity of 1,332 MLPA, at an upfront investment of Rs.10,000 Cr. The paints business has already incurred a total capex of Rs. 8,470 Cr. (85% of the total project costs). Currently, four plants are operational, contributing 866 MLPA. Of the remaining two, the Mahad plant near Pune has entered trial production, while the Kharagpur plant near Kolkata is progressing as planned.

**Mr. Himanshu Kapania, Director, Aditya Birla Group, said,** *"Birla Opus Paints continues to make rapid strides as part of its growth journey. With 4 out of our 6 state-of-the-art, fully automated manufacturing plants now operational across Panipat, Ludhiana, Cheyyar and Chamarajnagar, we are well-positioned to meet growing demand by having higher supply capacity. The inauguration of our fourth plant marks a key milestone, reinforcing our commitment to progress."*

At the time of launch, Birla Opus Paints had committed to offer the widest product range with 145+ products and 1,200 SKUs across Water based paints, enamel paint, Wood Finishes, Waterproofing and Wallpaper. As of September 2024 end, the company has already placed 129 products out of planned 145+ products with over 900 SKUs. The launch of Chamarajnagar plant will help Birla Opus Paints expand its product portfolio with exclusive products like Indian PU Wood Finish, special factory-made shades of Enamels, besides bringing down logistics cost to serve the market better. The product quality is already receiving excellent feedback from customers and painters as business is recording robust month on month growth.

**Mr. Rakshit Hargave, CEO, Birla Opus Paints, said,** *"Our dedication to cutting-edge R&D, ESG initiatives, and smart factory technology is delivering the best quality of decorative paints in the country with host of differentiated product features for the entire eco system. The opening of our fourth fully automated factory is a reinforcement to our commitment of building a successful paints business in India."*

Birla Opus Paints today also announced the pilot launch of its Franchisee led Painting Services - PaintCraft Partner to supplement its direct painting services.

The company's confidence on the quality of its products is reflected in the latest advertising campaign *'Naye Zamane Ka Naya Paint'* showcasing innovative features - like no marks scuff resistant paint, excellent dirt pickup technology, high coverage, 10% free paint promotion and warranty on the entire range of products up to 16 years etc after a memorable launch campaign - *'Duniya Ko Rang Do'*.

Birla Opus Paints is now available in over 4,300+ towns pan-India covering all large and mid-size towns in every district of the country and fast spreading across small towns and rural markets.

## About Grasim Industries Limited

Grasim Industries Limited, a flagship company of the Aditya Birla Group, ranks amongst the top publicly listed companies in India. Incorporated in 1947, it started as a textiles manufacturer in India. Today, it has evolved into a leading diversified player with leadership presence across many sectors. It is a leading global producer of Cellulosic Fibres, Diversified Chemicals, Fashion Yarn and Fabrics producer in India. Implementing next phase of transformational growth journey, the company has entered paints business under the brand name 'Birla Opus'. Out of the six plants to be set-up for manufacturing decorative paints across pan India locations, three plants commenced operations in Apr'24. Leveraging the Group synergies, Grasim has launched 'Birla Pivot', the B2B online marketplace for building materials. Through its subsidiaries, UltraTech Cement, Aditya Birla Capital and Aditya Birla Renewables, it is also India's prominent cement producer, leading diversified financial services player and clean energy solutions player. At Grasim, there is an endeavour to create sustainable value for 45,000+ employees, 2,52,000+ shareholders, society, and customers. The company reported consolidated net revenue of Rs. 1,30,978 Cr. and EBITDA of Rs. 20,837 Cr. in FY 2024.

**About Birla Opus Paints:**

Birla Opus Paints, housed under Grasim Industries, Aditya Birla Group's flagship firm, offers Decorative Painting Solutions to consumers in India. Launched in 2024, Birla Opus Paints has a complete portfolio featuring a range of superior products across categories like interiors, exteriors, waterproofing, enamel paints, wood finishes, and wallpapers. With six manufacturing plants spread across India, Birla Opus Paints is well positioned to be amongst the market leaders in the decorative paints category. The brand aims to inspire people to turn their surrounding spaces into their very own masterpiece.


**GRASIM INDUSTRIES LIMITED**

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Statements in this "Press Release" describing the Company's objectives, projections, estimates, expectations, or predictions may be "forward looking statements" within the meaning of applicable securities law and regulations. Actual results could differ materially from those expressed or implied. Important factors that could make a difference to the Company's operations include global and Indian demand supply conditions, finished goods prices, feedstock availability and prices, cyclical demand and pricing in the Company's principal markets, changes in Government regulations, tax regimes, economic developments within India and the countries within which the Company conducts business and other factors such as litigation and labour negotiations. The Company assumes no responsibility to publicly amend, modify or revise any forward-looking statement, based on any subsequent development, information or events, or otherwise.