

Ref No: ABG/GIL/CRN/20/2024

02.05.2024

To,
The Additional Principle Chief Conservator of Forest
Ministry of Environment, Forest, and Climate Change
Floor, 4th E & F wing, Kendriya sadan
17th Main road, IInd Block road Koramanagala,
Bangalore - 560 034, Karnataka.

Subject: Submission of Environmental Clearance Pointwise compliance report.

Reference No: SEIAA/48/IND/2021 dated: 11/04/2022

Dear Sir/Madam,

With reference to subject, Under Environmental Protection Act 1986, we are herewith submitting Environmental Clearance pointwise compliance status update report for Six Months (October-2023 to March-2024) along with Annexures. This is for your kind information & perusal.

Kindly acknowledge the receipt of letter along with the compliance report.

Thanking You.

Yours Sincerely,
For Grasim Industries Limited



G Breedh Kumar
General Manager

Enclosures: Annexures

Grasim Industries Limited (Birla Paints Division)

Site Address: Plot No.147-A, 147-B, 147-C,148/1 Badanaguppe-Kellamballi Industrial Area,
Kellamballi Village, Kasaba Hobli, Chamarajanagar Taluk, Chamarajanagar – 571313, Karnataka.

Website : www.adityabirla.com ; CIN: L17124MP1947PLC000410

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

**POINTWISE ENVIRONMENTAL CLEARANCE [EC NO. EC22B023KA 154511] 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. (Incase of the presence of schedule-I species in the study area)	Not Applicable
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	CTE granted by KSPCB (Document No.: KSPCB/Consent/: 331600 Dated:04/06/2022. Refer Annexure - I CFO granted by KSPCB (Document No.: AW-342557 Dated: 20/03/2024). Refer Annexure - II
V	e.The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Shall be Complied
VI	f. 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	Shall be Complied
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.	Shall be complied as per Emission standards stipulated for paint industry as per G.S.R 124 € dated 28th December 2018.
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.	Shall be Complied
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.	Ambient Air Quality monitoring carried out & Monitoring report attached. Refer 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.	Coal Fired Boiler - Not applicable stack Height shall be compiled
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	Shall be Complied
VI	National Emission Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.	Shall be Complied
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	Not applicable
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)	Guidelines applicable for ZLD will be Complied
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).	Shall be Complied All the Effluent from process & utility blocks are treated in ETP & reused back in the process & Sewage water is treated in STP & will be used for gradening.

III	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State pollution control Board while granting Consent under the Water Act, whichever is more stringent.	All the Effluent from process & utility blocks are treated in ETP and reused back in the system
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	Shall be complied
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.	Complied Process effluent generation will be closed loop system to avoid Storm water mix with effluent
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.	Complied The system for collecting rainwater from roof tops & open areas along with storage reservoirs of capacity 18000 m3 and 22275 m3 will be provided. The rainwater will be utilized back in process.
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.	Shall be Complied
Noise Monitoring and Prevention		
I	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Shall be Complied
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.	complied The overall noise levels in and around the plant area are well within the standards.
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.	Complied Ambient Noise monitoring carried out & report attached. Refer Annexure - IV
Energy conservation measures		
I	The energy sources for lighting purposes shall preferably be LED based	Shall be Complied
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.	Complied Flame arrestors shall be provided for storage tanks & solvents are transferred through pumps.
II	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF'	As per Hazardous & Other waste Transboundary rules,- Shall be Complied
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	ETP treated water Recycling & reuse for process and other recovery system is in place.
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.	Phase wise Green belt development plan prepared to ensure 33% Greenery
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	Complied & submitted during EC granting.
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
III	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Complied
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
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'	Complied
VI	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Premedical check-up is done and periodical medical examination is being done on every six-month as per KBOCW rule.

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	Shall be complied
Corporate Environment Responsibility		
I	The project proponent shall comply with provision contained in OM vide F.No.22_6512017 -IA.IrI 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 will be complied. 1. Antipoaching camp & Borewell with water tank work in progress. 2. Two Bolero vehicle given to forest department for fauna conservation. 3. Pond rejuvenation work completed at Doddamma thayi temple. 4. External Green belt development completed at Kasturu village. 5. External Green Development completed at Mariyalla villages Refer Annexure - V
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 wild life 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.	GIL (Paints Division) have environmental policy duly approve by the senior management and it is displayed at project site. Copy will be submitted to MOEF & KSPCB with the six-monthly compliance report. Refer Annexure - VI
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 EHS professionals.
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. Refer Annexure - VII
V	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted
Miscellaneous		
I	Effort shall be made to replace Hexane, Toluene and Bromine by alterative as per the SEAC condition.	Shall be Complied
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 vernicular language within seven days and in addition this shall also be displayed in the project proponent's website permanently	Complied As per EC order, Company was given advertisement in two local newspapers of the District/State within 7 days (dated 17/04/2022) from EC granted by SEIAA (dated 11/04-2022).- Completed
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 Movement who in tum has to display the same for 30 days from the date of receipt	As per EC order, environmental clearance copy has been submitted to KSPCB office and other government agencies to display for 30 days in public favour- Completed
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
V	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2' NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company	Ambient Air quality monitoring is carried out- complied
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
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 ros.z.bng-mefcc@gov.in Hard copy of HYCRs shall not be acceptable"	Complied
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	As per Environment (Protection) Rules, 1986, Every year Form V, will be submitted to regional KSPCB office.
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 conceded authorities' commencing the land development work and start of production operation by the project	Complied

X	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government	Shall be Complied
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'	Shall be Complied
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
XIII	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
XIV	The SEIAA may revoke or suspend the clearance' if implementation of any of the above conditions is not satisfactory	Noted
XV	The SEIAA reserves the right to stipulate additional conditions if found necessary. The for each financial year prescribed under Company in a time bound manner shall implement these conditions	Noted
XVI	The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend fu[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.	Completed- Ongoing
II	Carryout audit of VOC emissions from the process on annual basis.	Shall be Complied

Annexure I - CTE Approval Letter
Annexure II - CFO Approval Letter
Annexure III- Ambient Air Quality Monitoring Report
Annexure IV - Ambient Noise Monitoring Report
Annexure V - CER Update
Annexure VI - Environmental Policy
Annexure VII - Environmental Management Plan

**Consent For Establishment (CFEs)**

Consent No. CTE-331600 Valid upto: 10/04/2032

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

Industry Colour: RED Industry Scale: LARGE

(This document contains 8 pages including annexure & excluding additional conditions)

Consent Order No. CTE-331600 **PCB ID:** 107372 **Date.** 04/06/2022To,
The Applicant
Grasim Industries Ltd
Village Kasaba Hobli,
Chamarajanagar, Karnataka

Sir,

Sub: Consent to Establish under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981-reg.,

Ref: 1. CFE application submitted by the industry/organization on 19/04/2022 at Regional Office

2. Inspection of the project site by Regional Officer Chamrajana on 20/04/2022
gar

3. Proceedings of the ECM dated 18/05/2022, held on 06/05/2022

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Establishment** for new Activity under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the following terms & conditions.**Location:**Name of the Applicant: 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:**

1. This consent for establishment is valid up to 10/04/2032 from the date of issue.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.
4. This consent is granted considering the following activities:

Sr	Product Name	Applied Qty	Unit
1	Paint	50000.0000	Kilo Litres/month
2	Resin and Water Based Polymers	20833.3000	Kilo Litres/month
3	solvent -recovery	360.0000	Kilo Litres/month
4	Thinners	2083.3000	Kilo Litres/month

I. WATER CONSUMPTION:

1. The source of water shall be from KIADB and total water consumption shall be as below.

Particulars	Water consumption(KLD)
Boiler Feed	24.0
Cooling Water	127.0
Domestic Purpose	27.0
Manufacturing Processes	702.0
Others	145.0
Others	0.0
Others	2.0
Others	110.0
Others	2.0



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II. WATER POLLUTION CONTROL:

1. The discharge from the premises of the applicant 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 or Rules made there under.
2. The applicant shall treat the domestic wastewater from the factory in septic tank with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be designed as per IS 2470 Part - I and Part - II
3. The applicant shall treat the domestic wastewater in the Sewage Treatment Plant (STP) as per the proposal submitted. It shall meet the standards specified in Annexure-I & shall be used on land for gardening/greenbelt within the factory premises.
4. The quantity of domestic waste water and trade effluent generated from the proposed industry shall not exceed the permitted quantity as indicated below

Discharge of effluents under the Water Act:

Sl. No.	Description	Permitted Quantity of discharge in KLD	Mode/Place of disposal
4	Boiler Feed	2.000	Boiler feeding : WC :24.0 Kld, WWG : 2.0 kld. Treated in ETP plant - 100 kld capacity. Treated water is reused for cooling tower
5	Cooling Water	18.000	Cooling Tower purposes : WC :127.0 Kld, WWG : 18.0 kld. Treated in ETP plant - 100 kld capacity. Treated water is reused for cooling tower
8	Domestic Purpose	26.000	Domestic purposes : WC: 27 kld, WWG : 26 kld . Discharge to STP- 30 KLD Capacity for further treatment . Treated water is used on land for gardening purposes within the premises.
9	Manufacturing Processes	6.000	Process : WC : 702 Kld, WWG : 6.0 kld. Treated in ETP plant - 100 kld capacity. Treated water is reused for cooling tower.
1	Others	40.000	RO reject generate from water treatment plant taken to ETP for further treatment.
2	Others	0.000	Green Belt Area
3	Others	2.000	Scrubber : WC :2.0 Kld, WWG : 2.0 kld. Treated in ETP plant - 100 kld capacity. Treated water is reused for cooling tower
6	Others	2.000	Floor washing purposes : WC :2.0 Kld, WWG : 2.0 kld. Treated in ETP plant - 100 kld capacity. Treated water is reused for cooling tower
7	Others	20.000	Wash water during equipment cleaning : WC :110 Kld, WWG : 20.0 kld. Out of 110 KLD wash water effluent 90 KLD is reused back to process without any treatment. 20 KLD effluent is taken to ETP for further treatment. Treated water is reused for cooling tower.
			In total Water consumption (110 kld), 90kld is reused in process.

5. The applicant shall treat the trade effluent in proposed ETP which consists of the following;

STP & ETP details

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SINo	ETP/STP NO	ETP Code	Category Name	Capacity (Meter Cubic)	Units	Remarks
1	STP1	BS-	Bar Screen	0.30	1	
2	STP1	CDT	P-Chemical Dousing Tank	0.10	1	hypochlorite dosing tank : 0.5 dia x 0.6 = 0.1 m3
3	ETP1	CLA	P-Clarifier	29.00	1	clarifier 2 (3.5 dia x 3.0 = 29 m3)
4	ETP1	CLA	P-Clarifier	29.00	1	clarifier 1 = 3.5 dia x 3.0 = 29.0 m3
5	ETP1	CLA	P-Clarifier	29.00	1	dia 3.5 H 3 mts
6	ETP1	COL	P-Collection Tank	20.00	1	Intermediate collection Tank 3x2.2x3
7	STP1	COL	P-Collection Tank	22.50	1	Equalization tank 3x3x2.5
8	STP1	COL	P-Collection Tank	0.00	1	Biological nitrogen removal unit
9	ETP1	COL	P-Collection Tank	110.00	2	final collection tank : 3.5 x 3.5 x 4.5 = 55(2 No's)
10	STP1	COL	P-Collection Tank	25.20	1	
11	STP1	COL	P-Collection Tank	30.00	1	intermediate collection tank
12	ETP1	EQU	P-Equalization Tank	153.60	3	
13	ETP1	EQU	P-Equalization Tank	51.20	3	4 x 4 x 3.4 = 51 m3
14	ETP1	FLM	P-Flash Mixer	1.20	1	1 x 1 x 1.2 = 1.2 m3
15	ETP1	FLO	P-Floculator	2.00	1	1.2 x 1.2 x 1.4 = 2.0 m3
16	ETP1	HOL	P-HOLDING TANK	20.00	1	3x2.2x3
17	STP1	OGT	P-Oil-Grease Trap	3.00	1	
18	ETP1	PRI	Primary	13.00	1	DAF Tank : 2.5 x 2 x 2.5 = 13.0 m3
19	ETP1	PRI	Primary	29.00	1	Primary Clarifier(3.5 Dia x 3.0)=29 m3
20	STP1	AER	S-AERATION TANK	18.00	1	
21	ETP1	AER	S-AERATION TANK	506.00	1	Aeration tank 1st Stage = 15 x 7.5 x 4.5 = 506 m3
22	ETP1	AER	S-AERATION TANK	272.00	1	Aeration tank 2nd stage = 11 x 5.5 x 4.5 = 272 m3
23	STP1	CLS	S-Sec Clarifier	12.50	1	DAF Tank 1 2.5, x 2 x 2.5
24	ETP1	SDB	S-Sludge Dry Beds	5.00	1	1.6x1.5x2
25	STP1	SDB	S-Sludge Dry Beds	0.00	1	
26	STP1	SHT	S-SLUDGE HOLDING TANK	10.00	1	
27	ETP1	SHT	S-SLUDGE HOLDING TANK	10.00	1	sludge collection sump : 2 x 2 x 2.5 = 10.0
28	ETP1	SHT	S-SLUDGE HOLDING TANK	10.00	1	4.5x1.5x3



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29	STP1	CFL	T-CARBON FILTER	5.00	1	Activated carbon filter Dia 1.2 m, H 4 mts
30	ETP1	CFL	T-CARBON FILTER	5.00	1	Activated carbon filter Dia 1.2 m, H 4 mts
31	ETP1	MEE	T-Mlt. Effect Evaporator	75.00	1	MEE feed tank 3.2x5.53
32	ETP1	ROP	T-R.O Plant	100.00	2	RO feed Tank each 50 KL capacity
33	ETP1	ROP	T-R.O Plant	100.00	2	RO permiate tank 50 KL each
34	ETP1	ROP	T-R.O Plant	30.00	1	RO reject tank 2.1x4.61
35	STP1	SFL	T-SAND FILTER	5.00	1	Pressure sand filter Dia 1.2 m, H 4 mts
36	ETP1	SFL	T-SAND FILTER	5.00	1	Pressure sand filter dia 1.2 x 4
37	STP1	TER	Tertiary	0.00	1	Micron cartridge filter
38	ETP1	TER	Tertiary	29.00	1	tertiary clarifier : 3.5 dia x 3.0= 29.0 m3

6. The applicant shall ensure that the ETP will treat the effluent to the stipulated standards as indicated in Annexure-I
7. The applicant shall not discharge any effluent outside the industry premises.
8. The applicant shall provide separate flow meter for inflow & outflow of effluents through ETP and separate energy meter and shall maintain a logbook for hourly record of meter reading for the verification of inspecting officers
9. The applicant shall discharge the effluents only to the place mentioned in the Consent order.

III. AIR POLLUTION CONTROL:

1. The Source of emission, Stack height & Air Pollution Control (APC) measures shall be as specified 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.

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(This document contains 8 pages including annexure & excluding additional conditions)

IV. 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:-

- In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- 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.

V. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

- The applicant shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016, in such manner so as not to cause environmental pollution.
- The details of solid waste generated from the proposed plant and mode of disposal shall be as below.

Sr	Solid Waste Name/Type	Qty-Unit	Mode of Disposal
1	Plastic Waste	41.6600 - M.T	OTH
2	Organic waste (386 MT/A)	32.1600 - M.T	OTH
3	Miscellaneous (240 MT/A)	20.0000 - M.T	OTH
4	Plastic RM containers	30.9120 - M.T	OTH

VI. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES 2016:

- The applicant shall apply and obtain authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016, and comply with the provisions of the said Rules.

VII. GENERAL:

- The applicant 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.
- The applicant shall not commission the proposed plant for trial or regular production unless necessary Water & air pollution control equipments are installed as specified in the Consent Order.
- The applicant shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.
- The applicant shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/emissions and (d) install/replace/alter the water or air pollution control equipments without the prior approval of the Board.
- The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation to the Board.
- The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
- This CFE does not give any right to the Party/Project Authority/Industry to forego any other legal requirement, that is necessary for setting/operation of the plant.
- The applicant shall furnish pointwise compliance to the conditions given under this consent for establishment along with the application for Consent to operate.



**Consent For Establishment (CFEs)**

Consent No. CTE-331600 Valid upto: 10/04/2032

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

Industry Colour: RED Industry Scale: LARGE

(This document contains 8 pages including annexure & excluding additional conditions)

10	Boiler	Boiler - 0.5 TPH- 1 No's	30	PM,SO2,NOx	1200,600,300	DIE	PRT
11	D.G. Sets	DG Sets- 500 KVA - 2 No's (For construction phase)	4	PM,SO2,NOx	75,710,-	DIE	AEC,PRT
12	Boiler	Boiler - 2 TPH- (3 working & 1 Standby) Total-4 Nos	30	PM,SO2,NOx	800,600,300	DIE	PRT

Note:

AEC : Acoustic Enclosures

AEC,PRT : Acoustic Enclosures

DUS,PRT : Dust Collector

FIL,PRT : Bag Filter

PRT,SCR : Port Hole

PRT : Port Hole

PRT : Port Hole

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 or rectangular stacks, the equivalent diameter can be calculated from the following equation.

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

- The diameter of the sampling port should not be less than 100mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period.
- 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.
- The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

FOR AND ON BEHALF OF KARNATAKA
POLLUTION CONTROLBOARD

Validity unknown

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Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001

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

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

Combined Consent Order No: AW-342557

PCB ID: 107372

GSC No : PBOXG0000204442

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/ac & to make discharge of the effluents & emissions conforming 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
4

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 conform 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 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 operation 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 & TRANSBOUNDARY MOVEMENT) Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary 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 an 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 be 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 whatsoever 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 control 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 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 indicated in the EC will prevail.
5. The applicant shall comply with the conditions stipulated in Environmental Clearance issued by SEIAA, Karnataka vide 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 shall submit the compliance report on installation and commissioning of the same to the Board.

Chimney 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,SO ₂ ,NO _x ,CO, NMHC	0,0,0,0,0	DIE	PRT	
2	Any Other	thermic fluid heater 20 K Cal	30	PM,SO ₂ ,NO _x ,CO, NMHC	0,0,0,0,0	DIE	PRT	
3	Boiler	bioler 2 TPH	30	PM,SO ₂ ,NO _x ,CO, NMHC	0,0,0,0,0	DIE	PRT	
4	D.G. Sets	2000 KVA DG Set	30	PM,SO ₂ ,NO _x ,CO, NMHC	710,100,75,150,0	DIE	AEC	
5	Any Other....	dust collector s bulk powder handling area (14 nos.) common chimney with individual APC equipment	3	PM,SO ₂ ,NO _x ,CO, NMHC	50,0,0,0,0	PM	FIL,DUS,PRT	
6	Any Other....	process stack-3 Emulsion Block	3	PM,SO ₂ ,NO _x ,CO, NMHC	0,0,0,0,0	PM,SO ₂ ,Nox	PRT,SCR	
7	D.G. Sets	1010 KVA DG Set	30	PM,SO ₂ ,NO _x ,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,SO ₂ ,NO _x ,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,C O, NMHC	50,0,0,0,0	PM	FIL,DUS,PRT
10	Any Other....	process stack -1 Water Based block	3	PM,SO2,NOx,C O, NMHC	0,0,0,0,0	VOC, Hydrocarbons	PRT,SCR
11	Any Other....	process stack-4 Resin Block	3	PM,SO2,NOx,C O, NMHC	0,0,0,0,0	VOC, Hydrocarbons	PRT,SCR
12	Any Other....	process stack -2 Solvent based paint block	3	PM,SO2,NOx,C O, 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,C O, NMHC	0,0,0,0,0	DIE	PRT
14	Boiler	Boiler - 0.5 TPH-	30	PM,SO2,NOx,C O, NMHC	0,0,0,0,0	DIE	PRT
15	D.G. Sets	2000 KVA DG Set	30	PM,SO2,NOx,C O, NMHC	710,100,75,150,0	DIE	AEC,PRT
16	Boiler	Boiler - 2 TPH-	30	PM,SO2,NOx,C O, NMHC	0,0,0,0,0	DIE	PRT

Note:

PRT : Port Hole

PRT : Port Hole

AEC : Accoustic Enclosures

FIL,DUS, : Bag Filter
PRT

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 SI.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 th 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 portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch contrc 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 eas

For and on behalf of the
Karnataka State Pollution Control Board

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(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

No. 94, 2nd Floor Thirumala Complex, Nagarabhavi Main Road, NGEF Layout,
Nagarabhavi, Bengaluru - 560 072. Tel : 080 23186230.

Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division

Plot No 147A, 147B & 147C Corner
Badanaguppe Kellamballi Industrial Area
Chamarajanagar Karnataka - 571313,

Report No.	: RE/2024/00174
Report date	: 26/03/2024
Ref.	: Test Request Form
Ref. Date	: 21/03/2024
Job Order No	: RE/2024/00174
Date	: 22/03/2024
Date of Analysis	: 22/03/2024 to 26/03/2024

Sample Particulars: Ambient Air Monitoring on 21/03/2024 to 22/03/2024 for 24hrs.

Sampling Location: OTF (Back Side) Area.

Discipline: Chemical

Group: Atmospheric Pollution

Sl.No.	Test Parameters	Results	Limits (As Per NAAQS)	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	69.5	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	27.8	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	24.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.6	80	IS-5182 (P-02)
5	Nickel as Ni, ng/m ³	<10.0	20	NAAQM
6	Lead as Pb, µg/m ³	<0.1	1.0	IS-5182 (P-22)
7	Arsenic as As, ng/m ³	<2.0	6.0	E/WP/41
8	Carbon monoxide as CO, mg/m ³	<1.0	4.0	IS-5182 (P-10)
9	Ozone as O ₃ , µg/m ³	6.1	180	IS-5182 (P-09)
10	Ammonia as NH ₃ , µg/m ³	6.3	400	IS-5182 (P-25)
11	Benzene, µg/m ³	<2.5	5.0	IS-5182 (P-11)
12	Benzo(a) pyrene, ng/m ³	<1.0	1.0	IS-5182 (P-12)

INFERENCE: The measured values for the above parameters are within the standards.

-----END OF THE REPORT-----

[Signature]
Verified by

[Signature]
Authorized by
Rajesh S

Note: 1.The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.



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(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

No. 94, 2nd Floor Thirumala Complex, Nagarabhavi Main Road, NGEF Layout,
Nagarabhavi, Bengaluru - 560 072. Tel : 080 23186230.

Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division Plot No 147A, 147B & 147C Corner Badanaguppe Kellamballi Industrial Area Chamarajanagar Karnataka - 571313,	Report No.	: RE/2024/00175
	Report date	: 26/03/2024
	Ref.	: Test Request Form
	Ref. Date	: 21/03/2024
	Job Order No	: RE/2024/00175
	Date	: 22/03/2024
	Date of Analysis	: 22/03/2024 to 26/03/2024

Sample Particulars: Ambient Air Monitoring on 21/03/2024 to 22/03/2024 for 24hrs.

Sampling Location: WBG (Back Side) Area.

Discipline: Chemical		Group: Atmospheric Pollution		
Sl.No.	Test Parameters	Results	Limits (As Per NAAQS)	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	73.1	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	29.4	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	25.2	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.9	80	IS-5182 (P-02)
5	Nickel as Ni, ng/m ³	<10.0	20	NAAQM
6	Lead as Pb, µg/m ³	<0.1	1.0	IS-5182 (P-22)
7	Arsenic as As, ng/m ³	<2.0	6.0	E/WP/41
8	Carbon monoxide as CO, mg/m ³	<1.0	4.0	IS-5182 (P-10)
9	Ozone as O ₃ , µg/m ³	6.8	180	IS-5182 (P-09)
10	Ammonia as NH ₃ , µg/m ³	4.4	400	IS-5182 (P-25)
11	Benzene, µg/m ³	<2.5	5.0	IS-5182 (P-11)
12	Benzo(a) pyrene, ng/m ³	<1.0	1.0	IS-5182 (P-12)

INFERENCE: The measured values for the above parameters are within the standards.

-----END OF THE REPORT-----

M. V. Reddy
Verified by

Rajesh S
Authorized by
Rajesh S

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Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division Plot No 147A, 147B & 147C Corner Badanaguppe Kellamballi Industrial Area Chamarajanagar Karnataka - 571313,	Report No. : RE/2024/00176
	Report date : 26/03/2024
	Ref. : Test Request Form
	Ref. Date : 21/03/2024
	Job Order No : RE/2024/00176
	Date : 22/03/2024
	Date of Analysis : 22/03/2024 to 26/03/2024
Sample Particulars: Ambient Air Monitoring on 21/03/2024 to 22/03/2024 for 24hrs. Sampling Location: RM Truck Parking Area.	

Discipline: Chemical		Group: Atmospheric Pollution		
Sl. No.	Test Parameters	Results	Limits (As Per NAAQS)	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	74.5	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	30.2	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	25.7	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.2	80	IS-5182 (P-02)
5	Nickel as Ni, ng/m ³	<10.0	20	NAAQM
6	Lead as Pb, µg/m ³	<0.1	1.0	IS-5182 (P-22)
7	Arsenic as As, ng/m ³	<2.0	6.0	E/WP/41
8	Carbon monoxide as CO, mg/m ³	<1.0	4.0	IS-5182 (P-10)
9	Ozone as O ₃ , µg/m ³	7.1	180	IS-5182 (P-09)
10	Ammonia as NH ₃ , µg/m ³	4.8	400	IS-5182 (P-25)
11	Benzene, µg/m ³	<2.5	5.0	IS-5182 (P-11)
12	Benzo(a) pyrene, ng/m ³	<1.0	1.0	IS-5182 (P-12)

INFERENCE: The measured values for the above parameters are within the standards.

-----END OF THE REPORT-----

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Verified by

Rajesh S
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Rajesh S

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TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division

Plot No 147A, 147B & 147C Corner
Badanaguppe Kellamballi Industrial Area
Chamarajanagar Karnataka - 571313,

Report No.	: RE/2024/00177
Report date	: 26/03/2024
Ref.	: Test Request Form
Ref. Date	: 21/03/2024
Job Order No	: RE/2024/00177
Date	: 22/03/2024
Date of Analysis	: 22/03/2024 to 26/03/2024

Sample Particulars: Ambient Air Monitoring on 21/03/2024 to 22/03/2024 for 24hrs.

Sampling Location: ETF (Middle of the Site).

Discipline: Chemical

Group: Atmospheric Pollution

Sl. No.	Test Parameters	Results	Limits (As Per NAAQS)	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	70.6	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	29.3	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	22.8	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.5	80	IS-5182 (P-02)
5	Nickel as Ni, ng/m ³	<10.0	20	NAAQM
6	Lead as Pb, µg/m ³	<0.1	1.0	IS-5182 (P-22)
7	Arsenic as As, ng/m ³	<2.0	6.0	E/WP/41
8	Carbon monoxide as CO, mg/m ³	<1.0	4.0	IS-5182 (P-10)
9	Ozone as O ₃ , µg/m ³	6.7	180	IS-5182 (P-09)
10	Ammonia as NH ₃ , µg/m ³	4.5	400	IS-5182 (P-25)
11	Benzene, µg/m ³	<2.5	5.0	IS-5182 (P-11)
12	Benzo(a) pyrene, ng/m ³	<1.0	1.0	IS-5182 (P-12)

INFERENCE: The measured values for the above parameters are within the standards.

-----END OF THE REPORT-----

[Signature]
Verified by

[Signature]
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Rajesh S

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TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division Plot No 147A, 147B & 147C Corner Badanaguppe Kellamballi Industrial Area Chamarajanagar Karnataka - 571313,	Report No.	: RE/2024/00178
	Report date	: 26/03/2024
	Ref.	: Test Request Form
	Ref. Date	: 21/03/2024
	Job Order No	: RE/2024/00178
	Date	: 22/03/2024
	Date of Analysis	: 21/03/2024
Sample Particulars: Noise Monitoring on 21/03/2024 to 22/03/2024 for 24 hrs.		

Discipline: Chemical		Group: Atmospheric Pollution		
J.O.No.	Location	Time frequency	L _{eq} dB(A)	Limits
RE/2024/00178	East Side Boundary Area	06:00 am to 10:00 pm	66.4	Day time 75 dB(A) & Night time 70 dB(A)
		10:00 pm to 06:00 am	57.9	

Note: Noise Level Stipulated by CPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

INFERENCE: The measured values for the above tested parameters are within the Industrial Area Standards as per CPCB.

-----END OF THE REPORT-----

M. R. K.
Verified by

Rajesh S
Authorized by
Rajesh S

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TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division Plot No 147A, 147B & 147C Corner Badanaguppe Kellamballi Industrial Area Chamarajanagar Karnataka - 571313,	Report No.	: RE/2024/00181
	Report date	: 26/03/2024
	Ref.	: Test Request Form
	Ref. Date	: 21/03/2024
	Job Order No	: RE/2024/00181
	Date	: 22/03/2024
	Date of Analysis	: 21/03/2024
Sample Particulars: Noise Monitoring on 21/03/2024 to 22/03/2024 for 24 hrs.		

Discipline: Chemical			Group: Atmospheric Pollution	
J.O.No.	Location	Time frequency	LeqdB(A)	Limits
RE/2024/00181	South Side Boundary Area	06:00 am to 10:00 pm	65.7	Day time 75 dB(A) & Night time 70 dB(A)
		10:00 pm to 06:00 am	57.4	

Note: Noise Level Stipulated by CPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

INFERENCE: The measured values for the above tested parameters are within the Industrial Area Standards as per CPCB.

-----END OF THE REPORT-----

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Rajasha S

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TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division Plot No 147A, 147B & 147C Corner Badanaguppe Kellamballi Industrial Area Chamarajanagar Karnataka - 571313,	Report No. : RE/2024/00180
	Report date : 26/03/2024
	Ref. : Test Request Form
	Ref. Date : 21/03/2024
	Job Order No : RE/2024/00180
	Date : 22/03/2024
	Date of Analysis : 21/03/2024
Sample Particulars: Noise Monitoring on 21/03/2024 to 22/03/2024 for 24 hrs.	

Discipline: Chemical			Group: Atmospheric Pollution	
J.O.No.	Location	Time frequency	L _{eq} dB(A)	Limits
RE/2024/00180	North Side Boundary Area	06:00 am to 10:00 pm	67.4	Day time 75 dB(A) & Night time 70 dB(A)
		10:00 pm to 06:00 am	52.6	

Note: Noise Level Stipulated by CPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

INFERENCE: The measured values for the above tested parameters are within the Industrial Area Standards as per CPCB.

-----END OF THE REPORT-----

M. N. [Signature]
Verified by

[Signature]
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Rajesh S

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TEST REPORT



TC-6165

M/s.Grasim Industries Limited Birla Paints Division Plot No 147A, 147B & 147C Corner Badanaguppe Kellamballi Industrial Area Chamarajanagar Karnataka - 571313,	Report No.	: RE/2024/00179
	Report date	: 26/03/2024
	Ref.	: Test Request Form
	Ref. Date	: 21/03/2024
	Job Order No	: RE/2024/00179
	Date	: 22/03/2024
	Date of Analysis	: 21/03/2024
Sample Particulars: Noise Monitoring on 21/03/2024 to 22/03/2024 for 24 hrs.		

Discipline: Chemical		Group: Atmospheric Pollution		
J.O.No.	Location	Time frequency	L _{eq} dB(A)	Limits
RE/2024/00179	West Side Boundary Area	06:00 am to 10:00 pm	67.2	Day time 75 dB(A) & Night time 70 dB(A)
		10:00 pm to 06:00 am	51.8	

Note: Noise Level Stipulated by CPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

INFERENCE: The measured values for the above tested parameters are within the Industrial Area Standards as per CPCB.

-----END OF THE REPORT-----



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

Environmental Management Plan			
#	Description	List of equipment's/ Activity	Status Update as on March 2024
1	Air Pollution control	<ol style="list-style-type: none"> No of Scrubber- 04 No of Dust Bag Filter- 86+15 DG Stacks- 04 Boiler stack- 05 Thermic Fluid- 04 	<ol style="list-style-type: none"> Scrubber installed Dust collector installed DG stacks are part of DG sets installed Boiler installed Thermic Fluid boiler installation installed
2	Water pollution control	<ol style="list-style-type: none"> STP- 30 KLD ETP- 100 KLD RO- 100 KLD MEE- 15 KLD 	<ol style="list-style-type: none"> STP commissioning - WIP ETP commissioning - WIP RO Plant commissioning - WIP MEE commissioning - WIP
3	Solid & Hazardous waste management inclusive of solvent recovery plant	<ol style="list-style-type: none"> Solvent Recovery Plant (SRP) Hazardous Waste Infrastructure 	<ol style="list-style-type: none"> SRP Installation-WIP Hazardous waste infrastructure work in Completed
4	Noise Pollution Control	<ol style="list-style-type: none"> Provision of acoustic barriers to DG sets, Pumps, Motors, etc., Provision of Ear plugs/ Ear muffs 	<ol style="list-style-type: none"> Acoustic insulation for DG sets provided During construction phase Ear plug provided for DG operation
5	Environment monitoring and management	<ol style="list-style-type: none"> Treated water quality ETP/STP Emission for stacks monitoring Ambient Air quality Ambient Noise Statutory fees 	<ol style="list-style-type: none"> Treated water quality ETP/STP-Monitoring Will start once the plant operation starts Emission for stacks monitoring -started Ambient Air quality - Monthly monitoring started Ambient Noise - Quarterly Monitoring started Statutory fees- Nil
6	Green belt development	<ol style="list-style-type: none"> Developing green belt inside the premises 33% Developing green belt at near by village 	<ol style="list-style-type: none"> Internal green belt -WIP External green belt-Completed
7	Storm water drainage	<ol style="list-style-type: none"> Construction of Storm water management system 	Drain & Storm water tank civil work in progress
8	Rainwater harvesting ponds	<ol style="list-style-type: none"> Construction for Rain water harvesting system inside the plant Towards Rain water harvesting schemes-Pond Rejuvenation at near by villages 	<ol style="list-style-type: none"> Rain water stoarge tank civil work in progress Pond rejuvenation work completed at doddamma thayi temple, Kasturu village
9	Energy Efficient Lighting Fixtures & EV Charging	<ol style="list-style-type: none"> Installation of energy efficient lights Installation of EV charging Station in Parking Lot 	Ensured
10	Risk & Hazard/ Occupational Health & Safety	<ol style="list-style-type: none"> Installation of OHC & procurement of ambulance VOC Online monitoring Safety equipment (safety induction kiosk etc) 	<ol style="list-style-type: none"> OHC set up- VOC online monitoring Installation WIP Safety kiosk received & installed
11	Fire & Safety	<ol style="list-style-type: none"> Installation of fire-fighting system In house Fire Tender 	<ol style="list-style-type: none"> Fire Hydrant installation 90% Completed Ordered & expected to reach site by 31.05.2024
12	Fauna Conservation	<ol style="list-style-type: none"> Two Bolero vehicle to forest Department 	Two Bolero Vehicle to forest department Given