Ref No: Ref No: ABG/GIL /2026-27/08 **Date: 30.04.2026**

To,
The Additional Principle 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 Clerance Conditions- 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 **October-2025 to March-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)	This project is in notified industrial area KIADB. Schedule I Species are not available at site, Hence conservation plan for site is Not Applicable. However Schedule I species (Peacock) is closely associated with human habitat are available in the study area. Hence detailed conservation plan submitted to forest department on 25/01/2022 for necessary approvals. We are in continuous follow-up with forest department. In the interest of project we have started implementation of conservation plan as per the letter dated 25/01/2022. The conservation plan submitted was approved by DCF vide letter no. A6/Wildlife/CER/CR-/2025-26 letter dated 31.05.2025 & forwarded to CCF for approval. CCF has further approved the conservation plan & forwarded to Chief wildlife warden. The Chief wildlife Warden has directed the Deputy Conservator of Forests (DCF), Chamarajanagar, to validate the plan. In response, the DCF has instructed the Regional Forest Officer to conduct a site visit and verify the supporting evidence. Regional Forest Officer, Chamarajanagar has visited and inspected the site on 14.11.2025 and detailed report has been forwarded to ACF followed by DCF. It is informed that, after scrutiny, the report has been forwarded by the DCF to the CCF for further approval.
IV	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the conceded State Pollution Control Board/Committee	*Complied* CTE granted by KSPCB (Document No.: KSPCB/Consent/: 331600 Dated:04/06/2022. 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 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 1. Onsite emergency plan for the facility is available 2. MSDS is available for all the chemicals 3. Chemical Storage is within the threshold limit 4. PESO license is available for chemical storage as per requirement *Complied as per rules and guideline of Motor Vehicle Act.* 1. Driving License. 2. Defensive driving for drivers 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 are complying to the latest CEMS guidelines, for OCEMS and are connected to CPCB & KSPCB server. However, there are certain technical issues and the same is communicated to CPCB team.
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, 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, In line with the requirements AAQMS monitoring is carried out outside the manufacturing buildings, one at upwind and three at downwind across the plant boundary wall (Inside & Outside) for monitoring of key air quality parameters. **Attached reports as Annexure-III**
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.	RCC Paved roads have been provided within the premises to minimize fugitive dust emissions. No coal is used as a fuel source.A stack height of 30 meters Above Ground Level (AGL) has been provided in *accordance with Karnataka State Pollution Control* Board (KSPCB) guidelines
V	Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions	Solid Raw materials are stored in the closed loop silos above ground to prevent dust pollution and other fugitive emissions. 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.	Complied to the National Emission Standards for Organic Chemicals
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, Online continuous effluent monitoring system, web camera with night vision are provided. The effluent flowmeters are installed in the close loop pipelines.
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).	Zero Liquid Discharge system comprises of Effluent treatment Plant followed by Reverse Osmosis followed by Multiple effect evaporator. In ZLD system 100% effluent is recycled back to the process and utilities.
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 - we have installed Zero Liquid Discharge system, hence no effluent is discharged,
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	Daily water consumption is within the consent limit.
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. 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 and they are within the standards limit. Suitable control measures have been taken to reduce noise. Monthly noise 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 carried out & is confirming to the standards March 2026 report attached as **Annexure - IV**
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 Waste Authorization
III	The company shall undertake waste minimization measures as below: - i) Metering and control of quantities of active ingredients to minimize waste' ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. iii) Use of automated filling to minimize spillage. iv) Use of Close Feed system into batch reactors' v) Venting equipment through vapour recovery system. Vi) Use of high pressure hoses for equipment clearing to reduce wastewater generation	Complied i. The plant production is an automated process, where the raw materials are added through closed loop pipeline and having controlled measures. ii. Full fledged wash water and wash solvent reuse scheme is installed and is in use. iii. The entire paint packing operation is done by automated filling machines. iv. All reactor process have closed feed system to add the ingredients. v. All reactors, solvent storage vessels has vapour recovery system. 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.	As per commitment provided to SEIAA & SEAC, Green belt to be developed over a period of five years. To date, approximately 13250 saplings have been planted, covering around 32 acres. Native species such as Terminalia arjuna, Pangamic pinnata, Cassia siamea, Silver Oak, Spathodea, Mahogany, Mango, Jamun (Syzygium cumini), Anthocephalus cadamba, and Bauhinia purpurea have been planted in accordance with CPCB guidelines and 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, Training provided to employees for the chemical handling. Training Records attached as **Annexure V** 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.o4.2oz2.	Noted and being complied 1. *Antipoaching camp work in progress at* Kurimandi, Punajanuru forest range. 2. Two Bolero vehicle given to BRT Tiger Reserve for fauna conservation. 3. Pond rejuvenation work completed at Doddamma thayi temple, Bhogapura village. 4. External Green belt development completed at Kasturu village. 5. External Green Development completed at Mariyalla villages The following additional Fauna Conservation Plan in progress 1. Supply of 1 No. Rapid Response Team vehicle to BRT. 2. Providing 6 Nos. water trough for various wildlife range. 3. Providing 5 Nos. Solar Borewell for various Wildlife range. 4. Providing 1 No. Tumkur Cage. 5. Providing 2 Nos. Fibre Cage. Attached as **Annexure - VI**
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 well laid environment policy in place. As an environment cautious company, we report any deviation / violation reported to relevant stake holders. Environment policy is also displayed at the site. Copy of the same is attached as **Annexure VII**
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. Organisational structure is attached as **Annexure VIII**
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 pran 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 ready and approved by the Senior Management. Separate funds are allocated for environmental protection measures, reports & enclosed tracker attached as **Annexure - IX**

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	The parameters PM10, SOx, NOx, for stack is monitored. The parameters PM10, SOx, NOx, in addition to this PM2.5 for ambient is monitored. 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, Last Submitted on 28th October 2025
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, Last Submitted on 28th October 2025
VIII	The project proponent shall submit the environmental statement 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 Form V - Environmental Statement submitted to KSPCB on 29th September 2025. The same is attached as **Annexure X**
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 XI**
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	Noted

	under Company in a time bound manner shall implement these conditions	
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 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.	Noted
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- Ambient Air Quality Monitoring Report
Annexure IV - Ambient Noise Monitoring Report
Annexure V - Training Records
Annexure VI - CER Update
Annexure VII - Environmental Policy
Annexure VIII - Organisational Structure
Annexure IX - Environmental Management Plan
Annexure X- Form V Environmental Statement submitted to KSPCB
Annexure XI - 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 NMHC PM CO	710 ppmv 100 75 150	Acoustic Enclosure
2	DG Set 2000 KVA	30 mts AGL	NO_x NMHC PM CO	710 ppmv 100 75 150	Acoustic Enclosure
3	DG Set 2000 KVA	30 mts AGL	NO_x NMHC PM CO	710 ppmv 100 75 150	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

Karnataka State Pollution Control Board
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	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
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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
Fax:080-25586321
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.**

PN KM.

Senior Environmental Officer
Waste Management Cell-2

05/06

ANNEXURE- III

(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 D-01977/2026
Customer reference Purchase Order
Date of report 31-03-2026

1) Sample description : Ambient Air
2) Sampling location :ETP Area – North Side
3) Sampled by : Lab Personnel
4) Date of sampling 20-03-2026 to 21-03-2026
5) Duration of sampling 24Hrs.
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC1519226000001285F**

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	µg/m³	10.80	80	IS 5182 P-2:2001
2	Nitrogen Dioxides	µg/m³	43.41	80	IS 5182 P-6:2006
3	Particulate Matter (Size less than 10 µm)	µg/m³	48.85	100	IS 5182 P-23:2006
4	Particulate Matter (Size less than 2.5 µm)	µg/m³	19.60	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

Kavya.S

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.
2. Total liability of our institute is limited to the Invoice amount.
3. Samples will be disposed after the specified retention period.
4. This report is not to be reproduced wholly or in part and cannot be used as an evidence in Court of Law without prior permission in writing.
5. Sample (s) or not drawn by us unless otherwise stated.

(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 D-01978/2026
Customer reference Purchase Order
Date of report 31-03-2026

1) Sample description : Ambient Air
2) Sampling location : RM Truck Parking Area South Side
3) Sampled by : Lab Personnel
4) Date of sampling 20-03-2026 to 21-03-2026
5) Duration of sampling 24Hrs.
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC151922600000l286F**

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	µg/m³	7.06	80	IS 5182 P-2:2001
2	Nitrogen Dioxides	µg/m³	35.60	80	IS 5182 P-6:2006
3	Particulate Matter (Size less than 10 µm)	µg/m³	53.75	100	IS 5182 P-23:2006
4	Particulate Matter (Size less than 2.5 µm)	µg/m³	22.02	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

Kaveya .S

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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5. Sample (s) or not drawn by us unless otherwise stated.

(OPC) Private Limited

Laboratory : 294A, Hebbal Industrial Area, Mysuru - 570 016 **Telephone :** 2402986, 4282027 **Mobile : 9148337866**
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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 D-01979/2026
Customer reference Purchase Order
Date of report 31-03-2026

1) Sample description : Ambient Air
2) Sampling location : FG Gate west side
3) Sampled by : Lab Personnel
4) Date of sampling 21-03-2026 to 22-03-2026
5) Duration of sampling 24Hrs.
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC151922600000128 7F**

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	µg/m³	6.25	80	IS 5182 P-2:2001
2	Nitrogen Dioxides	µg/m³	33.32	80	IS 5182 P-6:2006
3	Particulate Matter (Size less than 10 µm)	µg/m³	53.38	100	IS 5182 P-23:2006
4	Particulate Matter (Size less than 2.5 µm)	µg/m³	20.53	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

Kaveya. S

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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(OPC) Private Limited

Laboratory : 294A, Hebbal Industrial Area, Mysuru - 570 016 **Telephone :** 2402986, 4282027 **Mobile : 9148337866**
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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 D-01980/2026
Customer reference Purchase Order
Date of report 31-03-2026

1) Sample description : Ambient Air
2) Sampling location : Admin Gate East Side
3) Sampled by : Lab Personnel
4) Date of sampling 21-03-2026 to 22-03-2026
5) Duration of sampling 24Hrs.
6) Sampling protocol GCAS/QSP/7.3.1/SP & SM

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC151922600000128 8F**

Sl. No	Test	Unit	Result	NAAQ Standards	Test Method
1	Sulphur dioxide	µg/m³	6.65	80	IS 5182 P-2:2001
2	Nitrogen Dioxides	µg/m³	31.24	80	IS 5182 P-6:2006
3	Particulate Matter (Size less than 10 µm)	µg/m³	49.71	100	IS 5182 P-23:2006
4	Particulate Matter (Size less than 2.5 µm)	µg/m³	19.32	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

Kaveya-S

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.
2. Total liability of our institute is limited to the Invoice amount.
3. Samples will be disposed after the specified retention period.
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5. Sample (s) or not drawn by us unless otherwise stated.

ANNEXURE - IV

(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

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	:	20-03-2026 11:40 AM to 21-03-2026 11:39 AM
4.	Particulars of Sample Collected	:	Ambient Noise Level Monitoring
5.	Date of Sample Receipt	:	21-03-2026
6.	Sample Number	:	D-01981
7.	Method Adopted	:	GCAS/QSP/7.3.1/SP&SM

TC-15192

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC1519226000001289F**

Sample Location	Time Frequency	Parameters			Standard
		Max.	Min.	Leq in dB(A)	Leq in dB (A)
ETP Area	11:40 AM – 10:00 PM	70.6	62.7	73.5	75 dB(A)
	10:01 PM – 06:00 AM	71.7	60.1	65.1	70 dB(A)
	06:01 AM – 11:39 AM	70.8	66.6	74.5	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, Report Status: - The measured values for the above Locations are within the standards.

End of Report

Reviewed By

Kaveya-S

For 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	:	20-03-2026 11:50 AM to 21-03-2026 11:49 AM
4.	Particulars of Sample Collected	:	Ambient Noise Level Monitoring
5.	Date of Sample Receipt	:	21-03-2026
6.	Sample Number	:	D-01982
7.	Method Adopted	:	GCAS/QSP/7.3.1/SP&SM

TC-15192

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC151922600000129OF**

Sample Location	Time Frequency	Parameters			Standard
		Max.	Min.	Leq in dB(A)	Leq in dB (A)
RM truck parking Area – South side	11:50 AM – 10:00 PM	71.9	66.0	74.0	75 dB(A)
	10:01 PM – 06:00 AM	68.9	55.5	67.4	70 dB(A)
	06:01 AM – 11:49 AM	70.8	51.0	70.1	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, Report Status: - The measured values for the above Locations are within the standards.

End of Report

Reviewed By

Kavya.S

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	:	21-03-2026 12:10 PM to 22-03-2026 12:09 PM
4.	Particulars of Sample Collected	:	Ambient Noise Level Monitoring
5.	Date of Sample Receipt	:	22-03-2026
6.	Sample Number	:	D-01983
7.	Method Adopted	:	GCAS/QSP/7.3.1/SP&SM

TC-15192

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC151922600000129lF**

Sample Location	Time Frequency	Parameters			Standard
		Max.	Min.	Leq in dB(A)	Leq in dB (A)
WBG Back side Area – West side	12:10 PM – 10:00 PM	70.7	58.1	67.6	75 dB(A)
	10:01 PM – 06:00 AM	68.4	56.3	60.8	70 dB(A)
	06:01 AM – 12:09 PM	70.6	62.3	69.7	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, Report Status: - The measured values for the above Locations are within the standards.

End of Report

Reviewed By

Kavya S

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

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	:	21-03-2026 12:30 PM to 22-03-2026 12:29 PM
4.	Particulars of Sample Collected	:	Ambient Noise Level Monitoring
5.	Date of Sample Receipt	:	22-03-2026
6.	Sample Number	:	D-01984
7.	Method Adopted	:	GCAS/QSP/7.3.1/SP&SM

TC-15192

Discipline: Chemical **Group: Atmospheric Pollution** **ULR No.: TC1519226000001292F**

Sample Location	Time Frequency	Parameters			Standard
		Max.	Min.	Leq in dB(A)	Leq in dB (A)
OTF Back side Area-East side	12:30 PM – 10:00 PM	70.4	60.7	68.1	75 dB(A)
	10:01 PM – 06:00 AM	68.1	58.0	64.6	70 dB(A)
	06:01 AM – 12:29 PM	71.6	56.4	69.8	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, Report Status: - The measured values for the above Locations are within the standards.

End of Report

Reviewed By

Kaveya.S

For GANESH CONSULTANCY & ANALYTICAL SERVICES
(OPC) PRIVATE LIMITED

Authorised Signatory

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ANNEXURE-V

Training Attendance Sheet

ADITYA BIRLA GRASIM | BIRLA opus PAINTS

Topic	Process Safety & Chemical Handling	Faculty Name	Vasudev Rao	
Venue	Training Hall, Admin Block			
Date	27-01-2026	Type	Internal	External
Duration	2 days	Time	10:00 AM	
Sl.No	Name	Poornata ID	Department	
1	Sudheer	467138	WPB Production	[signature]
2	Arun Kumar	462600	WPB	[signature]
3	Karthik Shetty	481583	EB	[signature]
4	Sanketh Rai	467523	Packing	[signature]
5	Adarsha A	473193	Production	[signature]
6	Karthik R	455583	SPB - Production	[signature]
7	Sudesh	473724	SPB production	[signature]
8	Manu M.N	458803	Packing	[signature]
9	Ramesh Kumar H K	457293	WPB	[signature]
10	Dhanu Kiran . D	473820	Packing	[signature]
11	Hussen Peera N. S	448559	EHS	[signature]
12	Nikhil. K	457064	Material	[signature]
13	Deepak. S	457509	Materials	[signature]
14	Likith	460447	Material	[signature]
15	Sabarish R	486698	EHS	[signature]
16	V. Jaby	711172	Engg	[signature]
17	Nagendra HP	421958	EHS	[signature]
18	Manjunath. R.T	479681	Packing	[signature]
19	Arun M	472917	Production	[signature]
20	Rahul Lonahe	470224	SPB	[signature]
21	P. Kathiravan	474696	RB	[signature]
22	Chithrashree V	718775	SPB	[signature]
23	Usha. PS	715487	SPB	[signature]
24	Mahesh . P	702860	SPB	[signature]
25	Manjunath K.C	460369	SPB	[signature]
26	Ilahi	478322	PMG	[signature]
27	Sandhya	460233	QA	[signature]
28	Anandhu Santhosh	472976	Q.A	[signature]
29	Naresh Padiyar	441662	Prod	[signature]
30	Austin Sam Pappachan	451720	MECH	[signature]
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[signature] Deepak Kundani

[signature] Trainer's Signature
B. Vasudev Rao

Training Attendance Sheet

BIRLA opus PAINTS

Topic	Process Safety Management & Chemical Safety Work Shop	Faculty Name	Vasudev Rao
Venue	Admin-Thungabhadra		
Date	28-01-2026	Type	Internal	External
Duration		Time		

Sl.No	Name	Poornata ID	Department	Signature
1	Manjunath. R. T	479681	Prod - Packing	
2	Ashok M	472912	Prod-RPB	
3	Rahul Londhe	470226	SPB	
4	Ranjitha. Y.R	459149	packing	
5	Chitrashree.V	718775	SPB	
6	Usha.PS	715487	SPB	Usha PS
7	Mahesh.P	702860	SPB	
8	Manjunath K.C	460369	SPB	
9	Ilahi	478322	PMG	
10	Sandhya	460233	QA	
11	Anandhu Santhosh	472976	Q.A	
12	Arun Kumar	462600	WPB	
13	Sudheer	467131	WPB	
14	Adarsha A	473193	SPB	
15	Swadesh	473724	SPB-production	
16	Karthik R	455583	SPB - Production	
17	DHANU KIRAN.D	473820	Packing	
18	Hussen Peera N.S	448559	EHS	
19	Mahesh.K	457064	Materials	
20	Deepak S	457509	Materials	
21	Likhith	460447	Materials	
22	Nagendra HP	421958	EHS	
23	Kathiravan.P	474696	RB	
24	X. Balaji	711172	~~RB~~ MECH	
25	Sabarish.R	486698	EHS	
26	Naresh Padiyar	441662	Prod	
27	Karthik Shetty	481585	RB	
28	Pawmesh Kumar. H.K	457293	WPB	
29	Austin Siva Pandian	451720	~~WPB~~ MECH	
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Deepak Kundani for B. Vasudev Rao

Trainer's Signature

ANNEXURE - VI

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

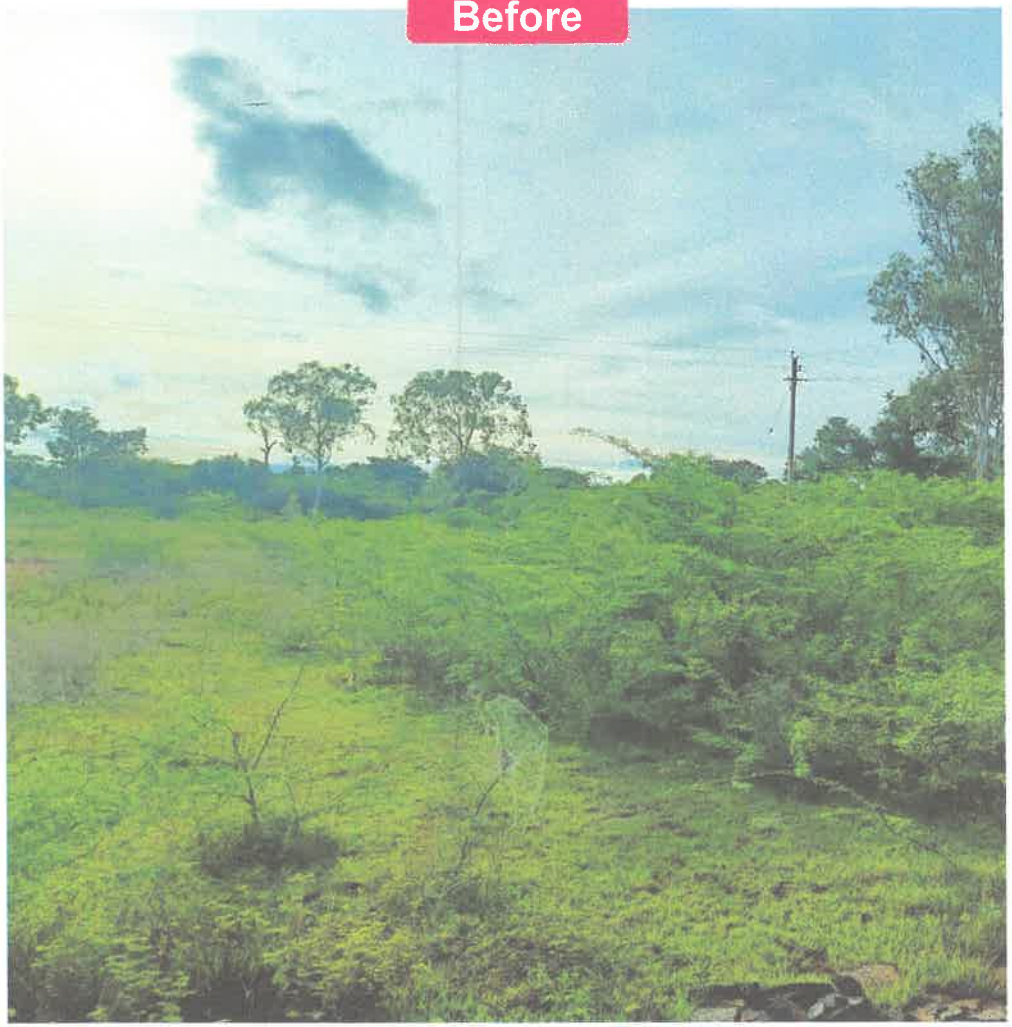
Before

After

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

ADITYA BIRLA GROUP

Before



After

Glimpses of CER Activity- Green Development at Mariyalla Village

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

ADITYA BIRLA GROUP

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	Payment has been done to BRT Tiger Reserve Foundation, Chamarajanagar and work is in progress.
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 1. Kasturu Village, Near Doddammthayi Temple 2. Mariyala Village, Near Basvarajendra Hospital	15 lakhs	14 lakhs	31.03.2024	Completed
	Total		**75 lakhs**	**74.36 lakhs**		

Additional CER Activity

#	Description	Additional Fauna CER	Actual Budget	Status
1	Fauna Conservation	Supply of 1 No. Rapid Response Team vehicle to BRT	8 lakhs	Work in progress
2	Fauna Conservation	Providing 6 Nos. water trough for various wildlife range.	5 lakhs	Work in progress
3	Fauna Conservation	Providing 5 Nos. Solar Borewell for various Wildlife range	10 lakhs	Work in progress
4	Fauna Conservation	Providing 1 No. Tumkur Cage	1 lakhs	Work in progress
5	Fauna Conservation	Providing 2 Nos. Fibre Cage	1 lakhs	Work in progress
Total			**25 lakhs**	

ANNEXURE - VII

ENVIRONMENT POLICY

Grasim Industries Limited-Birla Paints Division recognises that effective management of environmental impacts is a fundamental part of our business. We shall strive to integrate sound environmental practises across our management and governance systems to minimize environmental impacts and attain a leadership position in environmental stewardship.

Birla Paints shall endeavour to:

- Maintain positive legal compliance to environmental regulations and committed to go beyond the statutory requirements and adopt stringent standards.
- Adoption and application of state of art technology and improvement through manufacturing process to minimise the environmental impact of our operations.
- Take initiatives towards efficient use of natural resources and energy; reduction and prevention of pollution; and promoting waste avoidance and recycling measures in line with internationally disseminated technologies and practices.
- Make continuous efforts to minimize freshwater consumption by increasing the use of harvested or recycled water in our operations across all Manufacturing Facilities and contributing towards becoming water positive.
- Raise environmental awareness through participation and consultation at all levels of our operations, through training and effective communication.
- Influence our contractors and suppliers to adopt our environmental policy, principles, and practices, and encourage appropriate environmental management across the supply chain.
- Continually improve environmental performance by strengthening the Environmental Management System conforming to national /international standards, including setting up and reviewing targets and measuring, monitoring, and reporting their progress.
- Monitor, measure, report the progress, performance of environmental conservation and management initiatives in compliance with internationally recognized protocols and communicate approach and achievements to relevant stakeholders.

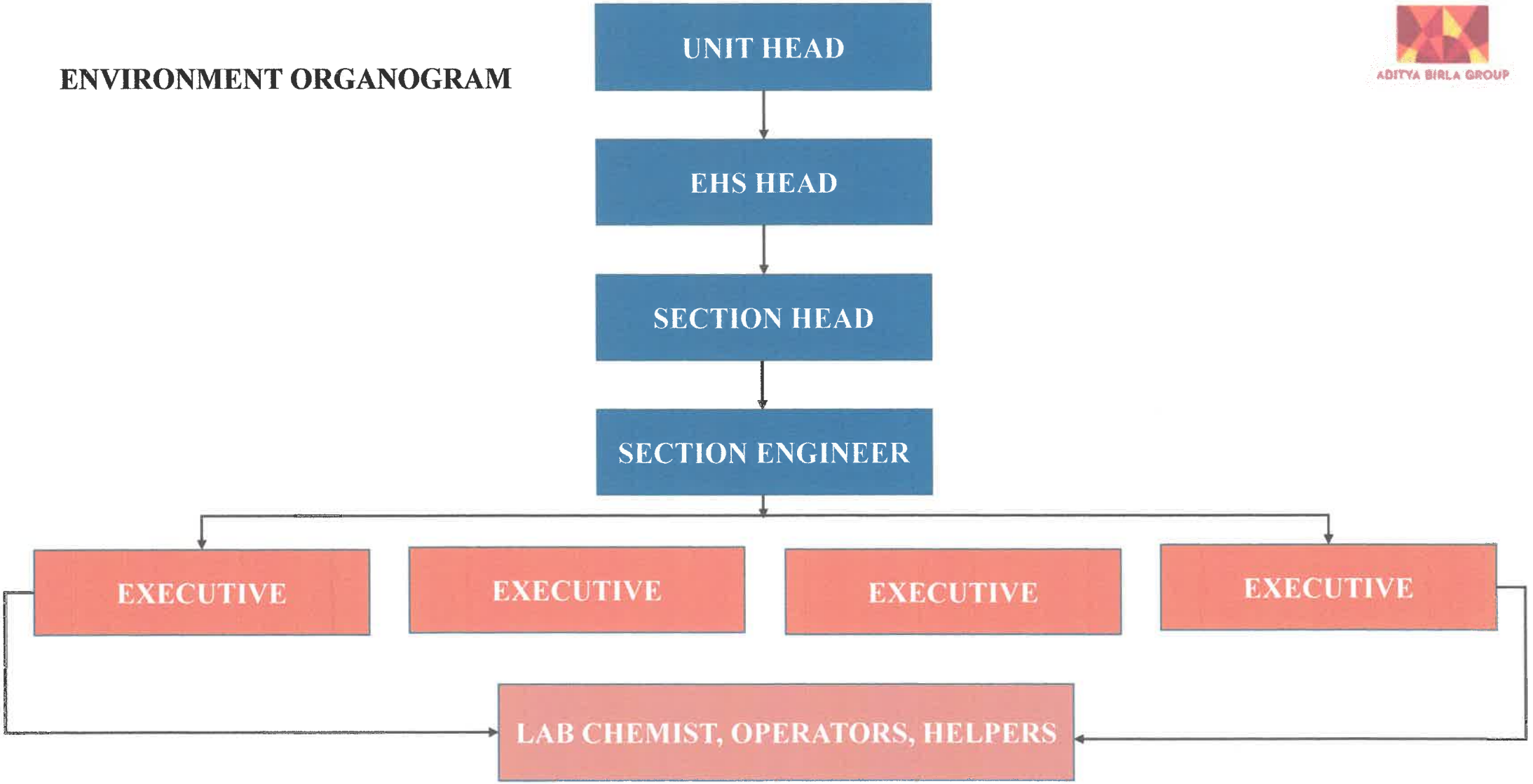
This policy will be reviewed periodically for its suitability and updated as necessary.

Rakshit Hargave
Chief Executive Officer

Date:7th December 2023

ANNEXURE - VIII

ENVIRONMENT ORGANOGRAM



ANNEXURE-IX

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**

#	Description	List of Equipment's/Activity	Status as on March 2026
1	Air Pollution Control	1. No of scrubber- 04 2. No of Dust Bag Filters - 86+14 3. DG Stack - 04 4. Boiler stack - 05 5. Thermic Fluid - 04	1. Scrubber installed 2. Dust collector installed 3. DG stacks are part of DG sets installed - 03 Nos 4. Boiler Installed - 04 Nos 5. Thermic Fluid boiler installation installed - 03 Nos
2	Water pollution control	1.STP-30 KLD 2. ETP-100 KLD 3. RO-100 KLD 4. MEE- 15 KLD	1. STP commissioned 2. ETP commissioned 3. RO commissioned 4. MEE commissioned
3	Solid & Hazardous waste 3 management inclusive of solvent recovery plant	1. Solvent Recovery Plant (SRP) 2. Hazardous Waste Infrastructure	1. SRP Installed 2. Hazardous Waste collection & storage area provided.
4	Noise Pollution Control	1. Provision of acoustic barriers to DG sets, Pumps Motors etc., 2.Provision of Ear plugs/Ear muffs.	1. Acoustic insulation for DG sets provided. 2. As per the process requirement suitable PPE will be provided
5	Environment monitoring and management	1. Treated water quality ETP/STP 2. Emission for stacks monitoring 3. Ambient Air quality 4. Ambient Noise 5. Statutory fees	1. Treated water quality STP- Monthly STP Treated water quality is being monitored through MOEF & NABL Laboratory. 2. Emission for stacks monitoring - Monthly stack monitoring is being carried out through MOEF & NABL Laboratory. 3. Ambient Air quality - Monthly Ambient Air Quality is being carried out through MOEF & NABL Laboratory. 4. Ambient Noise - Monthly Ambient Noise Monitoring is being carried out through MOEF & NABL Laboratory. 5. Statutory fees- Nil
6	Green belt development	1. Developing green belt inside the premises 33% 2. Developing green belt at near by village	1. Internal green belt -To date, approximately 13250 saplings have been planted, covering around 33 acres 2. External green belt-Completed
7	Storm water drainage	1. Construction of Storm water management system	1. Storm Water management system completed
8	Rainwater harvesting ponds	1. Construction for Rain water harvesting system inside the plant. 2. Towards Rain water harvesting schemes Pond Rejuvenation at near by villages	1. Rain water harvesting system completed 2. Pond rejuvenation work completed at doddamma thayi temple, Kasturu village
9	Energy Efficient Lighting Fixtures & EV Charging	1. Installation of energy efficient lights 2. Installation of EV charging Station in Parking Lot	1. Installation of energy efficient lights - Completed. 2. Installation of EV charging Station in Parking - Completed
10	Risk & Hazard/ Occupational Health & Safety	1. Installation of OHC & procurement of ambulance 2. VOC Online monitoring 3. Safety equipment (safety induction kiosk 3. etc)	1. OHC set up-completed & ambulance available at site 2. VOC online monitoring Installation completed 3. Safety kiosk installed
11	Fire & Safety	1. Installation of fire-fighting system 2. In house Fire Tender	1. Fire Hydrant installation Completed 2.Fire tender available at site
12	Fauna Conservation	1. Two Bolero Vehicle to forest department Additional Fauna Conservation Plan 1. Supply of 1 No. Rapid Response Team vehicle to BRT 2. Providing 6 Nos. water trough for various wildlife range. 3. Providing 5 Nos. Solar Borewell for various Wildlife range. 4. Providing 1 No. Tumkur Cage. 5. Providing 2 Nos. Fibre Cage.	1. Two Bolero Vehicle to BRT Tiger Reserve Given The following additional Fauna Conservation Plan in progress 1. Supply of 1 No. Rapid Response Team vehicle to BRT 2. Providing 6 Nos. water trough for various wildlife range. 3. Providing 5 Nos. Solar Borewell for various Wildlife range. 4. Providing 1 No. Tumkur Cage. 5. Providing 2 Nos. Fibre Cage.

ANNEXURE-X

BIRLA opus PAINTS

ADITYA BIRLA GRASIM

Ref No: ABG/GIL/CRN/2025-26/46 **Date: 29.09.2025**

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 2024-Mar 2025.

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 up to 30/06/2028

Dear Sir/ Madam,

With reference to the above subject, we are herewith submitting the Form 5 – Environment statement report for April 2024 -Mar 2025 along with annexure. This is for your kind information and perusal.

Kindly acknowledge the receipt of letter along with annexure.

Thanking You.

Yours's Sincerely,

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

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: **26 SEPTEMBER 2024**

PART –B

WATER AND RAW MATERIAL CONSUMPTION

1. Water Consumption in m^3/d

Water Consumption in m^3/d	Financial Year 2024-25
Process	30.118 m3/d
Cooling	17.166 m3/d
Domestic	15.371 m3/d

Note: Production at the facility commenced in November 2024.

a. Process and Cooling water consumption data presented above have been captured for the period from November 2024 to March 2025.
b. Domestic water consumption data presented above have been captured for the period from April 2024 to Mar 2025.

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 (2023-24)		During the current financial year (2024-25)	
	Production	Water consumption/Unit	Production	Water consumption/ Unit
Paints	Nil	Nil	19696 KL	0.553 KL/KL

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 (2023-24) (kg/L of output)	During the current financial year (2024-25) (kg/L of output)
Additives	Paint	Nil	0.399
Extenders	Paint	Nil	0.486
Pigments	Paint	Nil	0.286
Resin RM	Paint	Nil	0.004
Solvents	Paint	Nil	0.206
Miscellaneous/Others	Paint	Nil	0.028

**Nil:* *Production started in the financial year 2024–25.*

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	–	6.67	
2	BOD, mg/l (3 days at 27 c)	0.111	7.28	
3	Total Suspended Solids, mg/l	0.166	10.85	

4	COD, mg/l	0.540	35.14	All parameters are within the PCB limits
5	Ammoniacal Nitrogen (NH4-N, mg/l)	0.027	1.78	
6	Total Nitrogen (N-Total mg/l)	0.128	8.37	
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-1				
1	Particulate Matter, mg/m3	2.309	24.53	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	2.108	22.39	
3	Oxides of Nitrogen, mg/m3	3.619	38.45	
4	Carbon Monoxide, mg/m3	6.616	70.28	
5	Non-Methane Hydrocarbon, mg/m3	1.996	21.2	
DG-2				
1	Particulate Matter, mg/m3	2.108	22.43	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	2.062	21.94	
3	Oxides of Nitrogen, mg/m3	3.742	39.81	
4	Carbon Monoxide, mg/m3	6.200	65.96	
5	Non-Methane Hydrocarbon, mg/m3	1.910	20.32	
DG-3				
1	Particulate Matter, mg/m3	1.461	26.35	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	0.998	17.99	
3	Oxides of Nitrogen, mg/m3	1.764	31.81	
4	Carbon Monoxide, mg/m3	4.917	88.67	
5	Non-Methane Hydrocarbon, mg/m3	1.398	25.20	
Boiler-1				
1	Particulate Matter, mg/m3	7.968	28.35	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	4.458	15.86	
3	Oxides of Nitrogen, mg/m3	9.739	34.65	
4	Carbon Monoxide, mg/m3	27.891	99.23	
5	Non-Methane Hydrocarbon, mg/m3	6.701	23.84	
Boiler-2				

1	Particulate Matter, mg/m3	9.467	28.55	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	5.418	16.34	
3	Oxides of Nitrogen, mg/m3	11.350	34.23	
4	Carbon Monoxide, mg/m3	34.628	104.43	
5	Non-Methane Hydrocarbon, mg/m3	8.048	24.27	
Boiler-3				
1	Particulate Matter, mg/m3	12.020	27.58	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	7.448	17.09	
3	Oxides of Nitrogen, mg/m3	15.245	34.98	
4	Carbon Monoxide, mg/m3	43.082	98.85	
5	Non-Methane Hydrocarbon, mg/m3	10.464	24.01	
Boiler-4				
1	Particulate Matter, mg/m3	10.323	20.92	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	7.900	16.01	
3	Oxides of Nitrogen, mg/m3	19.797	40.12	
4	Carbon Monoxide, mg/m3	40.398	81.87	
5	Non-Methane Hydrocarbon, mg/m3	12.889	26.12	
Thermic Fluid Heater-1				
1	Particulate Matter, mg/m3	10.761	24.00	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	8.236	14.78	
3	Oxides of Nitrogen, mg/m3	20.638	32.98	
4	Carbon Monoxide, mg/m3	42.114	111.12	
5	Non-Methane Hydrocarbon, mg/m3	13.436	24.82	
Thermic Fluid Heater-2				
1	Particulate Matter, mg/m3	11.401	22.75	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	7.021	14.51	
3	Oxides of Nitrogen, mg/m3	15.667	32.53	
4	Carbon Monoxide, mg/m3	52.788	104.51	
5	Non-Methane Hydrocarbon, mg/m3	11.791	22.63	
Thermic Fluid Heater-3				
1	Particulate Matter, mg/m3	11.581	26.55	All parameters are within the PCB limits
2	Sulphur dioxide, mg/m3	7.386	17.48	
3	Oxides of Nitrogen, mg/m3	16.560	33.53	
4	Carbon Monoxide, mg/m3	53.201	111.66	
5	Non-Methane Hydrocarbon, mg/m3	11.520	23.22	
Process stack-1				
1	VOC in mg/m3	0.0033	0.095	All Parameters are within the PCB limits

Process stack-2				
1	VOC in mg/m3	0.0027	0.092	All Parameters are within the PCB limits
Process stack-3				
1	VOC in mg/m3	0.0065	0.428	All Parameters are within the PCB limits
Process stack-4				
1	VOC in mg/m3	0.0030	0.186	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 (2023-24)	**During the current financial year (2024-25)**
(a) From Process		
3.1- Cargo residue, washing water and sludge containing oil	Nil	00
3.3- Sludge and filter contaminated with oil	Nil	00
5.1- Used Spent Oil	Nil	00
5.2- Waste residues containing oil	Nil	5.27
20.1- Contaminated aromatic, aliphatic or naphthenic solvents may or may not be for reuse	Nil	Nil
20.3- Distillation Residues	Nil	22.48

21.1- Process Wastes, Residues and Sludges	Nil	17.57
23.1- Wastes or residues (not made with vegetable or animal materials)	Nil	4.07
33.1- Barrels/Containers/liners contaminated with hazardous chemicals/wastes	Nil	31.46
(b) Pollution Control Facilities		
34.1-Chemical containing residue arising from decontamination	Nil	00
35.1- Flue gas cleaning residue	Nil	00
35.2- Spent ion exchange resin containing toxic metals	Nil	00
35.3- Chemical sludge from wastewater treatment	Nil	37.94
35.4- Oil and Grease skimming residue	Nil	00
36.2- Spent carbon or filter medium	Nil	00

**Nil:* *Production started in the financial year 2024–25.*

PART – E

SOLID WASTE

	Total Quantity (MT)	
Solid Wastes	**During the previous financial year (2023-24)**	**During the current financial year (2024-25)**
(a) From Process		
B1010- Metal and Metal Alloy waste in metallic, non-dispersible form	Nil	6.380
B3020-Paper Waste	Nil	28.04
B3050-Wooden Waste	Nil	11.51
DB3011-Solid Plastic Waste	Nil	38.29
(b) Pollution Control facility		
B1031-Powder waste	Nil	00
(c.) (1) Quantity recycled or reutilized within the plant	Nil	00
(2) Sold	Nil	00
(3) Disposed	Nil	00

**Nil:* *Production started in the financial year 2024–25.*

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 sauthorized pre-processors/recyclers. The fingerprint analysis data given below.

Sr. No	Parameter	Method	Unit	Hazardous Waste Categories					
				5.2 - Waste residue containing oil	20.3 - Distillation Residue	21.1 Process wastes, residue and sludge (Filter Residue)	23.1 Wastes or residues such as filter aid	33.1 Contaminated liners/ barrels	35.3 Chemical sludge from wastewater treatment
				Result	Result	Result	Result	Result	Result
1	Physical State	USEPA SW-846	-	Solid	Solid	Solid	Solid	Solid	Solid
2	Colour		-	Whitish grey	Brown	Whitish grey	Whitish grey	Whitish grey	White
3	Bulk density	ASTM D5057 90	g/cm3	0.58	1.28	0.55	0.54	0.42	0.84
4	Calorific Value	IS:1359-1959	Cal/g	6129	4258	5368	5129	5115	<200
5	Flash Point	1020A	°C	>60	>65.0	>60	>60	>60	>60
6	Loss on Drying at 105 ° c	APHA 2540	%	6.32	12.16	3.21	7.12	7.16	32.05
7	Loss on Ignition at 550 ° c		%	75.18	65.12	74.15	69.58	78.65	8.1

8	Paint Filter liquid Test	9095A	-	Pass	Pass	Pass	Pass	Pass	Pass
9	pH at 26.0°C	9045C	-	3.66	6.87	3.75	3.66	3.84	7.35
10	Reactive Cyanide	9014	mg/kg	<1	Pass	<1	<1	<1	<1
11	Reactive Sulphide	9034	mg/kg	<1	Pass	<1	<1	<1	<1
12	Water Soluble Substances	3510C	-	1.24	Sparingly	1.68	1.45	1.44	3.25
13	Is there any violent chemical change (in air)			NO	NO	NO	NO	NO	NO
14	Reacts violently with water			NO	NO	NO	NO	NO	NO
15	Unstable and readily undergoes violent change without detonating			NO	NO	NO	NO	NO	NO
16	Generating of toxic fumes with water/acid/basic			NO	NO	NO	NO	NO	NO
17	Explosion when subjected to a strong initiating force			NO	NO	NO	NO	NO	NO
18	Explosion at normal temperature & pressure			NO	NO	NO	NO	NO	NO

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

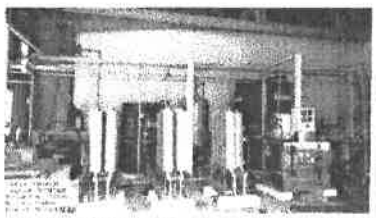
PART-G

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

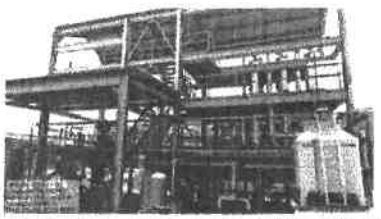
1. **Water:**

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. 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. 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. **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

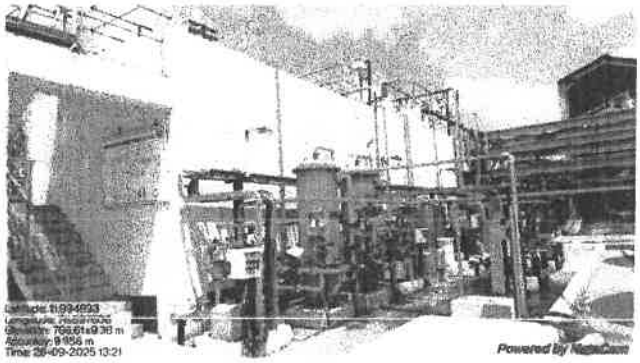


RO PLANT



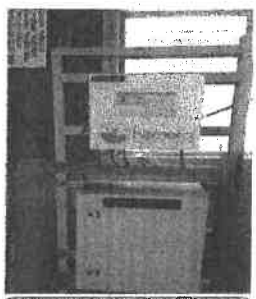
MEE PLANT

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.



SEWAGE TREATMENT PLANT

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.

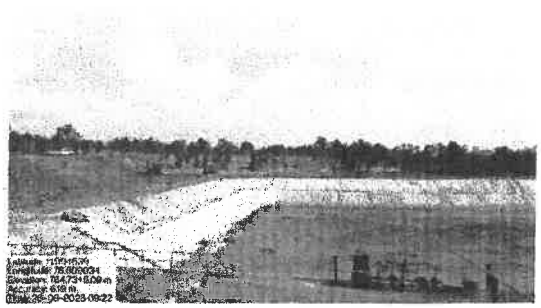


OCEMS (pH and TSS Analyser)

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.

ROOF WATER POND

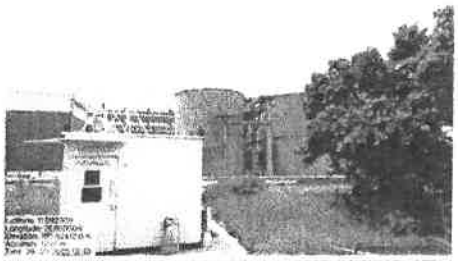


STORM WATER POND

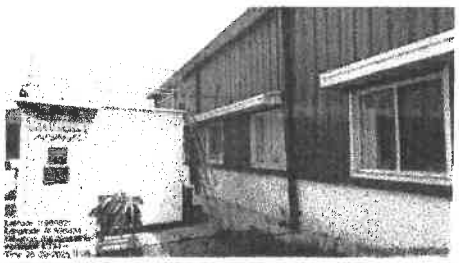
2. AIR:

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

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

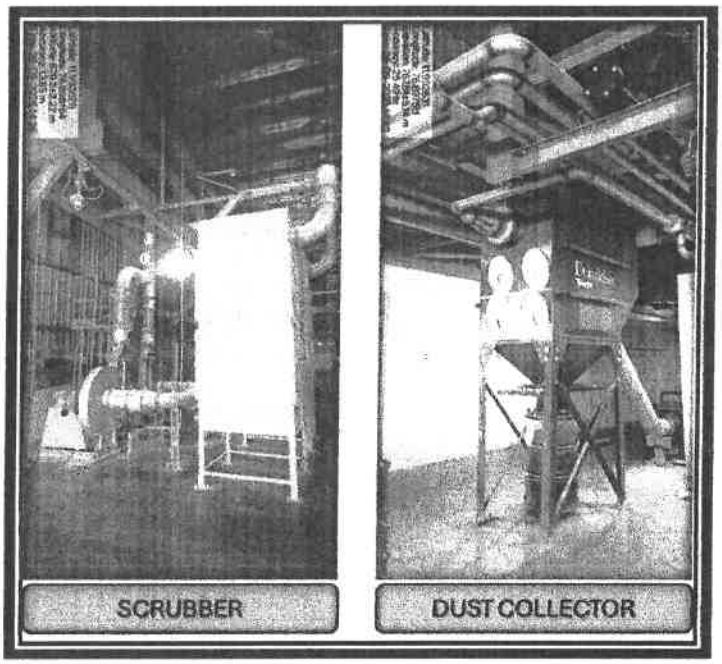


CAAQMS STATION 2

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:



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.

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.

PART –I

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

We planted various local species of saplings at our factory premises to enhance greenery inside the facility.

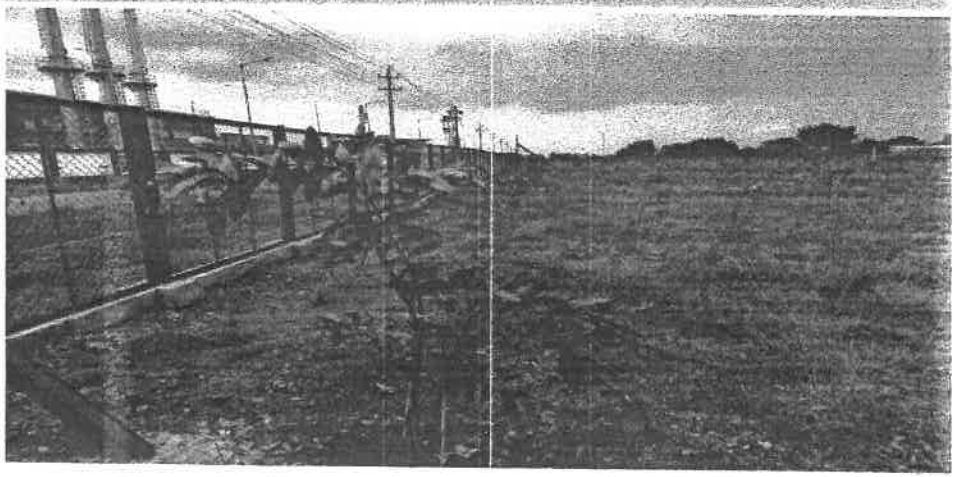
- As of the end of FY 2024-25, a total of 117,329.94 m² of green belt has been developed within the facility, out of the planned 136,496 m².
- Approximately 7,609 trees have been planted to support ecological balance and improve air quality.
- Photographic evidence of the green belt development is provided in Annexure 1.
- The green belt development is working in progress, with pending tree plantation activities being carried out in accordance with the conditions stipulated in Environmental Clearance (EC).

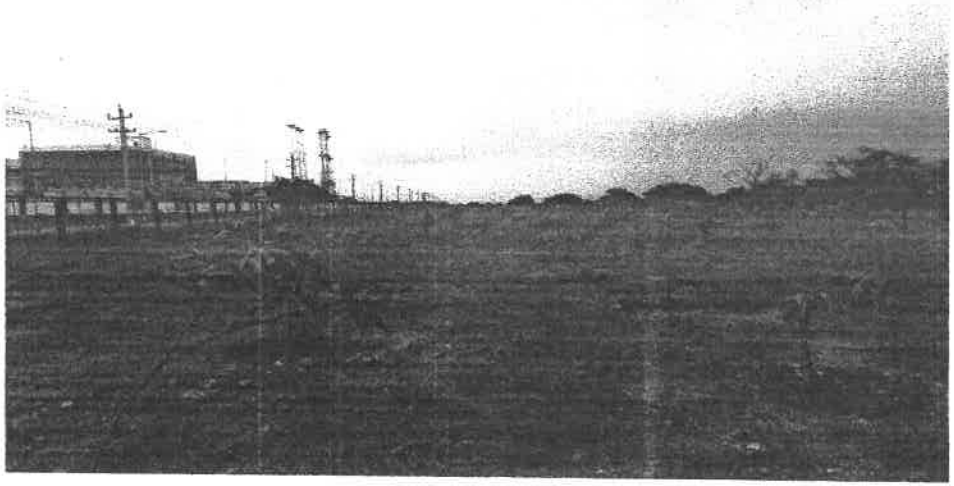
The plantation includes a diverse mix of native and pollution-tolerant species, categorized into upper canopy and middle layer trees:

Trees List		
Sr. No	**Plants Name**	**Total**
1	Silver Oak	**1,057**
2	Spathodia	**119**
3	Mahagony	**497**
4	Cassia javanica	**1,293**
5	Pongamia pinnata	**1,400**
7	Mango	**493**
8	Jamun (Seziumcumini)	**802**
9	Anthocephalus cadamba	**683**
10	Terminalia Arjuna	**1,265**
11	Cassia Siamea	**243**
12	Bauhinia Purpera	**170**

We celebrated Word Environment Day on 5th June 2024 & planted 100 plants in factory premises. (*Photographic evidence is provided in Annexure 2).*

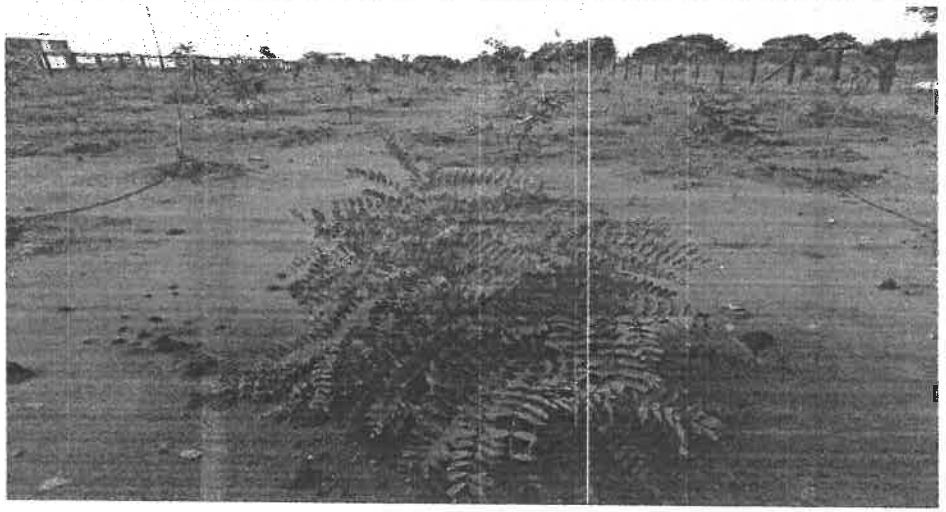
Annexure 1: Glimpses of Internal Green Belt Development as per the EC conditions

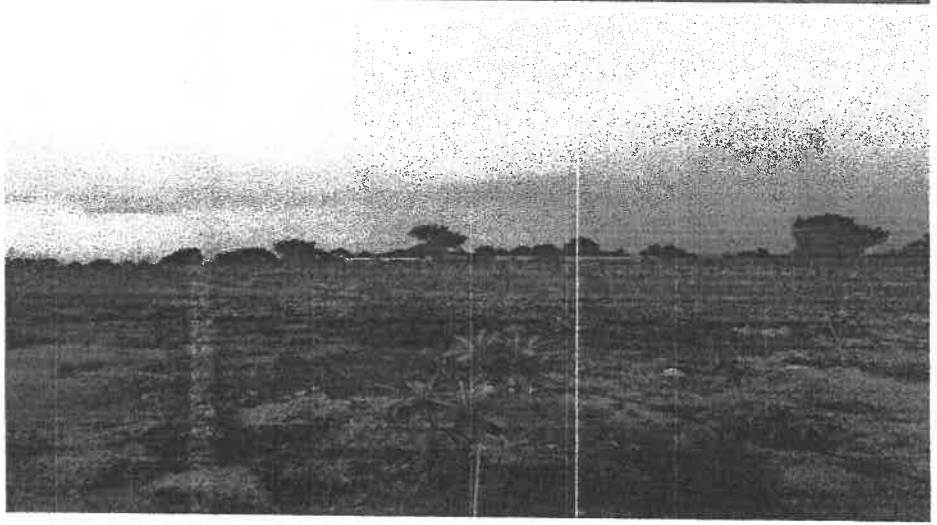




Annexure 1: Glimpses of Internal Green Belt Development as per the EC conditions

Annexure 1: Glimpses of Internal Green Belt Development as per the EC conditions

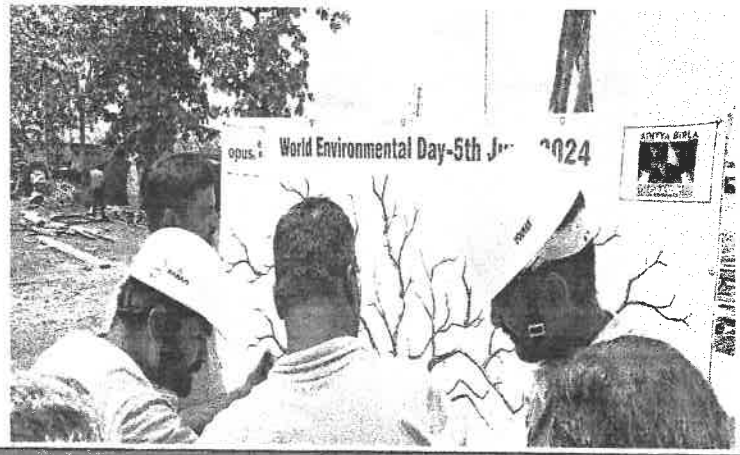


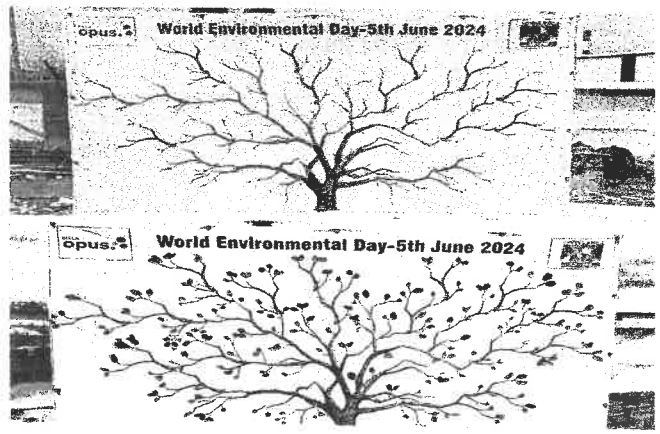


Annexure 2: World Environment Day Celebration – 5th June 2024

Planted 100 saplings in 1 minute

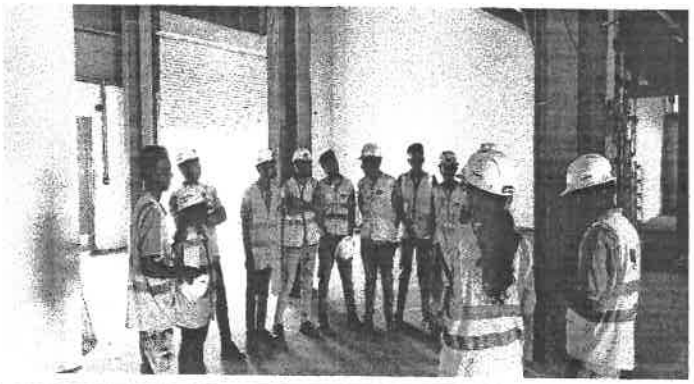
Environment Day Banner





Environment Oath Tree

Annexure 2: World Environment Day Celebration – 5th June 2024

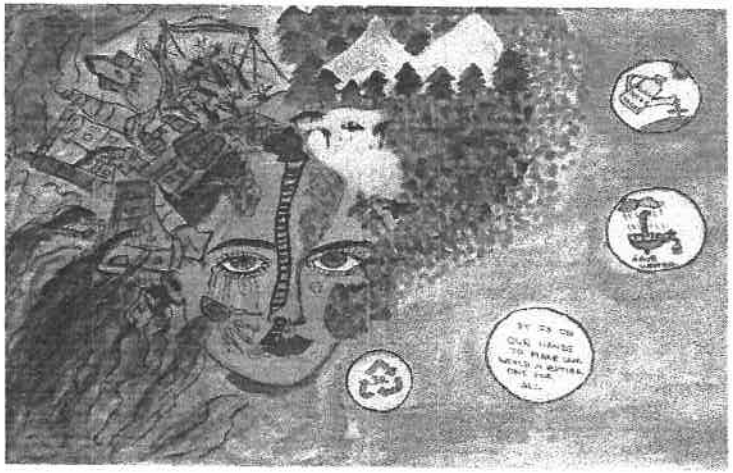



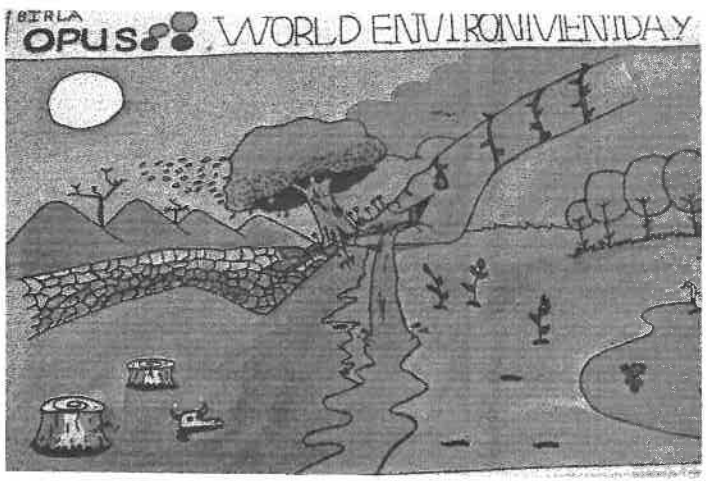

On Spot Quiz Competition

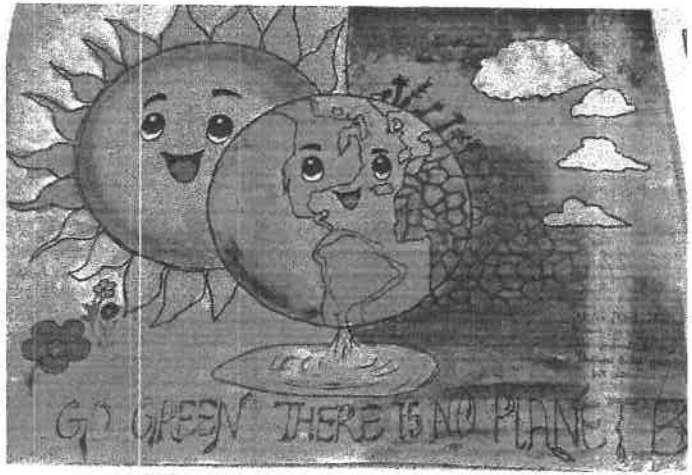


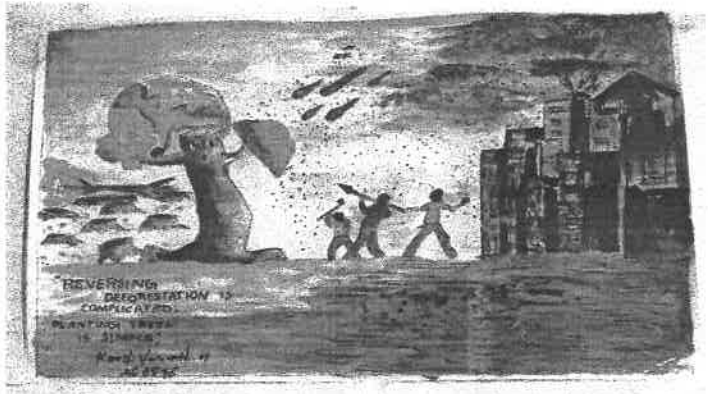
Poster Competition conducted for Interns

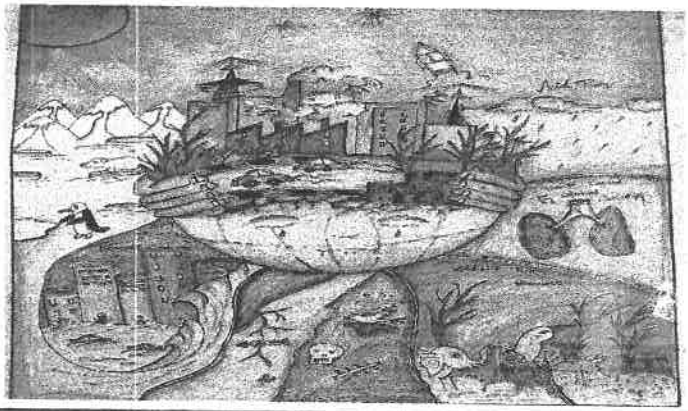
Annexure 2: World Environment Day Celebration – 5th June 2024











Poster Competition for Family Members

ANNEXURE - XI

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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Tel: (07366) 246766, CIN: L17124MP1947PLC000410
www.grasim.com & www.adityabirla.com

'X': www.twitter.com/adityabirlagrp ; 'X' handle: @GrasimInd / @AdityaBirlaGrp

Cautionary Statement

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.