



Ref: GIL/Mahad/2023/11

Date – 30.05.2023

To,  
Sub Regional Officer,  
Maharashtra Pollution Control Board,  
Samaik Suvidha Kendra Building,  
MIDC - Mahad, District Raigad - 402 309

**Subject: Submission of Six-Monthly Compliance Status of conditions of Environmental Clearance**

Ref: EC granted by SEIAA vide No: EC22B023MH151788, File No.: EC22B023MH151788,  
Dated: 24<sup>th</sup> August 2022

Dear Sir,


We, M/s. Grasim Industries Limited, are setting up an Integrated Paint Manufacturing Unit at Plot No. A-1, MIDC Mahad, Village Kamble Tarfe Birwadi, Taluka Mahad & District Raigad, Maharashtra.

Kindly refer to the above subject matter, we are submitting herewith the six-monthly compliance status of the conditions of Environmental Clearance (EC) dated 24<sup>th</sup> August 2022.

Please find the enclosed report for your perusal. Hope you will find this in order. We request you to kindly accept the same.

Thanking You,

For M/S Grasim Industries Limited,

  
Mahendra Singh Shekhawat  
Unit Head  
(Authorized Signatory)



  
Sub Regional Officer  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402309

Copy To:

- 1) Regional Office MoEF & CC, Nagpur
- 2) Regional Officer, Maharashtra Pollution Control Board, Navi Mumbai
- 3) State Level Environment Impact Assessment Authority, Mumbai

Grasim Industries Limited  
(Birla Paints Division)

Site Address : Plot No. 48 to 62, HSIIDC, Industrial Area, Refinery Road, Panipat - 132 103, Haryana

Head Office : 9th Floor, Birla Centurion, Pandurang Budhkar Marg, Worli, Mumbai - 400 030 India

T : +91 22 6854 0444 / 5036 5111 | W : www.adityabirla.com | CIN : L17124MP1947PLC000410



## ENVIRONMENTAL CLEARANCE SIX-MONTHLY COMPLIANCE REPORT

<b>EC Identification No.</b>	<b>EC22B023MH151788</b>
<b>File No.</b>	<b>SIA/MH/IND3/68936/2021</b>
<b>Date of Issue EC</b>	<b>24.08.2022</b>
<b>Project Scheduled Activity &amp; Category</b>	<b>Scheduled Activity 5 (h) Integrated Paint Industry, Category "B1"</b>
<b>Name of the Project &amp; Address</b>	<b>Greenfield Integrated Paint Manufacturing Unit at Plot No A-1, MIDC-Mahad Industrial Area, Village Kamble Tarfe Birwadi, Taluka Mahad, District Raigad, Maharashtra</b>
<b>Name of the Organization</b>	<b>Grasim Industries Ltd</b>

*[Handwritten Signature]*



Sl.#	Description of EC Conditions	Compliance Status	Annexure
A	<b>SEAC Conditions</b>		
1	PP to submit layout plan showing internal roads with minimum six-meter width and nine meter turning radius entry/gates (preferably sliding gates), provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment's, parking areas, 33% green belt with its dimensions preferably on the periphery of the plot with the provision of drip irrigation, rain water harvesting structures (locations with dimensions), storms water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.	Plant layout with all the requisite details has been submitted.	Nil
2	PP to provide Zero Liquid Discharge Effluent Treatment Plant. PP to explore possibility to assess Techno - economic feasibility of using technology for MEE such as low temperature/mechanical vapor compressor etc. to reduce operation cost and use natural resources.	Zero liquid discharge Effluent treatment plant capacity of 150 KLD followed by RO & MEE unit will be provided. This unit will adhere the norms regulated by MPCB/CPCB.	Nil
3	PP to provide 30 KLD capacity sewage treatment plant for the treatment of domestic sewage.	Domestic wastewater/ sewage effluent will be treated in 30 KLD STP plant and considering sewage effluent discharge norms regulated by the MPCB/CPCB	Nil
4	PP to ensure to deploy well trained regular employees on all critical/hazardous operations and storage of hazardous chemicals instead of contract workers. Regular safety training to be provided to all such employees.	Team members having requisite qualification for handling of all critical/hazardous operations and storage of hazardous chemicals is deployed at site.	Nil
5	PP to prepare chemical compatibility chart of all chemicals and finished products handled, stored on site and ensure its storage/handling as per compatibility.	This is Noted for Compliance	Nil
6	PP to provide continuous online monitoring system connected to the servers of CPCB and MPCB	This is Noted for Compliance	Nil
7	PP proposes to plant 27000 trees within the plot area on mandatory 33% (1,34,439 Sq..) green belt area. PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity.	This is Noted for Compliance	Nil
8	PP ensure to provide adequate space for parking of all types of vehicles including external vehicles carrying raw material and finished products. No vehicles shall be parked on the public road.	Dedicating parking area for carrying raw material and finished products is provided on site.	Annexure 1
9	PP to provide adequate facilities to the construction workers on site like safe and clean drinking water, Mobile toilets. PP to provide organic waste convertor for management of organic waste on site during construction phase.	Drinking water and mobile toilet facilities are provided to construction workers on site. Organic Waste Convertor has been provided	Annexure 2
10	PP to ensure to prepare and implement on-site and off-site emergency handling plan. The plan shall to prepared based on the HAZOP and Risk Assessment. Required training to all employees to be provided on the emergency handling plans.	Emergency response plan has been prepared and implemented on site. Provided trainings to the employees/contractors on the emergency handling plans.	Nil



11	PP to complete rainwater harvesting facility before the commissioning of the manufacturing activity.	This is Noted for Compliance	Nil
12	PP to provide sliding gate at entry and exit to achieve maximum Turing radius of vehicle entering the site.	This is Noted for Compliance	Nil
13	PP to utilize CER funds of 6.7 Cr. For the development of public infrastructure, water bodies rejuvenation, nature-based solutions near the project area in consultation with District Administration.	Process for utilization of CER fund has been initiated. Approval from the District Collector is awaited.	Nil
14	PP to provide solar energy for the illumination of common areas like administrative building, parking areas, streetlight etc.	Provision of solar system has been initiated.	Nil

**B**

**SEIAA conditions**

1	PP submitted MIDC plan dated 6.06.2022. As per the said plan total plot area is 4,07,384.00 M2 and green belt area provided is 1,34,439.00 m2 i.e. 33% of total plot area.	Complied	Nil
2	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no. SaVaVi-2019/C.R.3/F-11, dated 25th June 2019. The said plantation to be completed in the first year of operation of environmental Clearance under expert guidance of Miyawaki experts/arborist	This is Noted for Compliance	Nil
3	PP to strictly observe the solid waste management Rules, 2016 as amended time to time	This is Noted for Compliance	Nil
4	PP to strictly observe the Hazardous and other wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time	This is Noted for Compliance	Nil
5	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and control pollution) Act, 1981 amended time to time	This is Noted for Compliance	Nil
6	PP to ensure storage of chemicals as per the Manufacture, storage, and Import of Hazardous Chemicals Rules, 1989 amended time to time	This is Noted for Compliance	Nil
7	PP ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive safety organization(PESO)	This is Noted for Compliance	Nil
8	PP obtain approval and License from the Directorate of Industrial Health and safety (DISH) for proposed project and implement all condition stipulated therein. PP to carry out safety Audit as stipulated in the Maharashtra Factories Rule, 1963 and ensure compliance of recommendation of the audit.	This is Noted for Compliance	Nil



9	PP to provide solar energy for illumination of Administrative Building, streetlights and parking area.	Provision of solar system has been initiated.	Nil
10	PP to Ensure use of briquette/bio coal/pellets/or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, not less than 50% of the total fuel requirement to the boiler.	Application for EC Corrigendum has been made: File No: <b>SIA/MH/IND3/68936/2021</b> Proposal No: <b>SIA/MH/IND3/291527/2022</b>	Nil
11	PP to provide roof top Rainwater harvesting facility	Roof top Rainwater harvesting facility is considered and implementation is under process at site	Nil
12	PP to ensure that proposed project is ZLD	This is Noted for Compliance	Nil
<b>C</b>	<b>GENERAL CONDITIONS</b>		
1	The project proponent shall advertise at least in two local newspapers widely circulated in region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <a href="http://parivesh.nic.in">http://parivesh.nic.in</a>	Advertising in two local newspapers has been done. Also, Copy of the EC has been submitted to local authorities including gram panchayat office & district administration office	Enclosed as Annexure – 3 (Marathi and English)
2	The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. On their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Control Board, SEIAA and the regional Office of MoEF & CC at Nagpur, on 1st June & 1st Dec of each calendar year.	Environmental Clearance conditions along with status of compliance has been uploaded on website	Enclosed as Annexure- 4
3	Separate funds shall be allocated for implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to MPCB and the SEIAA.	This is Noted for Compliance	Nil
4	A separate Environmental Management cell with qualified personnel shall be set up for implementation of stipulated environmental safeguards.	Complied.	Nil
5	In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.	This is Noted for Compliance	Nil
6	PP to strictly follow conditions stipulated in the consent to Establish/Operate issued by the Maharashtra Pollution Control Board.	Consent to Establish has been received and conditions are being complied.	Annexure – 5
7	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.	This is Noted for Compliance	Nil



8	Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	This is Noted for Compliance	Nil
9	The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like earmuff and ear plug etc.	Noise level monitoring survey has been conducted at pre-defined locations at interval.	Annexure - 6
10	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.	This is Noted for Compliance	Nil
11	PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.	This is Noted for Compliance	Nil
12	The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the project Proponent to the concerned Pollution Control Board as prescribed under the Environmental (Protection) Rule 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental clearance letter.	This is Noted for Compliance	Nil

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## ANNEXURES

Sl. No.	Annexure No.	Annexure Description
1	Annexure 1	Dedicated Parking provision on site
2	Annexure 2	Provision of Mobile Toilet, Drinking Water Facility & Organic Waste Converter
3	Annexure 3	Advertisement of EC in Local Newspaper (English and Marathi)
4	Annexure 4	EC Letter & Conditions status uploaded on website
5	Annexure 5	Copy of Consent to Establish
6	Annexure 6	Environment Monitoring Reports



Annexure 1



**Dedicated Parking Provision**

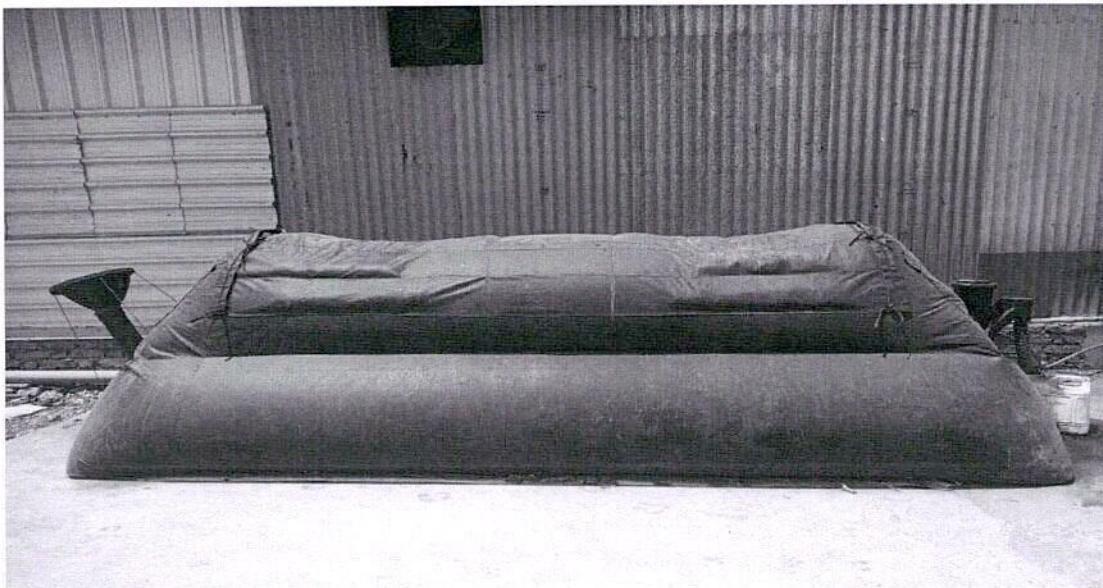




**Annexure-2**

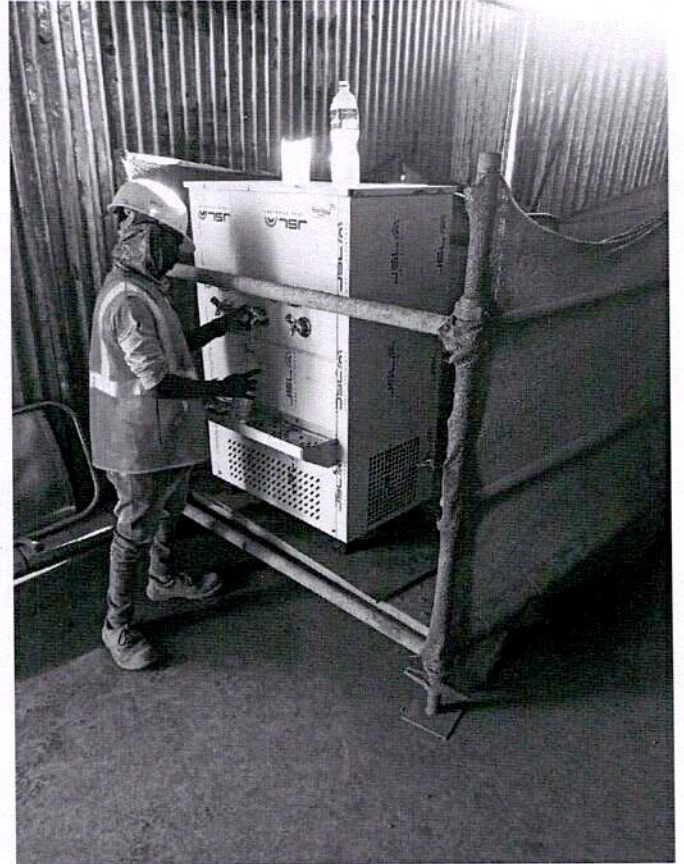


**Mobile Toilet Facility Provided at Site**



**Organic Waste Converter**





**Drinking Water Facility Provided at Site**



## Annexure 3

### ग्रासिम इंडस्ट्रीज लिमिटेड

इंटीग्रेटेड पेंट उत्पादन युनिट, भूखंड क्र. A1, महाड एमआयडीसी औद्योगिक क्षेत्र, गाव- कांबळे तर्फे बिरवाडी, तालुका  
महाड, जिल्हा रायगड, महाराष्ट्र-402309

**SEIAA, महाराष्ट्र द्वारे, भूखंड क्र. A1, महाड एमआयडीसी औद्योगिक क्षेत्र, गाव-  
कांबळे तर्फे बिरवाडी, तालुका- महाड, जिल्हा रायगड मध्ये इंटीग्रेटेड पेंट उत्पादन  
युनिटसाठी पर्यावरणविषयक मंजूरीची सूचना:**

याद्वारे सर्व संबंधितांना आणि जनतेला सूचना देण्यात येत आहे की, भूखंड क्र. A-1,  
महाड एमआयडीसी औद्योगिक क्षेत्र, गाव- कांबळे, तर्फे बिरवाडी तालुका-महाड,  
जिल्हा- रायगड राज्य महाराष्ट्र, येथे 24 ऑगस्ट 2022 च्या मंजूरी क्रमांक  
EC22B023MH151788 च्या पत्रान्वये नवीन उत्पादन कारखाना स्थापनेसाठी  
राज्यस्तरीय पर्यावरण आघात मूल्यमापन प्राधिकरण (SEIAA) महाराष्ट्राकडून  
पर्यावरणविषयक मंजूरी देण्यात आली आहे. सदर मंजूरी पत्र सस्थेच्या कॉर्पोरेट  
कार्यालयात आणि राज्यस्तरीय पर्यावरण आघात मूल्यमापन प्राधिकरण (SEIAA),  
महाराष्ट्राच्या कार्यालयात उपलब्ध आहे आणि MoEF&CC च्या  
<http://environmentclearance.nic.in> या संकेतस्थळावर देखील पाहिले जाऊ शकते.

### GRASIM INDUSTRIES LIMITED

Integrated Paint Manufacturing unit at Plot no. A-1, Mahad MIDC industrial area, Village- Kamble tarfe Birwadi,  
Taluka-Mahad, District- Raigad, Maharashtra- 402 309

Notice of Environmental Clearance by SEIAA, Maharashtra for Integrated Paint  
Manufacturing Unit at Plot no. A-1, Mahad MIDC Industrial area Village- Kamble  
tarfe Birwadi, Taluka- Mahad, District Raigad.

Notice is hereby given, to all concerned & public at large, that the Integrated Paint  
Manufacturing Unit at Plot no. A-1, Mahad MIDC Industrial Area, Village- Kamble  
tarfe Birwadi Taluka-Mahad, District- Raigad State Maharashtra been accorded  
Environmental clearance from State Level Environmental Impact Assessment  
Authority (SEIAA) Maharashtra vide its letter of clearance no. EC22B023MH151788  
dated 24th August 2022. The copy of the said clearance letter is available at the  
corporate office of the organization and at the office of State Level Environment  
Impact Assessment Authority (SEIAA), Maharashtra and may also be seen at the  
website of MoEF&CC i.e. <http://environmentclearance.nic.in>.

## Advertisement in Local Newspapers



## ग्रासिम इंडस्ट्रीज लिमिटेड

इंटीग्रेटेड पेंट उत्पादन युनिट, भूखंड क्र. A1, महाड एमआयडीसी औद्योगिक क्षेत्र, गाव- कांबळे तर्फे बिरवाडी, तालुका महाड, जिल्हा रायगड, महाराष्ट्र-४०२३०९

SEIAA, महाराष्ट्र द्वारे, भूखंड क्र. A1, महाड एमआयडीसी औद्योगिक क्षेत्र, गाव- कांबळे तर्फे बिरवाडी, तालुका- महाड, जिल्हा रायगडमध्ये इंटीग्रेटेड पेंट उत्पादन युनिटसाठी पर्यावरणविषयक मंजूरीची सूचना:

याद्वारे सर्व संबंधितांना आणि जनतेला सूचना देण्यात येत आहे की, भूखंड क्र. A1, महाड एमआयडीसी औद्योगिक क्षेत्र, गाव- कांबळे, तर्फे बिरवाडी तालुका-महाड, जिल्हा- रायगड राज्य महाराष्ट्र, येथे २४ ऑगस्ट २०२२ च्या मंजूरी क्रमांक EC२२B०२३MH१५१७८८ च्या पत्रान्वये नवीन उत्पादन कारखाना स्थापनेसाठी राज्यस्तरीय पर्यावरण आघात मूल्यमापन प्राधिकरण (SEIAA) महाराष्ट्राकडून पर्यावरणविषयक मंजूरी देण्यात आली आहे. सदर मंजूरी पत्र संस्थेच्या कॉर्पोरेट कार्यालयात आणि राज्यस्तरीय पर्यावरण आघात मूल्यमापन प्राधिकरण (SEIAA), महाराष्ट्राच्या कार्यालयात उपलब्ध आहे आणि MoEF&CC च्या <http://environmentclearance.nic.in> या संकेतस्थळावर देखील पाहिले जाऊ शकते

### GRASIM INDUSTRIES LIMITED

Integrated Paint Manufacturing unit at Plot no. A-1, Mahad MIDC industrial area, Village- Kamble tarfe Birwadi, Taluka-Mahad, District- Raigad, Maharashtra- 402 309

**Notice of Environmental Clearance by SEIAA, Maharashtra for Integrated Paint Manufacturing Unit at Plot no. A-1, Mahad MIDC Industrial area Village- Kamble tarfe Birwadi, Taluka- Mahad, District Raigad.**

Notice is hereby given, to all concerned & public at large, that the Integrated Paint Manufacturing Unit at Plot no. A-1, Mahad MIDC Industrial Area, Village- Kamble tarfe Birwadi Taluka-Mahad, District- Raigad State Maharashtra been accorded Environmental clearance from State Level Environmental Impact Assessment Authority (SEIAA) Maharashtra vide its letter of clearance no. EC22B023MH151788 dated 24th August 2022. The copy of the said clearance letter is available at the corporate office of the organization and at the office of State Level Environment Impact Assessment Authority (SEIAA), Maharashtra and may also be seen at the website of MoEF&CC i.e. <http://environmentclearance.nic.in>.

**Advertisement in Local Newspapers**

## Annexure 4




 Flyash utilization Report 2023-24  
(pdf, 47.00KB)



### Grasim Industries Limited – Birla Paints


 Environment Clearance - Mahad  
(pdf, 5.00MB)




 Submission of Environmental Clearance  
Apr 2022  
(pdf, 4.00MB)



### Grasim Industries Limited, Cellulosic Division, Vilayat

 GCD Six Yearly EC Compliance report -  
October 2022-March 2023  
(pdf, 3.00MB)



 Fly Ash Generation and Utilization  
Report FY-2024 (Apr-23 to Mar-24)  
(pdf, 113.00KB)



### EC Letter & Compliance Conditions uploaded on website



# Annexure 5

## MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R21)  
No:- Format1.0/CAC/UAN  
No.0000133765/CE/2206001311

Date: 23/06/2022

To,  
M/s Grasim Industries Limited  
Plot No. A-1, MIDC Mahad, Village Kamble Tarfe  
Birwadi,  
Taluka Mahad & District Raigad



Your Service is Our Duty

**Sub: Grant of Consent to Establish under Red/ISI**

**Ref:** Minutes of Consent Appraisal Committee meeting held on 24/5/2022

Your application No.MPCB-CONSENT-0000133765 Dated 08.03.2022

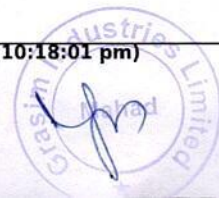
For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.
2. The capital investment of the project is Rs.1340 Crs. (As per C.A Certificate submitted by industry )
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products			
1	Water based Paint	400000	KL/A
2	Solvent based Paint	100000	KL/A
3	Emulsion	150000	KL/A
4	Resin	70000	KL/A

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	120	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	23	As per Schedule-I	On land for gardening

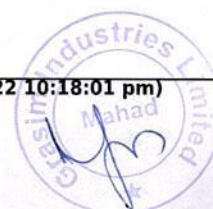


5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
1	S-1	DG Set-1	1	As per Schedule -II
2	S-2	DG Set-2	1	As per Schedule -II
3	S-3	DG Set-3	1	As per Schedule -II
4	S-4	DG Set-4	1	As per Schedule -II
5	S-5	DG Set-5	1	As per Schedule -II
6	S-6	DG Set-6	1	As per Schedule -II
7	S-7	Boiler-1	1	As per Schedule -II
8	S-8	Boiler-2	1	As per Schedule -II
9	S-9	Boiler-3	1	As per Schedule -II
10	S-10	Boiler-4- standby	1	As per Schedule -II
11	S-11	Boiler -5 (MEE)	1	As per Schedule -II
12	S-12	Thermic Fluid Heater-1	1	As per Schedule -II
13	S-13	Thermic Fluid Heater-2	1	As per Schedule -II
14	S-14	Thermic Fluid Heater-3	1	As per Schedule -II
15	S-15	Thermic Fluid Heater-4	1	As per Schedule -II
16	S-16 to S-17	Process Stack -Water Base Block-2 nos of stack	2	As per Schedule -II
17	S-18 to S-19	Process Stack -Solvent paint block- 2 nos of Stack	2	As per Schedule -II
18	S-20 to S-21	Process Stack -Emulsion Block- 2 nos of block	2	As per Schedule -II
19	S-22 to S-23	Process Stack -Resin Block- 2 nos of stack	2	As per Schedule -II
20	S-24 to S-26	3 Nos. of Dust Collectors of Type-1	3	As per Schedule -II
21	S-27 to S-38	12 Nos. Dust Collector of Type-2	12	As per Schedule -II

6. **Non-Hazardous Wastes:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	Paper Waste	3100	MT/A	Sale	Sale to authorized party
2	Plastic Waste	1150	MT/A	Sale	Sale to authorized party
3	Metal Waste	500	MT/A	Sale	Sale to authorized party
4	Powder Waste	530	MT/A	Sale	Sale to authorized party
5	Wooden Waste	2900	MT/A	Sale	Sale to authorized party



Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
6	Miscellaneous (cartons/sample Tins/Cans)	500	MT/A	Sale	Sale to authorized party
7	Organic	98.55	MT/A	Composting	Used as manure
8	Plastic RM containers	89000	Nos./Y	Sale	Sale to authorized party
9	Metal RM containers	21000	Nos./Y	Sale	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	3.3 Sludge and filters contaminated with oil	15	MT/A	Incineration	CHWTSDF
2	21.1 Process wastes, residues and sludges	120	MT/A	Incineration	CHWTSDF
3	35.1 Exhaust Air or Gas cleaning residue	10	MT/A	Landfill	CHWTSDF
4	35.2 Spent ion exchange resin containing toxic metals	20	MT/A	Incineration	CHWTSDF
5	35.3 Chemical sludge from waste water treatment	200	MT/A	Landfill	CHWTSDF
6	35.4 Oil and grease skimming	20	MT/A	Incineration	CHWTSDF
7	36.2 Spent carbon or filter medium	10	MT/A	Incineration	CHWTSDF
8	34.1 Chemical-containing residue arising from decontamination.	25	MT/A	Incineration	CHWTSDF
9	15.2 Discarded asbestos	2	MT/A	Landfill	CHWTSDF
10	20.3 Distillation residues	95	MT/A	Incineration	CHWTSDF
11	5.1 Used or spent oil	50	MT/A	Recycle	CHWTSDF
12	20.1 Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse.	170	MT/A	Recycle*	Sale to authorised party
13	23.1 Wastes or residues (not made with vegetable or animal materials)	90	MT/A	Incineration	CHWTSDF
14	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	120	MT/A	Recycle*	Sale to authorised party
15	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	80000	Nos./Y	Recycle*	Sale to authorised party

\* Sale to Authorized Party having permission under Rule 9 of H&OW Rule





8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Battery Waste	500.00	Nos./Y	Sale to Authorized Party

**Specific Conditions for used Batteries:**

- i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
  - ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
  - iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.
9. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
  10. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
  11. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated- 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated- 19/08/2010, fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s) & acquisition of land not be treated as an effective step.
  12. The applicant shall install comprehensive treatment system for treatment of trade effluent & treated effluent will be 100% recycled in the process to achieve ZLD
  13. The applicant shall provide Sewage Treatment Plant of adequate capacity & treated sewage shall be used on land for gardening purpose within premises
  14. The applicant shall dispose the Hazardous Waste as per the provision of H&OW Rule by adopting online manifest system
  15. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
  16. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity.
  17. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 24/5/2022



*Ashok Shingare*

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Signed by: Ashok Shingare  
Member Secretary  
For and on behalf of,  
Maharashtra Pollution Control Board  
ms@mpcb.gov.in  
2022-06-23 22:18:26 IST



**Received Consent fee of -**

<b>Sr.No</b>	<b>Amount(Rs.)</b>	<b>Transaction/DR.No.</b>	<b>Date</b>	<b>Transaction Type</b>
1	2680000.00	TXN2203001401	11/03/2022	Online Payment

**Copy to:**

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Mahad  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



### SCHEDULE-I

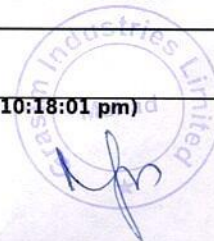
#### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have proposed to segregate trade effluent into weak stream & strong stream and provide Effluent Treatment Plant (ETP) comprising of:
  - i) **Strong COD/TDS stream of 6 CMD** - Treatment system comprising of Primary (Advanced Oxidation, Primary after stmt).
  - ii) **Weak COD/TDS stream of 114 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter, Ultra Filtration), Advance treatment (Reverse osmosis, Multi Effective Evaporator ( stage), ATFD) .
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 30 CMD for the treatment of 23 CMD of sewage.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	144.00



Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
2.	Domestic purpose	24.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	688.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	300

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.
7. Guidelines for Storm-Water:
- Storm water for a plant, a unit (having plot size at least 250 square meters) shall not be allowed to mix with scrubber water, effluent and/or floor washings.
  - Storm water within the battery limits of a unit shall be channelized through separate drain or pipe passing through a High Density Poly ethylene (HDPE) lines pit having holding capacity of 10 minutes (hourly average) of rainfall.

#### SCHEDULE-II

##### **Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	DG Set-1	Acoustic Enclosure	30.00	HSD/NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-2	DG Set-2	Acoustic Enclosure	30.00	HSD/NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-3	DG Set-3	Acoustic Enclosure	30.00	HSD/NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-4	DG Set-4	Acoustic Enclosure	30.00	HSD/NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-5	DG Set-5	Acoustic Enclosure	30.00	HSD/NG 34.2 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	16.42 Kg/Day



Stack No.	Source	APC System provided/prop osed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-6	DG Set-6	Acoustic Enclosure	30.00	HSD/NG 34.2 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	16.42 Kg/Day
S-7	Boiler-1	Stack	30.00	HSD/ NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-8	Boiler-2	Stack	30.00	HSD/ NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-9	Boiler-3	Stack	30.00	HSD/ NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-10	Boiler-4- standby	Stack	30.00	HSD/ NG 68.3 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	32.78 Kg/Day
S-11	Boiler -5 (MEE)	Stack	30.00	HSD/ NG 17.1 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	8.21 Kg/Day
S-12	Thermic Fluid Heater-1	Stack	30.00	HSD/ NG 61.5 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	29.52 Kg/Day
S-13	Thermic Fluid Heater-2	Stack	30.00	HSD/ NG 61.5 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	29.52 Kg/Day
S-14	Thermic Fluid Heater-3	Stack	30.00	HSD/ NG 61.5 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	29.52 Kg/Day
15	Thermic Fluid Heater-4	Stack	30.00	HSD/ NG 61.5 Kg/Hr	-	TPM	150 Mg/Nm <sup>3</sup>
						SO2	29.52 Kg/Day



Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-16 to S-17	Process Stack - Water Base Block	Scrubber	30.00	-	-	NH3	50 Mg/Nm <sup>3</sup>
S-18 to S-19	Process Stack - Solvent paint block	Two stage Activated Carbon Bed Scrubber	30.00	-	-	VOC's	20 Mg/Nm <sup>3</sup>
S-20 to S-21	Process Stack - Emulsion Block	Two stage Activated Carbon Bed Scrubber	30.00	-	-	NH3	50 Mg/Nm <sup>3</sup>
						MMA	20 Mg/Nm <sup>3</sup>
						Styrene	100 Mg/Nm <sup>3</sup>
						Xylene	100 Mg/Nm <sup>3</sup>
						BA	100 Mg/Nm <sup>3</sup>
S-22 to S-23	Process Stack - Resin Block	Wet Scrubber cum Two stage Activated Carbon Bed Scrubber	30.00	-	-	Xylene	100 Mg/Nm <sup>3</sup>
S-24 to S-26	Dust Collectors of Type-1	Fabric Bag Filter	30.00	-	-	TPM	150 Mg/Nm <sup>3</sup>
S-27 to S-28	Dust Collector of Type-2	Fabric Bag Filter	30.00	-	-	TPM	150 Mg/Nm <sup>3</sup>

- i. All the dust generating equipments or process shall be provided with dust extraction arrangement.
  - ii. The bag houses, etc. shall be connected to chimneys or stacks of atleast twelve meters height or at least two meters above the top most point of the building, shed or the plant in the industry, which so ever is higher.
  - iii. The unit shall channelize shop floor or fugitive emission through a stack of twelve meters height or at least two meters above the top most point of the building or shed or plant in the industry, which so ever is higher.
2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
  3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.



4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Guidelines for Solvent Losses:
  - i The total losses of solvent should not be more than 5% of the solvent consumed, if solvent consumption less than 1000 tons/Annum; and
  - ii The solvent loss should not be more than 3% of the solvent consumed, if solvent consumption greater than 1000/tons/Annum.

**SCHEDULE-III**  
**Details of Bank Guarantees:**

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	25 Lakh	15 Days	Towards compliance of Consent Conditions	31/5/2022	30/11/2022

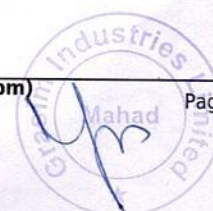
**BG Forfeiture History**

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

**BG Return details**

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

\* Note: BG of amount 25 Lakh is extended upto 22-06-2027, acknowledgement copy is attached.



**SCHEDULE-IV**  
**General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.





12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.



26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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This certificate is digitally & electronically signed.

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# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## Bank Guarantee

<b>BG UAN NUMBER:</b>	MPCB-BG-0000017523	<b>Industry Name:</b>	Grasim Industries Ltd.	<b>Industry Address:</b>	Grasim Industries Ltd (Paints Division), Aditya Birla Centre, 'A' wing, 2nd Floor, S.K. Ahire Marg, Worli, Mumbai, Mumbai City				
<b>RO Region:</b>	RO-Raigad	<b>SRO Region:</b>	SRO-Mahad	<b>BG Obtained for:</b>	CONSENT	<b>BG for:</b>	Establish		
<b>Consent No:</b>	0000133765/CE/2206001311	<b>Consent Date:</b>	23-06-2022	<b>Consent Validity Date:</b>	22-06-2027	<b>BG No:</b>	13940100017173	<b>Amount:</b>	2500000
<b>Conditions:</b>	As per consent condition	<b>Compliance period:</b>	30-11-2022	<b>BG submission Date:</b>	06-07-2022	<b>BG expiry Date:</b>	30-11-2022		

**Note:** You have been directed to submit original bank guarantee along with this acknowledge letter to concerned regional office.



# Annexure 6 : Environment Monitoring Reports

# Excellent Enviro Laboratory & Research Center Pvt. Ltd.

CIN : U73100MH2020PTC347047

(Formerly known as Excellent Enviro Laboratory & Research Center)

REGISTERED OFFICE : D-52/18, MIDC Waluj, Aurangabad - 431 136. ☎0240-6641879 ☎ 9970429991 / 7745069991

Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

Format No. EELRC/LAB/F/066-7.8

## AMBIENT AIR MONITORING REPORT

<b>Client's Name &amp; Address</b>	<b>Report ID.</b>	<b>EEL/ABD/A-223/04/2023-24</b>
M/sGrasim Industries Limited Birla Paints Division Plot No A-1,Village Kamble, Turf Birwadi,Mahad Industrial Area, MIDC.TalukaMahad, Raigad	<b>Date of Reporting</b>	<b>02/05/2023</b>

### SAMPLING DETAILS

01) Discipline	Chemical	
02) Group	Atmospheric Pollution	
03) Location of Sampling	Near Steel Yard	
04) Sampling Procedure	IS 5182 (Part 5)	
05) Sample Volume	SO <sub>2</sub> :30 ml ×1 no. (Plastic Bottle), NO <sub>2</sub> :30 ml×1 no. (Plastic Bottle) PM <sub>10</sub> : Filter Paper: 1×1no. PM <sub>2.5</sub> : Filter Paper: 1×1no.	
06) Sample Status (Sealed/Unsealed )	Sealed	
07) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.	
08) Date of Sampling	21/04/2023 to 22/04/2023	
09) Time of Sampling & Sampling Duration	14:40 PM of 21/04/2023 to 14:40 PM of 22/04/2023 (24hrs)	
10) Date of Sample Received in Lab	24/04/2023	
11) Analysis Start Date	24/04/2023	
12) Ambient Temperature	36 <sup>o</sup> C	
13) Dry Bulb Temperature	36 <sup>o</sup> C	
14) Wet Bulb Temperature	34 <sup>o</sup> C	
15) Relative Humidity	68%	
16) Instrument Details	Make/ Model No.	AshaEnviro /AEE/APM500
	Serial No.	EELRC/EQ/AFD/62
	Calibration Date	Calibration on:24/04/2023, Due On:23/04/2024

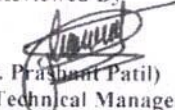
### RESULT

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	48.24	≤ 100	IS 5182 (Part 23)
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	35.20	≤ 60	IS 5182 (Part 24)
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	40.55	≤ 80	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	44.05	≤ 80	IS 5182(Part 6)
5	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	34.8	≤ 400	Method 401 Air sampling and Analysis 3 <sup>rd</sup> Edition
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.007	≤ 04	GC FID Methanizer Method
7	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	20.8	≤ 180	Method 411 Air sampling and Analysis 3 <sup>rd</sup> Edition
8	Lead (Pb)	µg/m <sup>3</sup>	< 0.01	≤ 1.0	APHA 3120 B
9	Arsenic (As)	ng/ m <sup>3</sup>	< 0.01	≤ 06	APHA 3120 B
10	Nickel (Ni)	ng/ m <sup>3</sup>	< 0.01	≤ 20	APHA 3120 B
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.01	≤ 05	IS 5182 Part 11:2006
12	Benzo (a) Pyrene	ng/ m <sup>3</sup>	< 0.001	≤ 01	IS 5182 Part 12:2004

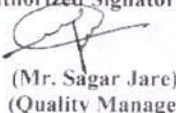
UOM -Unit of Measurement.

Remark: - All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009.

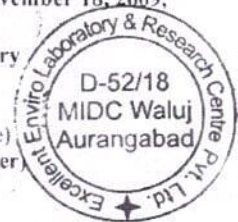
Reviewed By

  
(Mr. Prashant Patil)  
(Asst. Technical Manager)

Authorized Signatory

  
(Mr. Sagar Jare)  
(Quality Manager)

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



Note: "The results pertain to tested portion of sample"

Page 1 of 1

AN "ENVIRONMENTAL LABORATORY" Recognised by MOEF & CC / CPCB, New Delhi,  
Notification F.No.LB/99/7/2021-INST LAB-HO-CPCB-HO/ Pvt-208/ 9254 Dated 1-12-2021 (Valid Upto 2-09-2023)

MUMBAI OFFICE : Dhawalgiri Co-op, Hsg. Society, Building No.1. Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 ☎ 08652671991  
Email : mumbaisales@excellentenviro.com

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Certifications : ♦ ISO 9001: 2015 ♦ ISO 14001 : 2015 ♦ ISO 45001: 2018

Website : www.eelab.in



# Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)

REGISTERED OFFICE : D-52/18, MIDC Waluj, Aurangabad - 431 136. ☎0240-6641879 ✉ 9970429991/ 7745069991

Email : celab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

Format No. EELRC/LAB/F/066-7.8

## AMBIENT AIR MONITORING REPORT

Client's Name & Address	Report ID.	EEL/ABD/A-222/04/2023-24
M/sGrasim Industries Limited Birla Paints Division Plot No A-1,Village Kamble, Turf Birwadi,Mahad Industrial Area, MIDC,TalukaMahad, Raigad	Date of Reporting	02/05/2023

### SAMPLING DETAILS

01) Discipline	Chemical	
02) Group	Atmospheric Pollution	
03) Location of Sampling	Near ETF	
04) Sampling Procedure	IS 5182 (Part 5)	
05) Sample Volume	SO <sub>2</sub> :30 ml ×1 no. (Plastic Bottle), NO <sub>2</sub> :30 ml×1 no. (Plastic Bottle) PM <sub>10</sub> : Filter Paper: 1×Ino., PM <sub>2.5</sub> : Filter Paper: 1×Ino.	
06) Sample Status (Sealed/Unsealed )	Sealed	
07) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.	
08) Date of Sampling	21/04/2023 to 22/04/2023	
09) Time of Sampling & Sampling Duration	14:30 PM of 21/04/2023 to 14:30PM of 22/04/2023 (24hrs)	
10) Date of Sample Received in Lab	24/04/2023	
11) Analysis Start Date	24/04/2023	
12) Ambient Temperature	36 <sup>0</sup> C	
13) Dry Bulb Temperature	36 <sup>0</sup> C	
14) Wet Bulb Temperature	34 <sup>0</sup> C	
15) Relative Humidity	68%	
16) Instrument Details	Make/ Model No.	AshaEnviro /AEE/APM500
	Serial No.	EELRC/EQ/AFD/61
	Calibration Date	Calibration on:24/04/2023, Due On:23/04/2024

### RESULT

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	54.12	≤ 100	IS 5182 (Part 23)
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	34.16	≤ 60	IS 5182 (Part 24)
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	58.04	≤ 80	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	64.34	≤ 80	IS 5182(Part 6)
5	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	45.8	≤ 400	Method 401 Air sampling and Analysis 3 <sup>rd</sup> Edition
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.002	≤ 04	GC FID Methanizer Method
7	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	22.8	≤ 180	Method 411 Air sampling and Analysis 3 <sup>rd</sup> Edition
8	Lead (Pb)	µg/m <sup>3</sup>	< 0.01	≤ 1.0	APHA 3120 B
9	Arsenic (As)	ng/ m <sup>3</sup>	< 0.01	≤ 06	APHA 3120 B
10	Nickel (Ni)	ng/ m <sup>3</sup>	< 0.01	≤ 20	APHA 3120 B
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.01	≤ 05	IS 5182 Part 11:2006
12	Benzo (a) Pyrene	ng/ m <sup>3</sup>	< 0.001	≤ 01	IS 5182 Part 12:2004

UOM -Unit of Measurement,

Remark: - All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009,

Reviewed By

(Mr. Prashant Patil)  
(Asst. Technical Manager)

Authorized Signatory

(Mr. Sagar Jare)  
(Quality Manager)

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

Note:-"The results pertain to tested portion of sample"

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Notification F.No.LB/99/7/2021-INST LAB-HO-CPCB-HO/ Pvt-208/ 9254 Dated 1-12-2021 (Valid Upto 2-09-2023)

MUMBAI OFFICE : Dhawalgiri Co-op. Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 ✉ 08652671991  
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Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

Format No. EELRC/LAB/F/066-7.8

## AMBIENT AIR MONITORING REPORT

Client's Name & Address	Report ID.	EEL/ABD/A-01/05/2023-24
M/sGrasim Industries Limited Birla Paints Division Plot No A-1,Village Kamble, Turf Birwadi,Mahad Industrial Area, MIDC,TalukaMahad, Raigad	Date of Reporting	05/05/2023

### SAMPLING DETAILS

01) Discipline	Chemical	
02) Group	Atmospheric Pollution	
03) Location of Sampling	Near Batching plant.	
04) Sampling Procedure	IS 5182 (Part 5)	
05) Sample Volume	SO <sub>2</sub> :30 ml ×1 no. (Plastic Bottle), NO <sub>2</sub> :30 ml×1 no. (Plastic Bottle) PM <sub>10</sub> : Filter Paper: 1×1no., PM <sub>2.5</sub> : Filter Paper: 1×1no.	
06) Sample Status (Sealed/Unsealed )	Sealed	
07) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.	
08) Date of Sampling	28/04/2023 to 29/04/2023	
09) Time of Sampling & Sampling Duration	13:05 PM of 28/04/2023 to 13:05PM of 29/04/2023 (24hrs)	
10) Date of Sample Received in Lab	02/05/2023	
11) Analysis Start Date	02/05/2023	
12) Ambient Temperature	36°C	
13) Dry Bulb Temperature	36°C	
14) Wet Bulb Temperature	34°C	
15) Relative Humidity	72%	
16) Instrument Details	Make/ Model No.	AshaEnviro /AEE/APM500
	Serial No.	EELRC/EQ/AFD/61
	Calibration Date	Calibration on:24/04/2023, Due On:23/04/2024

### RESULT

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	46.11	≤ 100	IS 5182 (Part 23)
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	28.14	≤ 60	IS 5182 (Part 24)
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	45.21	≤ 80	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	60.17	≤ 80	IS 5182(Part 6)
5	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	35.2	≤ 400	Method 401 Air sampling and Analysis 3 <sup>rd</sup> Edition
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.001	≤ 04	GC FID Methanizer Method
7	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	18.8	≤ 180	Method 411 Air sampling and Analysis 3 <sup>rd</sup> Edition
8	Lead (Pb)	µg/m <sup>3</sup>	< 0.01	≤ 1.0	APHA 3120 B
9	Arsenic (As)	ng/ m <sup>3</sup>	< 0.01	≤ 06	APHA 3120 B
10	Nickel (Ni)	ng/ m <sup>3</sup>	< 0.01	≤ 20	APHA 3120 B
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.01	≤ 05	IS 5182 Part 11:2006
12	Benzo (a) Pyrene	ng/ m <sup>3</sup>	< 0.001	≤ 01	IS 5182 Part 12:2004

UOM -Unit of Measurement,

Remark: - All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009

Reviewed By

(Mr. Prashant Patil)  
(Asst. Technical Manager)

Authorized Signatory

(Mr. Sagar Jare)  
(Quality Manager)

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

Note:-"The results pertain to tested portion of sample"

Page 1 of 1

AN "ENVIRONMENTAL LABORATORY" Recognised by MOEF & CC / CPCB, New Delhi,

Notification F.No.LB/99/7/2021-INST LAB-HO-CPCB-HO/ Pvt-208/ 9254 Dated 1-12-2021 (Valid Upto 2-09-2023)

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REGISTERED OFFICE : D-52/18, MIDC Waluj, Aurangabad - 431 136. ☎0240-6641879 ☎ 9970429991 / 7745069991

Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

Format No. EELRC/LAB/1/066-7.8

## AMBIENT AIR MONITORING REPORT

Client's Name & Address	Report ID.	EEL/ABD/A-02/05/2023-24
M/sGrasim Industries Limited Birla Paints Division Plot No A-1,Village Kamble, Turf Birwadi,Mahad Industrial Area, MIDC,TalukaMahad, Raigad	Date of Reporting	05/05/2023

### SAMPLING DETAILS

01) Discipline	Chemical	
02) Group	Atmospheric Pollution	
03) Location of Sampling	Near FG Parking Area	
04) Sampling Procedure	IS 5182 (Part 5)	
05) Sample Volume	SO <sub>2</sub> :30 ml ×1 no. (Plastic Bottle), NO <sub>2</sub> :30 ml×1 no. (Plastic Bottle) PM <sub>10</sub> : Filter Paper: 1×1no. PM <sub>2.5</sub> : Filter Paper: 1×1no.	
06) Sample Status (Sealed/Unsealed )	Sealed	
07) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.	
08) Date of Sampling	28/04/2023 to 29/04/2023	
09) Time of Sampling & Sampling Duration	13:15 PM of 28/04/2023 to 13:15 PM of 29/04/2023 (24hrs)	
10) Date of Sample Received in Lab	02/05/2023	
11) Analysis Start Date	02/05/2023	
12) Ambient Temperature	36 <sup>0</sup> C	
13) Dry Bulb Temperature	36 <sup>0</sup> C	
14) Wet Bulb Temperature	34 <sup>0</sup> C	
15) Relative Humidity	72%	
16) Instrument Details	Make/ Model No.	AshaEnviro /AEE/APM500
	Serial No.	EELRC/EQ/AFD/62
	Calibration Date	Calibration on:24/04/2023, Due On:23/04/2024

### RESULT

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	44.25	≤ 100	IS 5182 (Part 23)
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30.14	≤ 60	IS 5182 (Part 24)
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	36.20	≤ 80	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	40.14	≤ 80	IS 5182(Part 6)
5	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	32.0	≤ 400	Method 401 Air sampling and Analysis 3 <sup>rd</sup> Edition
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.005	≤ 04	GC FID Methanizer Method
7	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	17.2	≤ 180	Method 411 Air sampling and Analysis 3 <sup>rd</sup> Edition
8	Lead (Pb)	µg/m <sup>3</sup>	< 0.01	≤ 1.0	APHA 3120 B
9	Arsenic (As)	ng/ m <sup>3</sup>	< 0.01	≤ 06	APHA 3120 B
10	Nickel (Ni)	ng/ m <sup>3</sup>	< 0.01	≤ 20	APHA 3120 B
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.01	≤ 05	IS 5182 Part 11:2006
12	Benzo (a) Pyrene	ng/ m <sup>3</sup>	< 0.001	≤ 01	IS 5182 Part 12:2004

UOM -Unit of Measurement,

Remark: - All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009

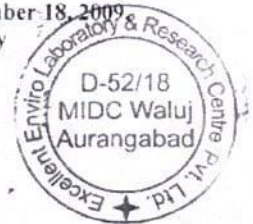
Reviewed By

(Mr. Prashant Patil)  
(Asst. Technical Manager)

Authorized Signatory

(Mr. Sagar Jare)  
(Quality Manager)

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



Note: "The results pertain to tested portion of sample"

Page 1 of 1

AN "ENVIRONMENTAL LABORATORY" Recognised by MOEF & CC / CPCB, New Delhi,  
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Email : eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

Format No. EELRC/LAB/F/074-7.8

## WORKPLACE NOISE MONITORING REPORT

<b>Client's Name &amp; Address</b>	<b>Report ID.</b>	<b>EEL/ABD/N-41to N-43/04/2023-24</b>
M/s Grasim Industries Limited Birla Paints Division Plot No A-1,Village Kamble, Turf Birwadi,Mahad Industrial Area, MIDC,Taluka Mahad, Raigad	<b>Date of Reporting</b>	<b>20/04/2023</b>

### SAMPLING DETAILS

<b>01) Location of Sampling</b>	As Listed Below in the Table.	
<b>02) Sampling Procedure</b>	IS 4758	
<b>03) Sample Collected By</b>	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.	
<b>04) Date of Sampling</b>	11/04/2023	
<b>05) Time of Sampling</b>	10:20 AM to 18:20 PM	
<b>06) Instrument Details</b>	<b>Make</b>	MECO
	<b>Serial No</b>	DB-01
	<b>Calibration Date</b>	Calibration On: 23/09/2022 Due On: 22/09/2023

### RESULTS

Sr.No.	Test Location	I.D. No.	UOM	Average Noise Level Readings		Limit as per Maharashtra Factories Rules, 1963.
				Day	Night	
1	Parking Area	N-41	dB(A)	67.9	63.4	90 dB(A)
2	Batching Plant	N-42	dB(A)	64.5	59.3	
3	ETF Area	N-43	dB(A)	67.4	64.9	

UOM – Unit of Measurement

Remark: Noise level is within normal limits as per Maharashtra Factories Rules, 1963.

Reviewed By

(Mr. Prashant Patil)  
(Asst. Technical Manager)

Authorized Signatory

(Ms. Dharmashila Narwade)  
(Dy. Technical Manager)

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

Page 1 of 1

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