

Letter Number: Grasim/LDH/EHS/2024/54

Date: 29/05/2025

To,
Integrated Regional Office (IRO),
Ministry of Environment, Forest and Climate Change
Regional Office (NZ), Bays No.
24-25 Sector 31 A, Dakshin Marg,
Chandigarh - 160030

Subject: Submission of Six-monthly compliance status of Environmental Clearance for the period of October 24 to March 2025.

Reference: EC granted by SEIAA vide no EC22B023PB139111, File No.: SEIAA/PB/IND/2021/EC/22,
Dated: 19th January 2022

Dear Sir,

We M/s Grasim Industries Limited, are hereby submitting the six-monthly EC compliance report from the period of October 2024 to March 2025 on the online Parivesh Portal.

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

Thanking You,

For M/S Grasim Industries Limited

(Unit Head)
(Authorized Signatory)



Copy to:

- Punjab Pollution Control Board, Regional Office-1, Phase V, Focal Point Ludhiana, 141010, Punjab
- State Environment Impact Assessment Authority (SEIAA), MGSIPA Complex, Sector 26, Chandigarh - 160019

Grasim Industries Limited (Birla Paints Division)
Site Address: Plot No.B-1, D-02 (P), Hi Tech Valley, Dhanansu, Ludhiana – 141112, India
Head Office: 9th Floor, Birla Centurion, Pandurang Budhkar Marg, Worli, Mumbai-400 030 India
| T: +91 22 6854 0444
Registered Office: PO Birlagram, Nagda, Dist Ujjain, Madhya Pradesh – 456 331, India
T: +91 (07366) 246760 - 66 | W: www.grasim.com | CIN: L17124MP1947PLC000410

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	EC22B023PB139111
Compliance ID	127370304
Compliance Number(For Tracking)	EC/M/COMPLIANCE/127370304/2025
Reporting Year	2024
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	31-05-2025
RO/SRO Name	Satya Prakash Negi
RO/SRO Email	jhk119@ifs.nic.in
State	PUNJAB
RO/SRO Office Address	Integrated Regional Offices, Chandigarh
Note:- SMS and E-Mail has been sent to Satya Prakash Negi, PUNJAB with Notification to Project Proponent.	

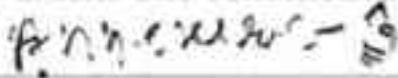
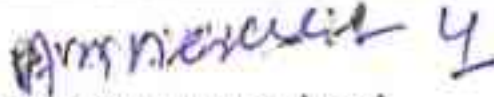
Half Yearly Compliance Report 2024 01 Jun(01 Oct - 31 Mar) Acknowledgement			
Proposal Name		Integrated Paint Manufacturing Unit in Plot No. B-1, D-02 (P), Hi-Tech Valley, Village Dhanansu, Dist. Ludhiana, State Punjab	
Name of Entity / Corporate Office		M/S. GRASIM INDUSTRIES LIMITED	
Village(s)		N/A	
District		LUDHIANA	
Proposal No.	EC22B023PB139111	Category	Industrial Projects - 3
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	PUNJAB	Entity's PAN	*****4464B
MoEF File No.	SEIAA/PB/IND/2021/EC/22	Entity name as per PAN	GRASIM INDUSTRIES LIMITED
Compliance Reporting Details			
Reporting Year	2024		
Remarks (if any)	Hereby submitting the half early EC compliance report against the EC no EC22B023PB139111 date 19 Jan 2022 against the reporting period 1st Oct 2024 to 31st March 2025.		
Reporting Period	01 Jun(01 Oct - 31 Mar)		
Details of Production and Project Area			
Name of Entity / Corporate Office	M/S. GRASIM INDUSTRIES LIMITED		
	Project Area as per EC Granted	Actual Project Area in Possession	
Private	0	0	
Revenue Land	0	0	
Forest	0	0	
Others	24.8382	24.8382	
Total	24.8382	24.8382	
Production Capacity			

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Water-based paints	Others:KLPA	31/03/2026	3,00,000	68864	2,50,000
2	Emulsion	Others:KLPA	31/03/2026	1,20,000	17475	1,00,000
3	Solvent Based Paints	Others:KLPA	31/03/2026	60,000	0	0
4	Resins	Others:KLPA	31/03/2026	40,000	0	0

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The Project Proponent shall make necessary arrangements for control of Air Pollution occurring due to the installation and operation of the Air Polluting machinery installed in the industrial premises.
PPs Submission: Complied The unit has installed scrubbers and dust collectors on the process vent in Emulsion Block and Water based paint production block. There is regular monitoring of parameters are being done. The process vent report enclosed.		Date: 29/05/2025 <i>Annexure -1</i>
2	Statutory compliance	The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet and outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.
PPs Submission: Complied The project proponent has installed continuous stack emission monitoring system at stack. There data is being online transmitted to PPCB server. The discharged emission is well with in below the emission standard prescribed by CPCB/SPCB. The condition is noted and compliance assured.		Date: 27/05/2025
3	Statutory compliance	The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet and outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF and CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring reports.
PPs Submission: Complied The unit has installed the online continues monitoring (cems) system on 3 nos of boiler stack and 1 nos on dust collector's stack. The data is being uploaded on pollution control board server. The external stack being conducted on periodically basis and stack report enclosed Complied		Date: 29/05/2025 <i>Annexure -2</i>
4	Statutory compliance	The project proponent shall obtain NOC from CGWA/PWRDA for abstraction of ground water of 1158 KLD to meet the Industrial, domestic and green belt water requirements of their Project.
PPs Submission: Complied The unit has valid NOC PWRDA/1/06/2023/L3/44 for ground water extraction valid up to 31 May 2026. The NOC certificate enclosed.		Date: 28/05/2025

5	Statutory compliance	The project proponent shall construct two no. of rainwater tanks of total capacity 9600 KL to store rainwater run off generated from the roof tops etc during monsoon season within its premises.
PPs Submission: Complied The site has constructed two no. of rainwater tanks of total capacity 9600 KL to store rainwater run off generated from the roof tops etc during monsoon season within its premises.		Date: 22/05/2025
6	Statutory compliance	The project proponent shall minimize the water consumption in the industrial plant complex by segregation of used water, practicing cascade use and by recycling treated water.
PPs Submission: Complied The unit has recycling facility of waste water. The recycled water is being used in utility operation in plant. . The unit has implemented the best practices of water reuse and recycling at site.		Date: 20/05/2025
7	Statutory compliance	The project proponent shall provide STP of 30 KLD for treatment of wastewater and reutilize the treated water for non- portable use so as to achieve zero liquid discharge condition as per Clause III (iv) of OM dated 09.08.2018 issued by the MoEF and CC for such units.
PPs Submission: Complied The unit has installed 30 KLD STP plant with MBR technology. The STP plant is under regular operation for treatment of wastewater generated at site. The conditioned is noted and compliance ensured. STP final water test report enclosed. 		Date: 20/05/2025
8	Statutory compliance	The project proponent shall reuse water of the cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
PPs Submission: Complied The cooling tower blow down water is treated through ZLD plant and recycled back in utility operation. The condition is noted and compliance ensured.		Date: 30/05/2025
9	Statutory compliance	The project proponent shall undertake pre-monsoon and post monsoon monitoring of the Ground water for heavy metals in addition to routine parameters. At least 3 samples i.e. one from within the premises and two from outside the premises of the industry shall be taken.
PPs Submission: Complied Noted and compliance assured. The borewell pre and post monsoon test report enclosed. 		Date: 27/05/2025
10	MISCELLANEOUS	The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved should be worked out by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required.
PPs Submission: Complied The condition is noted and compliance assured. The unit has own parking inside the plant for RM truck, FG truck, employees and contractual employee. We are ensuring there is no parking outside the plant premises.		Date: 28/05/2025
11	MISCELLANEOUS	The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of

		these materials and the area to be reserved for parking. The area to be reserved should be worked out by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
PPs Submission: Complied The condition is noted and compliance assured. There is adequate storage facility of raw material and hazardous waste storage in plant. The parking area are reserved for the raw material and finished good truck inside the plant. The area is marked in the layout and cemented road have been constructed in the plant.		Date: 28/05/2025
12	MISCELLANEOUS	All the vehicle movement areas as well as approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete to control the dust emissions expected from vehicle movements.
PPs Submission: Complied The unit has marked the road for vehicle movement inside the road. All the roads are cemented road. There is no dust emission generated from truck movement inside the plant. The condition is noted and compliance assured.		Date: 28/05/2025
13	MISCELLANEOUS	The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same within the Project premises.
PPs Submission: Complied The unit is ensuring that there is no roadside parking for vehicle for loading and unloading purpose. There are parking facility provided inside the plant.		Date: 28/05/2025
14	MISCELLANEOUS	The project proponent shall adopt green technologies to conserve water and energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance and disposal of discarded fire bricks if applicable.
PPs Submission: Complied Noted and compliance assured. There is no use of firebrick at unit		Date: 20/05/2025
15	MISCELLANEOUS	The project proponent shall use natural gas as substitute fuel wherever possible in the existing industry/ for the expansion project as soon as this becomes commercially available.
PPs Submission: Complied The unit is using natural gas (PNG) for the operation of boiler at site. Noted and compliance assured		Date: 20/05/2025
16	Corporate Environmental Responsibility	The project proponent shall submit detailed Corporate Environmental Responsibility (CER) plan of Rs. 9.1 crores including the timelines for its implementation within a period of 6 months after assessing the need-based requirement of the locals residing in the vicinity of the project to SEIAA Punjab for approval. Efforts should be made to prioritise activities which are directly beneficial for the Environment in preference to those which are of a social nature and can be undertaken under the CSR budget of the company. The approved CER Plan will be included in and form a part of the Environmental Management Plan (EMP) of the project✓
PPs Submission: Complied The site has approved plan from SEIAA committee. We have Set up nursery for sapling distribution,		Date:

distributing environment magazine in school, installing plastic bottle crusher machine in nearby communities, distributing jute bag in schools and locality, distributing metallic water bottle, upgrade PPCB van for sampling, installing solar panel in school and communities etc. Current status of CER plan enclosed.		28/05/2025
17	MISCELLANEOUS	This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (i) above.
PPs Submission: Complied The condition is noted.		Date: 20/05/2025
18	MISCELLANEOUS	The project proponent shall adopt adequate safety measures to ensure that the rain water of roof tops and roads is collected for treatment and reuse. Only rainwater falling directly on the green areas may be recharged in the recharging pits located in the green areas.
PPs Submission: Complied The site is collecting roof and storm water in water reservoirs of capacity of 9600 kl. The site has not constructed any recharge pit inside the site as per the compliance of ground water recharge in red category industry. The condition is noted and compliance assured.		Date: 27/05/2025
19	MISCELLANEOUS	The project proponent shall provide fish tanks at the outlets of the STP and ETP to ensure that the important parameter of Dissolved Oxygen (DO) remains within the permissible limits at all times.
PPs Submission: Complied The condition is noted for the compliance. The unit has constructed one tank for fish.		Date: 27/05/2025
20	WASTE MANAGEMENT	The Project Proponent will provide adequate number of vermicompost pits and mechanical composters to handle the biodegradable waste generated from the plant.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
21	MISCELLANEOUS	The SEIAA reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. SEIAA may revoke or suspend the environmental clearance if implementation of any of the above conditions is not found to be satisfactory.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 27/05/2025
22	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
PPs Submission: Complied The condition is noted.		Date: 27/05/2025
23	MISCELLANEOUS	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,

		2010.
PPs Submission: Complied The condition is noted.		Date: 27/05/2025
24	MISCELLANEOUS	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991 read with subsequent amendments therein.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 27/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic residues and evaporation salt shall be disposed off to the TSDF.
PPs Submission: Complied The condition noted and compliance assured.		Date: 22/05/2025
2	MISCELLANEOUS	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.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
3	WASTE MANAGEMENT	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided wherever required.
PPs Submission: Complied The condition is noted and compliance assured		Date: 22/05/2025
4	Statutory compliance	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 is involved in the project.
PPs Submission: Complied The condition is not applicable for the compliance to the unit.		Date: 20/05/2025
5	Statutory compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
PPs Submission: Complied The condition is not applicable for compliance		Date: 20/05/2025

6	Statutory compliance	The project proponent shall prepare a Site-Specific Conservation Plan and Wildlife Management Plan and obtain its approval from the Chief Wildlife Warden, Punjab. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
PPs Submission: Complied The condition is noted for compliance.		Date: 28/05/2025
7	Statutory compliance	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.
PPs Submission: Complied The site has obtained the CTE, CTO under provision of Air (Prevention and Control of Pollution) Act and CTO under the provision of water act 1984. The CTO copies enclosed.		Date: 29/05/2025
8	Statutory compliance	The project proponent shall obtain necessary permission from the Central Ground Water Authority/ Punjab Water Regulation and Development Authority (PWRDA), in case of withdrawal of groundwater and also in case of surface water required for the project. If the CGWA does not grant permission for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.
PPs Submission: Complied The site has obtained the ground water extraction permission from the Punjab Water Regulation and Development Authority. Enclosed the Ground Water NOC.		Date: 23/05/2025
9	Statutory compliance	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
PPs Submission: Complied The site has obtained the HWM Certificate under the Hazardous and Other Waste Management Rule 2016. Enclosed the CTO copies.		Date: 23/05/2025
10	Statutory compliance	The project proponent shall obtain authorization for its occupational Health Centre under the Bio-Medical Waste Management Rules, 2016 as amended from time to time.
PPs Submission: Complied The site has obtained the authorization under the Biomedical waste management rule 2016. Enclosed the certificate		Date: 23/05/2025
11	Statutory compliance	The company shall strictly comply with the rules and guidelines prescribed under Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules, 1989 as amended from time to time. All transportation of hazardous chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 29/05/2025

12	Statutory compliance	The project proponent shall comply with the relevant siting criteria, standard operating practices, code of practice and guidelines, if any, prescribed by the SPCB/CPCB/MoEF and CC for such category of units.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
13	Statutory compliance	The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
14	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment Protection) Rules 1986. The system will be connected online with the SPCB and CPCB online servers and will be periodically calibrated in accordance with the specifications and protocol of the equipment supplier through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Complied The unit has installed the online continues monitoring (cems) system on 3 no's of boiler stack and 1 no's on dust collector's stack. The data is being uploaded to Pollution control board website. The external stack being conducted on periodically basis and stack report enclosed.		Date: 20/05/2025
15	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
16	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for 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 degree each), covering upwind and downwind directions.
PPs Submission: Complied The unit has installed the online AAQM monitoring station at 4 locations at site. There is manual monitoring of all parameters of ambient air quality monitoring being done from external approved agency. The condition is noted and compliance assured.		Date: 29/05/2025
17	AIR QUALITY MONITORING AND PRESERVATION	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5 percentage 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.

PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
18	AIR QUALITY MONITORING AND PRESERVATION	Raw materials, coal etc shall either be stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
PPs Submission: Complied Noted and Compliance assured. The unit has own parking inside the plant for RM truck, FG truck, employees and contractual employee.		Date: 20/05/2025
19	AIR QUALITY MONITORING AND PRESERVATION	Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
PPs Submission: Complied The unit has provided the reverse jet filter cleaning system at powder storage Silo and charge hooper. We have provided 3 no's of dust collector at TSD at processing section. We are ensuring regular maintenance of APC, and no fugitive emission take place from process.		Date: 28/05/2025
20	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
21	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile and stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 20/05/2025
22	AIR QUALITY MONITORING AND PRESERVATION	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 complied with.
PPs Submission: Complied This is noted and compliance assured.		Date: 20/05/2025
23	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standard issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009 shall be complied with.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 29/05/2025
24	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied The DG stack height is adequate. We are conducting periodically external test monitoring from the approved Lab. The condition is noted and compliance assured.		Date: 28/05/2025

25	WATER QUALITY MONITORING AND PRESERVATION	The project proponent will provide for the online continuous monitoring of effluents. The unit shall install web camera with night vision capability and flow meters in the channels / drains carrying effluents within the premises (applicable in case of the projects achieving ZLD).
PPs Submission: Complied The site has installed the online monitoring system on final treated water. The flow meter and night vision cameras have been installed. The condition is noted for compliance at site.		Date: 28/05/2025
26	WATER QUALITY MONITORING AND PRESERVATION	As committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
PPs Submission: Complied The condition is noted and compliance assured		Date: 20/05/2025
27	WATER QUALITY MONITORING AND PRESERVATION	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever of the two is more stringent.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
28	WATER QUALITY MONITORING AND PRESERVATION	Total freshwater requirement shall not exceed the proposed quantity or as specified by the regulatory authority. Prior permission shall be obtained from the concerned regulatory
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
29	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
30	WATER QUALITY MONITORING AND PRESERVATION	The rainwater from the roof tops of the buildings and storm water drains will be harvested / collected and utilized for different industrial operations within the plant.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
31	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall regularly monitor the ground water quality at least twice a year (pre and post-monsoon season) through a sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
PPs Submission: Complied The ground water monitoring being done periodically. The compliance noted and assured. Report enclosed.		Date: 27/05/2025
32	WATER QUALITY	The Project Proponent shall install ETP with capacity of 150 KLD

	MONITORING AND PRESERVATION	with primary, two stage biological and tertiary treatments followed by advance tertiary treatment like RO and MEEATFD to treat the industrial effluents generated from its processes.
PPs Submission: Complied The unit has ZLD plant for the treatment of effluent and Recycling in the utility's services		Date: 22/05/2025
33	WATER QUALITY MONITORING AND PRESERVATION	Sewage Treatment Plant of capacity 30 KLD shall be installed for treatment of domestic wastewater to meet the prescribed standards. The treated wastewater will be reused for greenbelt development and STP sludge will be used as manure for greenbelt development.
PPs Submission: Complied The unit has STP plant of 30 KLD. The compliance assured.		Date: 22/05/2025
34	Noise Monitoring & Prevention	Acoustic enclosure shall be provided for DG sets for controlling the noise pollution.
PPs Submission: Complied Acoustic enclosure provided on DGs. The noise monitoring of DG being done periodically. Enclosed the test report of DG.		Date: 29/05/2025
35	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
PPs Submission: Complied The noise monitoring of ambient air being done on periodically. The condition noted and compliance assured		Date: 27/05/2025
36	Noise Monitoring & Prevention	Noise level survey shall be carried out as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Office of the MOEF and CC as a part of the six-monthly compliance reports.
PPs Submission: Complied The work zone and ambient air noise monitoring done periodically. Test report enclosed.		Date: 29/05/2025
37	Noise Monitoring & Prevention	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during nighttime.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
38	ENERGY PRESERVATION MEASURES	The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, streetlights, parking around project area and maintain the same regularly.
PPs Submission: Complied The unit has installed the solar power generation plant at site of capacity 1MWH. The condition is noted and compliance assured.		Date: 22/05/2025
39	ENERGY PRESERVATION MEASURES	The project proponent shall provide LED lights in their offices and residential areas.

PPs Submission: Complied The LED lights have been provided in the offices and streetlight inside the plant premises.		Date: 28/05/2025
40	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below: - a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the processing of raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system in batch reactors. e. Venting equipment to be equipped with vapor recovery system.
PPs Submission: Complied The condition is noted and compliance assured		Date: 22/05/2025
41	WASTE MANAGEMENT	Use of high-pressure hoses for cleaning of equipment to reduce wastewater generation.
PPs Submission: Complied All the process equipment i.e. Reactors, TSD, Mixer and packing machine being cleaned with the use of high-pressure jet gun (megna). The result in minimum water consumption during hygiene cleaning of processing equipment.		Date: 28/05/2025
42	WASTE MANAGEMENT	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016.
PPs Submission: Complied The hazardous waste is being disposed to disposal agency as per Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016. The condition is noted and compliance assured		Date: 22/05/2025
43	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.
PPs Submission: Complied The unit has installed bio composter for kitchen waste at site. The compliance is noted.		Date: 29/05/2025
44	GREENBELT	An area of 81971 Sqm (equal to 33 percentage of the project area) shall be developed as green Belt area. At least 75 percentage of this area (along the periphery and other open spaces) should be planted with indigenous, preferably broad leaved, tree species whereas balance greening can be done through a mix of ornamental trees, medicinal / ornamental plants, shrubs, grasses etc. The height of the saplings to be planted should not be less than 6 ft and each plant shall be properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the 12,300 saplings to be planted in the Green Belt for a period of three years after plantation. Species with heavy foliage, broad leaves and wide canopy cover should be preferred whereas plantation of water intensive and/or invasive species should be minimized.
PPs Submission: Complied The condition is noted and compliance assured. The unit has planted more than 12300 nos of trees and shrubs in green belt area of plant. The details of green belt status enclosed .		Date: 28/05/2025
45	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be prepared and implemented in case of any emergencies.

PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
46	PUBLIC HEARING	The unit shall make requisite arrangements for protection from possible fire hazards during all the manufacturing, transportation and storage processes with special emphasis on the vulnerable areas. The proposed Firefighting system shall be installed and tested fully prior to commencement of operations. As proposed, Fire Tender with Water, Foam and DCP will be procured and stationed at the Fire Station (With Two Turnout Crews).
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
47	PUBLIC HEARING	The project proponent shall provide Personal Protection Equipment (PPE) as per the norms provided under the Factory Act.
PPs Submission: Complied The condition is noted and compliance assured		Date: 22/05/2025
48	PUBLIC HEARING	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations of all employees shall be undertaken on regular basis.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
49	PUBLIC HEARING	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 construction phase of the project
PPs Submission: Complied The compliance was adhered during the construction activities of site. The project has completed, and unit is in regular operation.		Date: 22/05/2025
50	PUBLIC HEARING	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. Dedicated Occupational Health Care Centre equipped with Ambulance shall be provided within the project premises
PPs Submission: Complied The unit has inhouse OHC. The OHC equipped with doctor, nursing staff and advance ambulance facility available at site.		Date: 28/05/2025
51	PUBLIC HEARING	Adequate space should be provided inside the plant premises dedicated for parking of vehicles for raw materials and finished products. No parking should be allowed outside on public places.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
52	MISCELLANEOUS	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy

		should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF and CC/SEIAA as a part of the six-monthly compliance report.
PPs Submission: Complied The condition is noted and compliance assured. Environment Policy enclosed.		Date: 31/05/2025
53	MISCELLANEOUS	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of a Senior Executive, who will directly report to the head of the organization.
PPs Submission: Complied The condition has dedicated environment cell at site. The condition noted and compliance assured.		Date: 27/05/2025
54	MISCELLANEOUS	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 will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs. 56.9 Cr. towards capital cost and Rs 2.76 Cr. towards recurring cost (including CER activities) for the implementation of EMP proposed by them as listed in table. Year-wise progress of implementation of action plan along with the Six-Monthly Compliance Report shall be submitted to the Regional Office of the MOEF and CC and SEIAA. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
PPs Submission: Complied Noted for compliance and details submitted during EC granting process.		Date: 22/05/2025
55	MISCELLANEOUS	This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
56	MISCELLANEOUS	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 in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days. The EC granted to the Project shall also be displayed in the project proponent's website permanently.
PPs Submission: Complied The news was published in newspaper including local language. The condition is noted and compliance assured.		Date: 29/05/2025
57	MISCELLANEOUS	Copies of this environmental clearance shall be submitted by the

		project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to display the same publicly for 30 days from the date of receipt.
PPs Submission: Complied The condition is noted and compliance assured. The news was published in newspaper.		Date: 22/05/2025
58	MISCELLANEOUS	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 prominent location for disclosure to the public and also upload the same on the website of the company.
PPs Submission: Complied The condition is noted and compliance assured. Stack report enclosed.		Date: 31/05/2025
59	MISCELLANEOUS	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 (Parivesh Portal).
PPs Submission: Complied The condition is noted and compliance assured. The EC condition is being updated on portal periodically with in time		Date: 31/05/2025
60	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and also upload the same on the website of the company.
PPs Submission: Complied The condition is noted and compliance assured. The Form V for 23-24 enclosed.		Date: 31/05/2025
61	MISCELLANEOUS	The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
62	MISCELLANEOUS	The project authorities must strictly adhere to the relevant stipulations made by the State Pollution Control Board and the State Government.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
63	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also those made during their presentation to the SEAC and SEIAA.
PPs Submission: Complied The condition is noted and compliance assured		Date:

		22/05/2025
64	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
65	MISCELLANEOUS	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.
PPs Submission: Complied The condition is noted and compliance assured		Date: 22/05/2025
66	MISCELLANEOUS	The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
67	MISCELLANEOUS	The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary and the Project Proponent will be bound to implement the same in a timebound manner.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
68	MISCELLANEOUS	The Regional Office of the MOEF and CC and the Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. Members of SEIAA / SEAC may also undertake visits to ascertain compliance of EC conditions. The project authorities should extend full cooperation to the officer (s) / Members of the Regional Office of the MOEF and CC, PPCB and Members of SEIAA / SEAC deputed for this purpose and ensure submission of the requisite data / information/monitoring reports to the designated authorities.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025
69	MISCELLANEOUS	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and 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.
PPs Submission: Complied The condition is noted and compliance assured.		Date: 22/05/2025

Visit Remarks	
Last Site Visit Report Date:	N/A
Additional Remarks:	Hereby submitting the half early EC compliance report against the EC no EC22B023PB139111 date 19 Jan 2022 against the reporting period 1st Oct to 31st March 2025.
Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.	

Annexure

Annexure Number	Annexure Description
Annexure – 1	Process Stack, Boiler Stack & DG stack emission report
Annexure – 2	Online CEMS report data
Annexure - 3	Ground water extraction NOC
Annexure – 4	Sample Report of Ground Water Analysis
Annexure_5a,5b & 5c	Details of EMP, Approved CER Plan & CER update
Annexure 6	Copy of Consent to Establish, CTE extension certificate, Consent to Operate Air & Water
Annexure – 7	Copy of Application for BMW Authorization
Annexure – 8	Copy of Consent to Operate Hazardous Waste
Annexure-10	Ambient air monitoring station
Annexure – 11	Sample Report of AAQ65
Annexure -12	Treated water report
Annexure – 13	DG insertion loss report
Annexure-14a,14b,14c	Noise monitoring report at site
Annexure -15	Green belt status
Annexure – 16a,16b & 16c	Copy of receiving of Sch 7,8 and ERP
Annexure 17	Environment Policy_ Birla Opus Paint
Annexure_18 a & 18 b	Copy of advertisement in English & Punjabi Newspaper
Annexure -19	EHS cell organogram
Annexure -20	Receiving of last uploaded report on Parivesh portal
Annexure-21	Form V (Financial year 2023-24)
Annexure_22	Agreement with coprocessing facility



TEST REPORT



ULR No : NA		Test Report No : NPEL100125NA059/A	
Type of Sample : Process Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	10/01/2025 - 10/01/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	10/01/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	10/01/2025 - 20/01/2025
Source of Emission	Scrubber Stack (WPB)	Date of reporting	20/01/2025
Stack Description	Single, Circular & FRP	Fuel Used	NA
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	Scrubber
Standard/Specifications	Emission- Process: EPA 1986		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Process Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Total Volatile Organic Compound	ppm	6.847	—	EL-QTM-04

Remarks : NA

End of Report

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

- The results relate only to the items tested.
- Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
- The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
- Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
- The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
- All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
- In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Umesh Kumar
Authorized Signatory- Chemical

EL-FMT-7.8.2-SE

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NSEL240325NA053	
Type of Sample : Stack Emission			
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhlana, Punjab	Period of Sampling	20/03/2025 - 20/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	24/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh	Period of Analysis	24/03/2025 - 29/03/2025
Source of Emission	Boiler Stack (2000 Kg/hr) Sr.No.FVPL-22-3961 (Utility Area)	Date of reporting	29/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	PNG
Point of Sample Collection	From Port Hole	APCD Details (If provided)	NA
Standard/Specifications	Emission Stack- Boiler: EPA 1981		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Sulphur Dioxide	mg/Nm ³	<5	Not Specified	EL/SOP/FGA/01
2	Oxides of Nitrogen	mg/Nm ³	108	Not Specified	EL/SOP/FGA/01
3	Carbon monoxide	mg/Nm ³	66	Not Specified	EL/SOP/FGA/01
4	Oxygen	%	18.1	Not Specified	EL/SOP/FGA/01
5	Carbon dioxide	%	1.8	Not Specified	EL/SOP/FGA/01
6	Flue gas velocity	m/s	17.1	Not Specified	IS 11255 : Part 3
7	Temperature	°C	123	Not Specified	IS 11255 : Part 3
8	Particulate Matter at 12% CO ₂ Corr.	mg/Nm ³	14.0	max. 500 (2 to <10 TPH)	IS 11255 (Part-1)

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT



ULR No : NA

Test Report No : NSEL240325NA053

Type of Sample : Stack Emission

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

TEST REPORT



ULR No : NA		Test Report No : NSEL080325NA012	
Type of Sample : Stack Emission			
Reference Type : Work Order No		Reference No : 4900004844 DL: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	07/03/2025 - 07/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	08/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 18/03/2025
Source of Emission	Boiler Stack (500 Kg/hr) ETP Area (Model No.RXA05/NXT/85)	Date of reporting	18/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	PNG
Point of Sample Collection	From Port Hole	APCD Details (If provided)	NA
Standard/Specifications	Emission Stack- Boiler: EPA 1981		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Particulate Matter at 12% CO ₂ Cor.	mg/Nm ³	13	max. 800 (Less than 2 TPH)	IS 11255 (Part-1)
2	Sulphur Dioxide	mg/Nm ³	BDL (5)	Not Specified	EL/SOP/FGA/01
3	Oxides of Nitrogen	mg/Nm ³	102	Not Specified	EL/SOP/FGA/01
4	Carbon monoxide	mg/Nm ³	52	Not Specified	EL/SOP/FGA/01
5	Oxygen	%	18	Not Specified	EL/SOP/FGA/01
6	Carbon dioxide	%	1.2	Not Specified	EL/SOP/FGA/01
7	Flue gas velocity	m/s	11.7	Not Specified	IS 11255 : Part 3
8	Temperature	°C	121	Not Specified	IS 11255 : Part 3

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA

Test Report No : NSEL080325NA012

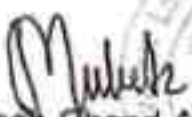
Type of Sample : Stack Emission

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NSTL080325NA037	
Type of Sample : Stack Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	08/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Source of Emission	DG Set No.1 (2000 KVA)	Date of reporting	19/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	HSD
Point of Sample Collection	From Port Hole	APCD Details (If provided)	NA
Standard/Specifications	Emission- Diesel Engine greater than 800 KW or 1000 KVA : EPA 1986 S.No. 96		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Flue Gas Velocity	m/s	17.6	Not Specified	IS 11255 (Part 3)
2	Particulate Matter (at 15% O2 Corr.)	mg/Nm3	78.4	75(max.)	IS 11255 (Part-1)
3	Sulphur dioxide	mg/Nm3	31	Not Specified	EL/SOP/FGA/01
4	Carbon monoxide (at 15% O2 Corr.)	mg/Nm3	139	150(max.)	EL/SOP/FGA/01
5	Carbon dioxide	%	4.6	Not Specified	EL/SOP/FGA/01
6	Oxygen	%	14.1	Not Specified	EL/SOP/FGA/01
7	Temperature	°C	215	Not Specified	IS 11255 (Part 3)

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA

Test Report No : NSTL080325NA037

Type of Sample : Stack Emission

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical





TEST REPORT

ULR No : NA		Test Report No : NSTL080325NA037/A	
Type of Sample : Stack Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	08/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Source of Emission	DG Set No.1 (2000 KVA)	Date of reporting	19/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	HSD
Point of Sample Collection	From Port Hole	APCD Details (If provided)	NA
Standard/Specifications	Emission- Diesel Engine greater than 800 KW or 1000 KVA : EPA 1986 S.No. 96		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Oxides of Nitrogen (at 15% O2 Corr.)	ppmv	517	710(max.)	EL/SOP/FGA/01
2	Non Methane Hydrocarbon (at 15% O2 Corr.)	mg/Nm3	53	100(max.)	EL/SOP/FGA/01

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT

ULR No : NA

Test Report No : NSTL080325NA037/A

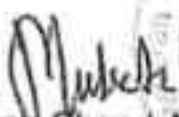
Type of Sample : Slack Emission

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



TEST REPORT



ULR No : NA		Test Report No : NSTL080325NA038	
Type of Sample : Stack Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	08/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Source of Emission	DG Set No.2 (2000 KVA)	Date of reporting	19/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	HSD
Point of Sample Collection	From Port Hole	APCD Details (If provided)	NA
Standard/Specifications	Emission- Diesel Engine greater than 800 KW or 1000 KVA : EPA 1986 S.No. 96		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Flue Gas Velocity	m/s	16.7	Not Specified	IS 11255 (Part 3)
2	Particulate Matter (at 15% O2 Corr.)	mg/Nm3	67	75(max.)	IS 11255 (Part-1)
3	Sulphur dioxide	mg/Nm3	34	Not Specified	EL/SOP/FGA/01
4	Carbon monoxide (at 15% O2 Corr.)	mg/Nm3	139	150(max.)	EL/SOP/FGA/01
5	Carbon dioxide	%	4.9	Not Specified	EL/SOP/FGA/01
6	Oxygen	%	14.0	Not Specified	EL/SOP/FGA/01
7	Temperature	°C	220	Not Specified	IS 11255 (Part 3)

Remarks : NA

End of Report


 Mr. Mukesh Chand Agarwal
 Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA

Test Report No : NSTL080325NA038

Type of Sample : Stack Emission

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



TEST REPORT

ULR No : NA		Test Report No : NSTL080325NA038/A	
Type of Sample : Stack Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	08/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Source of Emission	DG Set No.2 (2000 KVA)	Date of reporting	19/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	HSD
Point of Sample Collection	From Port Hole	APCD Details (If provided)	NA
Standard/Specifications	Emission- Diesel Engine greater than 800 KW or 1000 KVA : EPA 1986 S.No. 96		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Oxides of Nitrogen (at 15% O2 Corr.)	ppmv	517	710(max.)	EL/SOP/FGA/01
2	Non Methane Hydrocarbon (at 15% O2 Corr.)	mg/Nm3	56	100(max.)	EL/SOP/FGA/01

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
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TEST REPORT

ULR No : NA

Test Report No : NSTL080325NA038/A

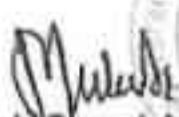
Type of Sample : Stack Emission

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical





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TEST REPORT



ULR No : NA		Test Report No : NPEL240325NA052	
Type of Sample : Process Emission			
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	19/03/2025 - 19/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	24/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh	Period of Analysis	24/03/2025 - 29/03/2025
Source of Emission	EB Scrubber Stack	Date of reporting	29/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	NA
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	Scrubber
Standard/Specifications	Emission- Process: EPA 1986		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

1. Atmospheric Pollution (Process Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Ammonia as NH3	mg/Nm3	4.2	30	IS 11255 (Part 6)

Remarks : NA

End of Report

OTHER INFORMATION

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TEST REPORT

ULR No : NA		Test Report No : NPEL240325NA052/A	
Type of Sample : Process Emission			
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	19/03/2025 - 19/03/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	24/03/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh	Period of Analysis	24/03/2025 - 29/03/2025
Source of Emission	EB Scrubber Stack	Date of reporting	29/03/2025
Stack Description	Single, Circular & Metal	Fuel Used	NA
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	Scrubber
Standard/Specifications	Emission- Process: EPA 1986		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Process Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Total Volatile Organic Compound	ppm	6.869	--	EL-QTM-04

Remarks : NA

End of Report

OTHER INFORMATION

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TEST REPORT



TC-11/18

ULR No : TC1181825000000457F		Test Report No : NPEL100125NA058	
Type of Sample : Process Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	10/01/2025 - 10/01/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	10/01/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	10/01/2025 - 20/01/2025
Source of Emission	Stack Attached to Dust Collector No.1,2 & 3	Date of reporting	20/01/2025
Stack Description	Common, Circular & Metal	Fuel Used	NA
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	Dust Collector
Standard/Specifications	Emission- Process: EPA 1986		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Process Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Particulate Matter	mg/Nm3	12	150	IS 11255 (Part-1)

Remarks : NA

End of Report

Mr. Umesh Kumar
Authorized Signatory- Chemical

EL-FMT-7.8.2-SE

Page No.1/2

TEST REPORT



ULR No : TC1181825000000457F

Test Report No : NPEL100125NA058

Type of Sample : Process Emission

OTHER INFORMATION

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Authorized Signatory- Chemical



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TEST REPORT



ULR No : TC118182500000456F		Test Report No : NPEL100125NA059	
Type of Sample : Process Emission			
Reference Type : Work Order No		Reference No : 4900004844 Dt: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Customer Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	10/01/2025 - 10/01/2025
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	10/01/2025
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	10/01/2025 - 20/01/2025
Source of Emission	Scrubber Stack (WPB)	Date of reporting	20/01/2025
Stack Description	Single, Circular & FRP	Fuel Used	NA
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	Scrubber
Standard/Specifications	Emission- Process: EPA 1986		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

1. Atmospheric Pollution (Process Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Temperature	°C	24	—	IS:11255 (Part-3)
2	Volumetric Flow Rate	Nm3/hr	1654	—	IS:11255 (Part-3)
3	Flue gas velocity	m/s	9.8	—	IS:11255 (Part-3)
4	Ammonia as NH3	mg/Nm3	5.8	30	IS 11255 (Part 6)

Remarks : NA

End of Report

Mr. Umesh Kumar
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EL-FMT-7.8.2-SE

Page No.1/2

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TEST REPORT



ULR No : TC118182500000456F

Test Report No : NPEL100125NA059

Type of Sample : Process Emission

OTHER INFORMATION

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Mr. Umesh Kumar
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Boiler -01 Stack Emission report				Boiler -02 Stack Emission report				Boiler -03 Stack Emission report			
ScanTimestamp	NO(mg/m3)	PM(mg/m3)	SO2(mg/m3)	ScanTimestamp	NO(mg/m3)	PM(mg/m3)	SO2(mg/m3)	ScanTimestamp	NO(mg/m3)	PM(mg/m3)	SO2(mg/m3)
01-03-2025 00:00	0	0	0	01-03-2025 00:00	4	0.38	0	01-03-2025 00:00	4	0.38	0
01-03-2025 00:15	0	0	0	01-03-2025 00:15	3	0	0	01-03-2025 00:15	3	0	0
01-03-2025 00:30	0	0	0	01-03-2025 00:30	2.67	0.29	0	01-03-2025 00:30	2.67	0.29	0
01-03-2025 00:45	0	0	0	01-03-2025 00:45	2	0	0	01-03-2025 00:45	2	0	0
01-03-2025 01:00	0	0	0	01-03-2025 01:00	1.67	0	0	01-03-2025 01:00	1.67	0	0
01-03-2025 01:15	0	0	0	01-03-2025 01:15	1	0	0	01-03-2025 01:15	1	0	0
01-03-2025 01:30	0	0	0	01-03-2025 01:30	1	0	0	01-03-2025 01:30	1	0	0
01-03-2025 01:45	0	0	0	01-03-2025 01:45	0	0	0	01-03-2025 01:45	0	0	0
01-03-2025 02:00	0	0	0	01-03-2025 02:00	0	0.25	0	01-03-2025 02:00	0	0.25	0
01-03-2025 02:15	0	0	0	01-03-2025 02:15	0	0	0	01-03-2025 02:15	0	0	0
01-03-2025 02:30	0	0	0	01-03-2025 02:30	0	0.29	0	01-03-2025 02:30	0	0.29	0
01-03-2025 02:45	0	0	0	01-03-2025 02:45	0	0	0	01-03-2025 02:45	0	0	0
01-03-2025 03:00	0	0	0	01-03-2025 03:00	0	0	0	01-03-2025 03:00	0	0	0
01-03-2025 03:15	0	0	0	01-03-2025 03:15	0	0.04	0	01-03-2025 03:15	0	0.04	0
01-03-2025 03:30	0	0	0	01-03-2025 03:30	0	0	0	01-03-2025 03:30	0	0	0
01-03-2025 03:45	0	0	0	01-03-2025 03:45	0	0	0	01-03-2025 03:45	0	0	0
01-03-2025 04:00	0	0	0	01-03-2025 04:00	0	0.25	0	01-03-2025 04:00	0	0.25	0
01-03-2025 04:15	0	0	0	01-03-2025 04:15	0	1.46	0	01-03-2025 04:15	0	1.46	0
01-03-2025 04:30	0	0	0	01-03-2025 04:30	0	2.02	0	01-03-2025 04:30	0	2.02	0
01-03-2025 04:45	0	0	0	01-03-2025 04:45	0	0.71	0	01-03-2025 04:45	0	0.71	0
01-03-2025 05:00	0	0	0	01-03-2025 05:00	0	3.56	0	01-03-2025 05:00	0	3.56	0
01-03-2025 05:15	0	0	0	01-03-2025 05:15	0	1.69	0	01-03-2025 05:15	0	1.69	0
01-03-2025 05:30	0	0	0	01-03-2025 05:30	0	1.19	0	01-03-2025 05:30	0	1.19	0
01-03-2025 05:45	0	0	0	01-03-2025 05:45	0	1.57	0	01-03-2025 05:45	0	1.57	0
01-03-2025 06:00	0	0	0	01-03-2025 06:00	0	1.19	0	01-03-2025 06:00	0	1.19	0
01-03-2025 06:15	0	0	0	01-03-2025 06:15	0	0.04	0	01-03-2025 06:15	0	0.04	0
01-03-2025 06:30	0	0	0	01-03-2025 06:30	0	2.27	0	01-03-2025 06:30	0	2.27	0
01-03-2025 06:45	0	0	0	01-03-2025 06:45	0	1.38	0	01-03-2025 06:45	0	1.38	0
01-03-2025 07:00	0	0	0	01-03-2025 07:00	0	1.4	0	01-03-2025 07:00	0	1.4	0
01-03-2025 07:15	0	0	0	01-03-2025 07:15	0	1.69	0	01-03-2025 07:15	0	1.69	0
01-03-2025 07:30	0	0	0	01-03-2025 07:30	0	1.83	0	01-03-2025 07:30	0	1.83	0
01-03-2025 07:45	0	0	0	01-03-2025 07:45	0	0	0	01-03-2025 07:45	0	0	0
01-03-2025 08:00	0	0	0	01-03-2025 08:00	0	0.63	0	01-03-2025 08:00	0	0.63	0
01-03-2025 08:15	0	0	0	01-03-2025 08:15	0	1	0	01-03-2025 08:15	0	1	0
01-03-2025 08:30	0	0	0	01-03-2025 08:30	0	0.42	0	01-03-2025 08:30	0	0.42	0
01-03-2025 08:45	0	0	0	01-03-2025 08:45	0	0.75	0	01-03-2025 08:45	0	0.75	0
01-03-2025 09:00	0	0	0	01-03-2025 09:00	0	0.96	0	01-03-2025 09:00	0	0.96	0
01-03-2025 09:15	0	0	0	01-03-2025 09:15	0	3.04	0	01-03-2025 09:15	0	3.04	0
01-03-2025 09:30	0	0	0	01-03-2025 09:30	0	2.46	0	01-03-2025 09:30	0	2.46	0
01-03-2025 09:45	0	0	0	01-03-2025 09:45	0	2.35	0	01-03-2025 09:45	0	2.35	0
01-03-2025 10:00	0	0	0	01-03-2025 10:00	0	1.25	0	01-03-2025 10:00	0	1.25	0
01-03-2025 10:15	0	0	0	01-03-2025 10:15	0	0.63	0	01-03-2025 10:15	0	0.63	0
01-03-2025 10:30	0	0	0	01-03-2025 10:30	0	2.19	0	01-03-2025 10:30	0	2.19	0
01-03-2025 10:45	0	0	0	01-03-2025 10:45	0	2.54	0	01-03-2025 10:45	0	2.54	0
01-03-2025 11:00	0	0	0	01-03-2025 11:00	0	0.5	0	01-03-2025 11:00	0	0.5	0
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06-03-2025 13:45	0	0	0	06-03-2025 13:45	4.67	0.63	1.33	06-03-2025 13:45	4.67	0.63	1.33
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07-03-2025 18:45	0	0	0	07-03-2025 18:45	16	0.38	4.33	07-03-2025 18:45	16	0.38	4.33
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30-03-2025 20:15	0	0	0	30-03-2025 17:30	19	0	3	30-03-2025 17:30	19	0	3
30-03-2025 20:30	0	0	0	30-03-2025 17:45	19	0	3	30-03-2025 17:45	19	0	3
30-03-2025 20:45	0	0	0	30-03-2025 18:00	19	0.17	2.67	30-03-2025 18:00	19	0.17	2.67
30-03-2025 21:00	0	0	0	30-03-2025 18:15	18.67	0	2.67	30-03-2025 18:15	18.67	0	2.67
30-03-2025 21:15	0	0	0	30-03-2025 18:30	18.67	0	2	30-03-2025 18:30	18.67	0	2
30-03-2025 21:30	0	0	0	30-03-2025 18:45	18	0	2	30-03-2025 18:45	18	0	2
30-03-2025 21:45	0	0	0	30-03-2025 19:00	17	0.63	2	30-03-2025 19:00	17	0.63	2
30-03-2025 22:00	0	0	0	30-03-2025 19:15	16.33	0	1.67	30-03-2025 19:15	16.33	0	1.67
30-03-2025 22:15	0	0	0	30-03-2025 19:30	15.33	0	1.33	30-03-2025 19:30	15.33	0	1.33
30-03-2025 22:30	0	0	0	30-03-2025 19:45	14.67	0	1	30-03-2025 19:45	14.67	0	1
30-03-2025 22:45	0	0	0	30-03-2025 20:00	13.67	0	0.33	30-03-2025 20:00	13.67	0	0.33
30-03-2025 23:00	0	0	0	30-03-2025 20:15	13	0.04	0	30-03-2025 20:15	13	0.04	0
30-03-2025 23:15	0	0	0	30-03-2025 20:30	12	0.04	0	30-03-2025 20:30	12	0.04	0
30-03-2025 23:30	0	0	0	30-03-2025 20:45	11	0	0	30-03-2025 20:45	11	0	0
30-03-2025 23:45	0	0	0	30-03-2025 21:00	10	0	0	30-03-2025 21:00	10	0	0
31-03-2025 00:00	0	0	0	30-03-2025 21:15	9.67	0	0	30-03-2025 21:15	9.67	0	0
31-03-2025 00:15	0	0	0	30-03-2025 21:30	8.33	0	0	30-03-2025 21:30	8.33	0	0
31-03-2025 00:30	0	0	0	30-03-2025 21:45	7.33	0.29	0	30-03-2025 21:45	7.33	0.29	0
31-03-2025 00:45	0	0	0	30-03-2025 22:00	6.33	0	0	30-03-2025 22:00	6.33	0	0
31-03-2025 01:00	0	0	0	30-03-2025 22:15	5.67	0	0	30-03-2025 22:15	5.67	0	0
31-03-2025 01:15	0	0	0	30-03-2025 22:30	5	0	0	30-03-2025 22:30	5	0	0
31-03-2025 01:30	0	0	0	30-03-2025 22:45	3.67	0	0	30-03-2025 22:45	3.67	0	0
31-03-2025 01:45	0	0	0	30-03-2025 23:00	3.33	0	0	30-03-2025 23:00	3.33	0	0
31-03-2025 02:00	0	0	0	30-03-2025 23:15	2	0	0	30-03-2025 23:15	2	0	0
31-03-2025 02:15	0	0	0	30-03-2025 23:30	1.67	0	0	30-03-2025 23:30	1.67	0	0
31-03-2025 02:30	0	0	0	30-03-2025 23:45	0.67	0	0	30-03-2025 23:45	0.67	0	0
31-03-2025 02:45	0	0	0	31-03-2025 00:00	0	0	0	31-03-2025 00:00	0	0	0
31-03-2025 03:00	0	0	0	31-03-2025 00:15	0	0	0	31-03-2025 00:15	0	0	0
31-03-2025 03:15	0	0	0	31-03-2025 00:30	0	0	0	31-03-2025 00:30	0	0	0
31-03-2025 03:30	0	0	0	31-03-2025 00:45	0	0	0	31-03-2025 00:45	0	0	0
31-03-2025 03:45	0	0	0	31-03-2025 01:00	0	0	0	31-03-2025 01:00	0	0	0
31-03-2025 04:00	0	0	0	31-03-2025 01:15	0	0.42	0	31-03-2025 01:15	0	0.42	0
31-03-2025 04:15	0	0	0	31-03-2025 01:30	0	0	0	31-03-2025 01:30	0	0	0
31-03-2025 04:30	0	0	0	31-03-2025 01:45	0	0	0	31-03-2025 01:45	0	0	0
31-03-2025 04:45	0	0	0	31-03-2025 02:00	0	0	0	31-03-2025 02:00	0	0	0
31-03-2025 05:00	0	0	0	31-03-2025 02:15	0	0.33	0	31-03-2025 02:15	0	0.33	0
31-03-2025 05:15	0	0	0	31-03-2025 02:30	0	0.21	0	31-03-2025 02:30	0	0.21	0
31-03-2025 05:30	0	0	0	31-03-2025 02:45	0	0.33	0	31-03-2025 02:45	0	0.33	0
31-03-2025 05:45	0	0	0	31-03-2025 03:00	0	0	0	31-03-2025 03:00	0	0	0
31-03-2025 06:00	0	0	0	31-03-2025 03:15	0	0	0	31-03-2025 03:15	0	0	0
31-03-2025 06:15	0	0	0	31-03-2025 03:30	0	0	0	31-03-2025 03:30	0	0	0
31-03-2025 06:30	0	0	0	31-03-2025 03:45	0	0	0	31-03-2025 03:45	0	0	0
31-03-2025 06:45	0	0	0	31-03-2025 04:00	0	0	0	31-03-2025 04:00	0	0	0
31-03-2025 07:00	0	0	0	31-03-2025 04:15	0	0	0	31-03-2025 04:15	0	0	0
31-03-2025 07:15	0	0	0	31-03-2025 04:30	0	0.21	0	31-03-2025 04:30	0	0.21	0
31-03-2025 07:30	0	0	0	31-03-2025 04:45	0	0	0	31-03-2025 04:45	0	0	0
31-03-2025 07:45	0	0	0	31-03-2025 05:00	0	0	0	31-03-2025 05:00	0	0	0
31-03-2025 08:00	0	0	0	31-03-2025 05:15	0	0	0	31-03-2025 05:15	0	0	0
31-03-2025 08:15	0	0	0	31-03-2025 05:30	0	0	0	31-03-2025 05:30	0	0	0
31-03-2025 08:30	0	0	0	31-03-2025 05:45	0	0	0	31-03-2025 05:45	0	0	0
31-03-2025 08:45	0	0	0	31-03-2025 06:00	0	0	0	31-03-2025 06:00	0	0	0
31-03-2025 09:00	0	0	0	31-03-2025 06:15	0	0.13	0	31-03-2025 06:15	0	0.13	0
31-03-2025 09:15	0	0	0	31-03-2025 06:30	0	0.17	0	31-03-2025 06:30	0	0.17	0
31-03-2025 09:30	0	0	0	31-03-2025 06:45	0	0.04	0	31-03-2025 06:45	0	0.04	0
31-03-2025 09:45	0	0	0	31-03-2025 07:00	0	0.17	0	31-03-2025 07:00	0	0.17	0
31-03-2025 10:00	0	0	0	31-03-2025 07:15	0	0.13	0	31-03-2025 07:15	0	0.13	0
31-03-2025 10:15	0	0	0	31-03-2025 07:30	0	0	0	31-03-2025 07:30	0	0	0
31-03-2025 10:30	0	0	0	31-03-2025 07:45	0	0	0	31-03-2025 07:45	0	0	0
31-03-2025 10:45	0	0	0	31-03-2025 08:00	0	0	0	31-03-2025 08:00	0	0	0
31-03-2025 11:00	0	0	0	31-03-2025 08:15	0	0	0	31-03-2025 08:15	0	0	0
31-03-2025 11:15	0	0	0	31-03-2025 08:30	0	0.33	0	31-03-2025 08:30	0	0.33	0
31-03-2025 11:30	0	0	0	31-03-2025 08:45	0	0	0	31-03-2025 08:45	0	0	0
31-03-2025 11:45	0	0	0	31-03-2025 09:00	0	0.34	0	31-03-2025 09:00	0	0.34	0

31-03-2025 12:00	0	0	0	31-03-2025 09:15	0	0.21	0	31-03-2025 09:15	0	0.21	0
31-03-2025 12:15	0	0	0	31-03-2025 09:30	0	0.63	0	31-03-2025 09:30	0	0.63	0
31-03-2025 12:30	0	0	0	31-03-2025 09:45	0	0	0	31-03-2025 09:45	0	0	0
31-03-2025 12:45	0	0	0	31-03-2025 10:00	0	0.58	0	31-03-2025 10:00	0	0.58	0
31-03-2025 13:00	0	0	0	31-03-2025 10:15	0	0	0	31-03-2025 10:15	0	0	0
31-03-2025 13:15	0	0	0	31-03-2025 10:30	0	0	0	31-03-2025 10:30	0	0	0
31-03-2025 13:30	0	0	0	31-03-2025 10:45	0	0.04	0	31-03-2025 10:45	0	0.04	0
31-03-2025 13:45	0	0	0	31-03-2025 11:00	0	0	0	31-03-2025 11:00	0	0	0
31-03-2025 14:00	0	0	0	31-03-2025 11:15	0	0.17	0	31-03-2025 11:15	0	0.17	0
31-03-2025 14:15	0	0	0	31-03-2025 11:30	0	0.25	0	31-03-2025 11:30	0	0.25	0
31-03-2025 14:30	0	0	0	31-03-2025 11:45	0	0	0.67	31-03-2025 11:45	0	0	0.67
31-03-2025 14:45	0	0	0	31-03-2025 12:00	0	1.52	1.33	31-03-2025 12:00	0	1.52	1.33
31-03-2025 15:00	0	0	0	31-03-2025 12:15	0	0	2	31-03-2025 12:15	0	0	2
31-03-2025 15:15	0	0	0	31-03-2025 12:30	0.67	0.04	2.67	31-03-2025 12:30	0.67	0.04	2.67
31-03-2025 15:30	0	0	0	31-03-2025 12:45	2.67	0	3	31-03-2025 12:45	2.67	0	3
31-03-2025 15:45	0	0	0	31-03-2025 13:00	2.33	0	2.33	31-03-2025 13:00	2.33	0	2.33
31-03-2025 16:00	0	0	0	31-03-2025 13:15	0.67	0	0	31-03-2025 13:15	0.67	0	0
31-03-2025 16:15	0	0	0	31-03-2025 13:30	1.67	0	0	31-03-2025 13:30	1.67	0	0
31-03-2025 16:30	0	0	0	31-03-2025 13:45	3.33	0	0	31-03-2025 13:45	3.33	0	0
31-03-2025 16:45	0	0	0	31-03-2025 14:00	4.67	0	0	31-03-2025 14:00	4.67	0	0
31-03-2025 17:00	0	0	0	31-03-2025 14:15	5.67	0	0.33	31-03-2025 14:15	5.67	0	0.33
31-03-2025 17:15	0	0	0	31-03-2025 14:30	7	0	0.33	31-03-2025 14:30	7	0	0.33
31-03-2025 17:30	0	0	0	31-03-2025 14:45	8.33	0	0.33	31-03-2025 14:45	8.33	0	0.33
31-03-2025 17:45	0	0	0	31-03-2025 15:00	9.67	0.13	0.33	31-03-2025 15:00	9.67	0.13	0.33
31-03-2025 18:00	0	0	0	31-03-2025 15:15	11	0.67	1	31-03-2025 15:15	11	0.67	1
31-03-2025 18:15	0	0	0	31-03-2025 15:30	12.33	0.04	1	31-03-2025 15:30	12.33	0.04	1
31-03-2025 18:30	0	0	0	31-03-2025 15:45	13.33	0.67	1	31-03-2025 15:45	13.33	0.67	1
31-03-2025 18:45	0	0	0	31-03-2025 16:00	14.67	0	1	31-03-2025 16:00	14.67	0	1
31-03-2025 19:00	0	0	0	31-03-2025 16:15	16	0.58	1	31-03-2025 16:15	16	0.58	1
31-03-2025 19:15	0	0	0	31-03-2025 16:30	17.33	0.04	1	31-03-2025 16:30	17.33	0.04	1
31-03-2025 19:30	0	0	0	31-03-2025 16:45	18.33	0.21	1	31-03-2025 16:45	18.33	0.21	1
31-03-2025 19:45	0	0	0	31-03-2025 17:00	19.67	0.29	1	31-03-2025 17:00	19.67	0.29	1
31-03-2025 20:00	0	0	0	31-03-2025 17:15	20.33	0	1	31-03-2025 17:15	20.33	0	1
31-03-2025 20:15	0	0	0	31-03-2025 17:30	21	0	1	31-03-2025 17:30	21	0	1
31-03-2025 20:30	0	0	0	31-03-2025 17:45	21	1.06	0.33	31-03-2025 17:45	21	1.06	0.33
31-03-2025 20:45	0	0	0	31-03-2025 18:00	21.33	0	0	31-03-2025 18:00	21.33	0	0
31-03-2025 21:00	0	0	0	31-03-2025 18:15	21	2.83	0	31-03-2025 18:15	21	2.83	0
31-03-2025 21:15	0	0	0	31-03-2025 18:30	21	1.27	0	31-03-2025 18:30	21	1.27	0
31-03-2025 21:30	0	0	0	31-03-2025 18:45	20	0.58	0	31-03-2025 18:45	20	0.58	0
31-03-2025 21:45	0	0	0	31-03-2025 19:00	20	1.21	0	31-03-2025 19:00	20	1.21	0
31-03-2025 22:00	0	0	0	31-03-2025 19:15	19	0.5	0	31-03-2025 19:15	19	0.5	0
31-03-2025 22:15	0	0	0	31-03-2025 19:30	18	1.13	0	31-03-2025 19:30	18	1.13	0
31-03-2025 22:30	0	0	0	31-03-2025 19:45	16.67	0	0	31-03-2025 19:45	16.67	0	0
31-03-2025 22:45	0	0	0	31-03-2025 20:00	15.67	0.75	0	31-03-2025 20:00	15.67	0.75	0
31-03-2025 23:00	0	0	0	31-03-2025 20:15	14.67	0.29	0	31-03-2025 20:15	14.67	0.29	0
31-03-2025 23:15	0	0	0	31-03-2025 20:30	13.67	0.5	0	31-03-2025 20:30	13.67	0.5	0
31-03-2025 23:30	0	0	0	31-03-2025 20:45	12.33	0	0	31-03-2025 20:45	12.33	0	0
31-03-2025 23:45	0	0	0	31-03-2025 21:00	11	0.42	0	31-03-2025 21:00	11	0.42	0
				31-03-2025 21:15	10.33	0	0	31-03-2025 21:15	10.33	0	0
				31-03-2025 21:30	9.33	0	0	31-03-2025 21:30	9.33	0	0
				31-03-2025 21:45	8.33	0	0	31-03-2025 21:45	8.33	0	0
				31-03-2025 22:00	7.67	0.21	0	31-03-2025 22:00	7.67	0.21	0
				31-03-2025 22:15	6	0	0	31-03-2025 22:15	6	0	0
				31-03-2025 22:30	5.33	0	0	31-03-2025 22:30	5.33	0	0
				31-03-2025 22:45	4.67	0.13	0	31-03-2025 22:45	4.67	0.13	0
				31-03-2025 23:00	3.67	0.13	0	31-03-2025 23:00	3.67	0.13	0
				31-03-2025 23:15	3	0	0	31-03-2025 23:15	3	0	0
				31-03-2025 23:30	1.67	0.17	0	31-03-2025 23:30	1.67	0.17	0
				31-03-2025 23:45	1	0.5	0	31-03-2025 23:45	1	0.5	0



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY

sco 149-152, Sector 17 c, Chandigarh – 160017

PERMISSION FOR EXTRACTION OF GROUNDWATER

(Under The Punjab Groundwater Extraction And Conservation Directions, 2023)

Unit ID:	Permission Number:	Date of Grant of Permission	Valid up to
0850101071	PWRDA/I/06/2023/L3/44	01.06.2023	31.05.2026

1	Name of Unit:	M/s Grasim Industries Ltd.	
2	Activity of Unit:	Industrial	
3	Address/Location of Unit:	Plot Number B1, D-02(P), Village Dhanansu, District Ludhiana	PIN:141112
4	Assessment Area (Block):	Ludhiana II	Status: Orange
5	District	Ludhiana	
6	Head Office Address:	M/s Grasim Industries Pvt. Ltd, Aditya Birla Centre, A Wing, 2 nd Floor, S.K Ahire Marg, Worli, Mumbai	
			PIN:400030
	Email	manoj.dadhwal@adityabirla.com	
	Phone/Mobile No.	9833681001	8979214555
7	Project Status:	Existing	
8	No. of Existing Tube-Wells	No. of Proposed Tube-Wells	Total Number of Tube-Wells Permitted
	04	0	04
9	Volume of Ground Water Permitted to be Extracted(m ³ /month)	Fresh	Brackish/Saline
		34740	-

Note: This permission is granted in terms of the Punjab Groundwater Extraction and Conservation Directions, 2023 notified on 27th January, 2023 under section 15 of the Punjab Water Resources (Management and Regulation) Act, 2020 and is subject to the conditions given overleaf.

Dated: 01.06.2023

Place: Chandigarh



[Signature]
01.06.2023
ਸੀਨੀਅਰ ਮੈਨੇਜਰ (ਪਬਲਿਕ ਰੇਲੇਸ਼ਨ)
ਪੰਜਾਬ ਪਾਣੀ ਸੰਭਾਲ ਅਤੇ ਵਿਕਾਸ ਅਥਾਰਟੀ

Simran Kaur
01/06/2023

Terms and Conditions

- 1) User shall comply with the provisions of the Punjab Water Resources (Management and Regulation) Act, 2020, The Punjab Groundwater Extraction and Conservation Directions, 2023 and other Regulations, Directions and instructions issued by the Authority from time to time.
- 2) The User shall install a water meter of required Specifications at each extraction structure and inform PWRDA along with Model approval Certificate from FCRI /NPL, Calibration Certificate, etc. within three months of issue of this Permission. The water meter shall conform to the technical specifications, performance parameters and connectivity standards, etc. as required by the Authority.
- 3) The User (if required to install piezometer as per Directions) shall install the piezometer of the required specifications within three months of issue of this permission. (refer para 5.2 of the Directions).
- 4) Payment Cycle and Schedule shall be as per para 4.8 of the Directions.
- 5) In case of proposed water extraction structure which is yet to be commissioned, the user will intimate the Authority regarding all the details of the structure within 15 days of energizing of structure.
- 6) This Permission does not absolve the Unit of its obligations to obtain other required statutory and administrative clearances from appropriate Authorities.
- 7) The issue of this Permission does not imply that other statutory or administrative clearances shall necessarily be granted to the unit by the concerned Authorities.
- 8) This Permission is being issued without any prejudice to the orders of any court of law in cases related to groundwater or any other related matters.
- 9) The Authority may inspect the Unit and original documents at any time. In case it is found that any material facts have been concealed or misreported or any material difference is found in the information submitted and the site conditions or documents, the Authority may suspend the permission granted immediately and may cancel or alter the permission after giving a notice to the Unit. This will be without prejudice to any other action that may be taken under the law for supply of wrong information.
- 10) The User is advised to keep on checking the website of the Authority for updates on Directions and instructions on matters related to extraction of groundwater.
- 11) The User shall obtain revised/varied/fresh permission as the case may be, in case there is any change in ground water extraction structure, volume etc, before the aforesaid change is affected or within the time permitted under the Directions.
- 12) A user shall apply for renewal of permission in the required format three months prior to the expiry of permission.





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



TC-11818

ULR No : NA		Test Report No : NGWL250325NA001	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 DL: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	24/03/2025 - 24/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	25/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	25/03/2025 - 03/04/2025
Testing Location	Permanent Facility	Date of reporting	03/04/2025
Sampling Location	From Borewell No.1		
Sample Description	Colourless liquid		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Colour	CU	BDL (1)	5(Max.)	15(Max.)	IS 3025 (Part 4) CI 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
3	pH @ 25°C	-	7.49	6.5-8.5	No relaxation	IS 3025 (Part 11)
4	Turbidity	NTU	BDL (0.1)	1	5	IS 3025 (Part 10)
5	Total Dissolved Solids	mg/l	317	500(Max.)	2000(Max.)	IS 3025 (Part 16)
6	Calcium as Ca	mg/l	37	75(Max.)	200(Max.)	IS 3025 (Part 40)
7	Chloride as Cl	mg/l	17	250(Max.)	1000(Max.)	IS 3025 (Part 32)
8	Fluoride as F	mg/l	0.35	1.0(Max.)	1.5(Max.)	IS 3025 (Part 60)
9	Iron as Fe	mg/l	0.005	1.0(Max.)	No Relaxation	USEPA 3015A
10	Magnesium as Mg	mg/l	21	30(Max.)	100(Max.)	IS 3025 (Part 46)

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-W

Ms. Lata Thakur
Authorized Signatory- Biological

Page No.1/3

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 📧 contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org

TEST REPORT



ULR No : NA			Test Report No : NGWL250325NA001			
Type of Sample : Water- Ground Water						
11	Nitrate as NO3	mg/l	4.1	45(Max.)	No Relaxation	IS 3025 (Part 34) -CI 3.3 Chromotropic Acid Method
12	Sulphate as SO4	mg/l	45	200(Max.)	400(Max.)	IS 3025 (Part 24) CI 4.0
13	Copper as Cu	mg/l	BDL (0.001)	0.05(Max.)	1.5(Max.)	USEPA 3015A
14	Total Alkalinity as CaCO3	mg/l	292	200(Max.)	600(Max.)	IS 3025 (Part 23)
15	Total Hardness as CaCO3	mg/l	180	200(Max.)	600(Max.)	IS 3025 (Part 21)
16	Zinc as Zn	mg/l	BDL (0.001)	5.0(Max.)	15(Max.)	USEPA 3015A
17	Chromium as Cr	mg/l	BDL (0.001)	0.05(Max.)	No relaxation	USEPA 3015A
18	Cyanide as CN	mg/l	BDL (0.02)	0.05(Max.)	No relaxation	IS 3025 (Part 27)
19	Lead as Pb	mg/l	BDL (0.001)	0.01(Max.)	No relaxation	USEPA 3015A
20	Cadmium as Cd	mg/l	BDL (0.001)	0.003(Max.)	No relaxation	USEPA 3015A

3. Biological Testing

III. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185
2	E.coli.	Present or Absent/100 ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185

Remarks : NA

****End of Report****


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical


Ms. Lata Thakur
Authorized Signatory - Biological

TEST REPORT



TC-11818

ULR No : NA

Test Report No : NGWL250325NA001

Type of Sample : Water- Ground Water

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
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7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-W

Ms. Lata Thakur
Authorized Signatory - Biological





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT

ULR No : NA		Test Report No : NGWL250325NA001/A	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	24/03/2025 - 24/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	25/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	25/03/2025 - 03/04/2025
Testing Location	Permanent Facility	Date of reporting	03/04/2025
Sampling Location	From Borewell No.1		
Sample Description	Colourless liquid		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Potassium as K	mg/l	5.5	-	-	IS 3025 (Part 45)

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-W


Ms. Lata Thakur
Authorized Signatory - Biological

Page No.1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT

ULR No : NA

Test Report No : NGWL250325NA001/A

Type of Sample : Water- Ground Water

OTHER INFORMATION

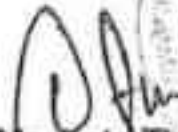
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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



Ms. Lata Thakur
Authorized Signatory - Biological





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NGWL250325NA002	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D.02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	24/03/2025 - 24/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	25/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	25/03/2025 - 03/04/2025
Testing Location	Permanent Facility	Date of reporting	03/04/2025
Sampling Location	From Borewell-Nursery (Vill. Bhukhri Kalan)		
Sample Description	Clear,colourless liquid		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Colour	CU	BDL (1)	5(Max.)	15(Max.)	IS 3025 (Part 4) CI 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
3	pH @ 25°C	-	6.79	6.5-8.5	No relaxation	IS 3025 (Part 11)
4	Turbidity	NTU	BDL (0.1)	1	5	IS 3025 (Part 10)
5	Total Dissolved Solids	mg/l	740	500(Max.)	2000(Max.)	IS 3025 (Part 16)
6	Calcium as Ca	mg/l	144	75(Max.)	200(Max.)	IS 3025 (Part 40)
7	Chloride as Cl	mg/l	31	250(Max.)	1000(Max.)	IS 3025 (Part 32)
8	Fluoride as F	mg/l	0.70	1.0(Max.)	1.5(Max.)	IS 3025 (Part 60)
9	Iron as Fe	mg/l	0.005	1.0(Max.)	No Relaxation	USEPA 3015A
10	Magnesium as Mg	mg/l	58	30(Max.)	100(Max.)	IS 3025 (Part 46)

Mr. Mukesh Chand Agarwal
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EL-FMT-7.8.2-W

Ms. Lata Thakur
Authorized Signatory - Biological

TEST REPORT



ULR No : NA			Test Report No : NGWL250325NA002			
Type of Sample : Water- Ground Water						
11	Nitrate as NO3	mg/l	28	45(Max.)	No Relaxation	IS 3025 (Part 34) -CI 3.3 Chromotropic Acid Method
12	Sulphate as SO4	mg/l	30	200(Max.)	400(Max.)	IS 3025 (Part 24) CI 4.0
13	Copper as Cu	mg/l	BDL (0.001)	0.05(Max.)	1.5(Max.)	USEPA 3015A
14	Total Alkalinity as CaCO3	mg/l	360	200(Max.)	600(Max.)	IS 3025 (Part 23)
15	Total Hardness as CaCO3	mg/l	600	200(Max.)	600(Max.)	IS 3025 (Part 21)
16	Zinc as Zn	mg/l	BDL (0.001)	5.0(Max.)	15(Max.)	USEPA 3015A
17	Chromium as Cr	mg/l	BDL (0.001)	0.05(Max.)	No relaxation	USEPA 3015A
18	Cyanide as CN	mg/l	BDL (0.02)	0.05(Max.)	No relaxation	IS 3025 (Part 27)
19	Lead as Pb	mg/l	BDL (0.001)	0.01(Max.)	No relaxation	USEPA 3015A
20	Cadmium as Cd	mg/l	BDL (0.001)	0.003(Max.)	No relaxation	USEPA 3015A

3. Biological Testing

III. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Total Coliform	Present or Absent/100ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185
2	E.coli.	Present or Absent/100ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185

Remarks : NA

****End of Report****

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-W

Ms. Lata Thakur
Authorized Signatory - Biological

TEST REPORT



ULR No : NA

Test Report No : NGWL250325NA002

Type of Sample : Water- Ground Water

OTHER INFORMATION

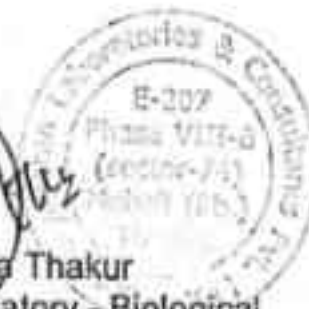
Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological



TEST REPORT

ULR No : NA		Test Report No : NGWL250325NA002/A	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 DL: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	24/03/2025 - 24/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	25/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	25/03/2025 - 03/04/2025
Testing Location	Permanent Facility	Date of reporting	03/04/2025
Sampling Location	From Borewell-Nursery (Vill. Bhukhri Kalan)		
Sample Description	Clear,colourless liquid		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Potassium as K	mg/l	4.5	-	-	IS 3025 (Part 45)

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical


Ms. Lata Thakur
Authorized Signatory - Biological

EL-FMT-7.8.2-W

Page No.1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT

ULR No : NA

Test Report No : NGWL250325NA002/A

Type of Sample : Water- Ground Water

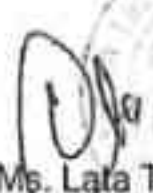
OTHER INFORMATION

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical


Ms. Lata Thakur
Authorized Signatory - Biological



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NGWL080325NA035	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	08/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Testing Location	Permanent Facility	Date of reporting	19/03/2025
Sampling Location	Borewell No.2		
Sample Description	Clear,colourless liquid.		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Colour	CU	BDL (1)	5(Max.)	15(Max.)	IS 3025 (Part 4) CI 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
3	pH @ 25°C	-	7.32	6.5-8.5	No relaxation	IS 3025 (Part 11)
4	Turbidity	NTU	BDL (0.1)	1	5	IS 3025 (Part 10)
5	Total Dissolved Solids	mg/l	342	500(Max.)	2000(Max.)	IS 3025 (Part 16)
6	Calcium as Ca	mg/l	50	75(Max.)	200(Max.)	IS 3025 (Part 40)
7	Chloride as Cl	mg/l	15	250(Max.)	1000(Max.)	IS 3025 (Part 32)
8	Fluoride as F	mg/l	0.35	1.0(Max.)	1.5(Max.)	IS 3025 (Part 60)
9	Iron as Fe	mg/l	0.025	1.0(Max.)	No Relaxation	USEPA 3015A
10	Magnesium as Mg	mg/l	24	30(Max.)	100(Max.)	IS 3025 (Part 46)

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological

EL-FMT-7.8.2-W

Page No.1/3

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TEST REPORT



ULR No : NA

Test Report No : NGWL080325NA035

Type of Sample : Water- Ground Water

11	Nitrate as NO3	mg/l	5.2	45(Max.)	No Relaxation	IS 3025 (Part 34) -Cl 3.3 Chromotropic Acid Method
12	Sulphate as SO4	mg/l	28	200(Max.)	400(Max.)	IS 3025 (Part 24) Cl 4.0
13	Copper as Cu	mg/l	BDL (0.001)	0.05(Max.)	1.5(Max.)	USEPA 3015A
14	Total Alkalinity as CaCO3	mg/l	268	200(Max.)	600(Max.)	IS 3025 (Part 23)
15	Total Hardness as CaCO3	mg/l	225	200(Max.)	600(Max.)	IS 3025 (Part 21)
16	Zinc as Zn	mg/l	0.008	5.0(Max.)	15(Max.)	USEPA 3015A
17	Chromium as Cr	mg/l	BDL (0.001)	0.05(Max.)	No relaxation	USEPA 3015A
18	Cyanide as CN	mg/l	BDL (0.02)	0.05(Max.)	No relaxation	IS 3025 (Part 27)
19	Lead as Pb	mg/l	BDL (0.001)	0.01(Max.)	No relaxation	USEPA 3015A
20	Cadmium as Cd	mg/l	BDL (0.001)	0.003(Max.)	No relaxation	USEPA 3015A

3. Biological Testing

III. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Total Coliform	Present or Absent/100ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185
2	E.coli,	Present or Absent/100ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological

TEST REPORT



ULR No : NA

Test Report No : NGWL080325NA035

Type of Sample : Water- Ground Water

OTHER INFORMATION

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Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological





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TEST REPORT

ULR No : NA		Test Report No : NGWL080325NA035/A	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 Dt: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	08/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Testing Location	Permanent Facility	Date of reporting	19/03/2025
Sampling Location	Borewell No.2		
Sample Description	Clear,colourless liquid.		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Potassium as K	mg/l	7.5	-	-	IS 3025 (Part 45)

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological

EL-FMT-7.8.2-W

Page No.1/2

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TEST REPORT

ULR No : NA

Test Report No : NGWL080325NA035/A

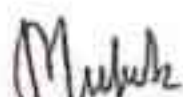
Type of Sample : Water- Ground Water

OTHER INFORMATION

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Ms. Lata Thakur
Authorized Signatory - Biological





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NGWL080325NA036	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	08/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Testing Location	Permanent Facility	Date of reporting	19/03/2025
Sampling Location	Borewell No.3		
Sample Description	Clear,colourless liquid.		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Colour	CU	BDL (1)	5(Max.)	15(Max.)	IS 3025 (Part 4) Cl 2.0
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
3	pH @ 25°C	-	7.15	6.5-8.5	No relaxation	IS 3025 (Part 11)
4	Turbidity	NTU	BDL (0.1)	1	5	IS 3025 (Part 10)
5	Total Dissolved Solids	mg/l	358	500(Max.)	2000(Max.)	IS 3025 (Part 16)
6	Calcium as Ca	mg/l	50	75(Max.)	200(Max.)	IS 3025 (Part 40)
7	Chloride as Cl	mg/l	13	250(Max.)	1000(Max.)	IS 3025 (Part 32)
8	Fluoride as F	mg/l	0.25	1.0(Max.)	1.5(Max.)	IS 3025 (Part 60)
9	Iron as Fe	mg/l	0.019	1.0(Max.)	No Relaxation	USEPA 3015A
10	Magnesium as Mg	mg/l	26	30(Max.)	100(Max.)	IS 3025 (Part 46)

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological

EL-FMT-7.8.2-W

Page No.1/3

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 contact@ecoparyavaran.org | md@ecoparyavaran.org www.ecoparyavaran.org

TEST REPORT



ULR No : NA

Test Report No : NGWL080325NA036

Type of Sample : Water- Ground Water

11	Nitrate as NO3	mg/l	9.2	45(Max.)	No Relaxation	IS 3025 (Part 34) -Cl 3.3 Chromotropic Acid Method
12	Sulphate as SO4	mg/l	36	200(Max.)	400(Max.)	IS 3025 (Part 24) Cl 4.0
13	Copper as Cu	mg/l	BDL (0.001)	0.05(Max.)	1.5(Max.)	USEPA 3015A
14	Total Alkalinity as CaCO3	mg/l	311	200(Max.)	600(Max.)	IS 3025 (Part 23)
15	Total Hardness as CaCO3	mg/l	231	200(Max.)	600(Max.)	IS 3025 (Part 21)
16	Zinc as Zn	mg/l	0.006	5.0(Max.)	15(Max.)	USEPA 3015A
17	Chromium as Cr	mg/l	BDL (0.001)	0.05(Max.)	No relaxation	USEPA 3015A
18	Cyanide as CN	mg/l	BDL (0.02)	0.05(Max.)	No relaxation	IS 3025 (Part 27)
19	Lead as Pb	mg/l	BDL (0.001)	0.01(Max.)	No relaxation	USEPA 3015A
20	Cadmium as Cd	mg/l	BDL (0.001)	0.003(Max.)	No relaxation	USEPA 3015A

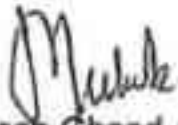
3. Biological Testing

III. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Total Coliform	Present or Absent/10 0ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185
2	E.coli.	Present or Absent/10 0ml	Absent	shall not be detectable in any 100 ml sample	-	IS 15185

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical


Ms. Lata Thakur
Authorized Signatory - Biological

TEST REPORT



ULR No : NA

Test Report No : NGWL080325NA036

Type of Sample : Water- Ground Water

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological





TEST REPORT

ULR No : NA		Test Report No : NGWL080325NA036/A	
Type of Sample : Water- Ground Water			
Reference Type : Work Order No		Reference No : 4900004844 Dt: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	08/03/2025 - 08/03/2025
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Receipt of Sample	08/03/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Ravinder Singh	Period of Analysis	08/03/2025 - 19/03/2025
Testing Location	Permanent Facility	Date of reporting	19/03/2025
Sampling Location	Borewell No.3		
Sample Description	Clear,colourless liquid.		
Standard/Specifications	IS 10500 : 2021		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre, Glass Bottles-2x1litre+500ml & PE Bottles-2x500ml		

RESULTS

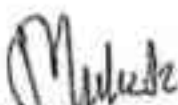
1. Chemical Testing

I. Water (Water- Ground Water)

Sr.No	Test Parameter	Unit	Result	Acceptable Limit	Permissible Limit in Absence of Alternate Source	Test Method
1	Potassium as K	mg/l	8.6	-	-	IS 3025 (Part 45)

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical


Ms. Lata Thakur
Authorized Signatory - Biological



EL-FMT-7.8.2-W

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TEST REPORT

ULR No : NA

Test Report No : NGWL080325NA036/A

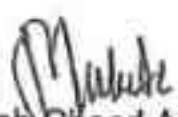
Type of Sample : Water- Ground Water

OTHER INFORMATION

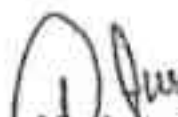
Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-W


Ms. Lata Thakur
Authorized Signatory - Biological





PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh
Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R21LDH1979056

Application No : 19930252

To,

Shailendra K Jain
Aditya Birla Centre, Sk Ahire Marg Worli, Mumbai
Mumbai, Mumbai-400030

Subject: Extension in the validity of Consent to Establish granted to the industry under the Water Act, 1974 and Air Act, 1981.

1. Particulars of Consent to Establish (NOC) for Extension granted to the Industry

Certificate No.	CTE/Ext/LDH1/2022/19930252
Date of issue :	23/11/2022
Date of expiry :	01/12/2024
Certificate Type :	Extension
Previous CTE/CTO No. & Validity :	CTE/Fresh/LDH1/2021/17217879 From: 03/12/2021 To: 02/12/2022

2. Particulars of the Industry

Name & Designation of the Applicant	Manoj Singh, (Senior Gm)
Address of Industrial premises	Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-ludhiana, Punjab, Ludhiana East, Ludhiana 1-141112
Category of Industry	Red
Type of Industry	1021-Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)
Scale of the Industry	Large
Office District	Ludhiana I

"This is computer generated document from OCMMS by PPCB"

Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-ludhiana, Punjab, Ludhiana East, Ludhiana I, 141112

Page1

In pursuance of the request made by the project proponent vide online application no. 19930252, the validity of Consent to Establish already granted to the project proponent vide no. CTE/Fresh/LDH1/2021/17217879 dated 03.12.2021, which was valid up to 02.12.2022, under the Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981, is, hereby, further extended up to 01/12/2024, subject to the same terms & conditions mentioned therein, and the following additional condition that:

1. The industry shall comply with the terms & conditions of the Environment Clearance granted to it vide no. SEIAA/PB/IND/2021/EC/22 dated 19/01/2022 by the competent authority, in toto.

This letter shall be appended with the CTE issued to the project proponent vide no. CTE/Fresh/LDH1/2021/17217879 dated 03.12.2021 and its subsequent extension(s), if any.



23/11/2022

(Kamal Singla)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-1, Ludhiana.

2. Environmental Engineer, Regional Office -1, Ludhiana is requested to ensure that application of the industry for consent to operate may be processed in future, keeping in consideration the holistic compliance of Environment Clearance to be made by the industry.



23/11/2022

(Kamal Singla)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"

Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-Ludhiana, Punjab, Ludhiana East, Ludhiana 1, 141112

Page 2

Environment Management Plan Status as on 30.09.2025

Grasim Industries Limited, a flagship company of the global conglomerate Aditya Birla Group, ranks amongst the top publicly listed companies in India. M/s. Grasim Industries Limited has established the integrated paint manufacturing facility located at plot no. B1 and D 02(P) in Hi-Tech Valley, Village Dhanansu of Ludhiana District, State Punjab. Project has been accorded Environmental Clearance vide EC Identification No. EC22B023PB139111 Dated:19th January-22.

EMP no	EMP Name	EMP Activities	Mitigation & Action Plan	Timing	Current Status
10.1	Land use/Land cover	Site preparation- Clearance of vegetation/crop	Clearance of vegetation shall only be done on which construction is to take place. Topsoil will be stored separately and will be used for greenbelt within the site. Compensatory green cover development within site.	For the construction period	Complied
	Land use/Land cover	Construction activity- Excavation and filling of foundation	Excavated earth will be used for backfilling and care will be taken that natural drainage pattern remains unchanged	For the construction period	Complied
10.2	Air emission	Manufacturing process — pre-dispersion, dispersion, mixing & tinting, packing, etc.	Majority of powders will be through bulk handling systems, and these will be pneumatically conveyed into the disperser for further processing. The exhaust of bulk handling will have bag filters/dust collectors attached to control particulate matters. Bulk consumed liquids RMs will be stored in the storage tank, and they will be	At all times, during the operational phases	Complied

			pumped through pipeline using pump into the Mixers, Dispersers, Reactors and other process vessels.		
		Operation of DG	Adequate Stack Height	At all times, during the operational phases & construction phase	Adequate stack height provided as per CPCB guidelines
10.3	VOC emission during process	Manufacturing process	Close loop system	At all times, during the production process	Complied
10.4	Noise Measurement	Start-up and shutdown activities like operation of equipment for all the proposed plants	Periodic noise measurement from external NABL to be conducted. SOP's will be followed. Ear plugs and Earmuffs will be provided to workers wherever applicable.	During construction & production process	Periodically noise monitoring being conducted, and compliance assured
		Operation of D.G. Set & Blower	DG with acoustic enclosures will be provided. Ear plugs and Earmuffs will be provided	During construction & production process	DG acoustic enclosure provided, and noise monitoring of DG conducted periodically
10.5	Water Quality	Usage of Water	Water conservation plans shall be ensured such as recycling of the effluent	During construction & production	Complied

			through recycle and reuse process system. Flow meters shall be installed at each of raw water intake point. Care shall be taken to avoid leakage of water sources and it will be maintained by continuous monitoring by flow measurements.		
		Wastewater generation & Disposal	The effluent generation from the proposed unit shall be treated in proposed ETP and treated water shall be used for gardening, firefighting, washing and dust suppression. Flow meters shall be installed at inlet and outlet of the ETPs. Use of spill control measures, mechanical handling, PPE's shall be mandatory while handling the chemicals in ETP to avoid spillages	All times	Complied
10.6	Solid Hazardous Waste	& Storage, handing and disposal of hazardous waste	Hazardous waste shall be segregated at source and stored in hazardous waste storage area. Proper area shall be demarcated for the storage of hazardous waste facilitate with impervious flooring to avoid leakage problem.	All times	Complied
			Spill control mechanism shall be in place. PPEs shall be mandatory while handling the hazardous waste during loading &	All times	Complied

			unloading of wastes. Necessary membership shall be taken from the approved authority for safe disposal of hazardous waste.		
10.7	Land and Soil	Soil contamination due to storage, handling of Hazardous waste	The places where hazardous materials will be stored and handled will have RCC floor to avoid such contaminations.	During operation & Maintenance phase	Complied
10.8	Hydrogeology	Usage of Water	Rainwater Harvesting and reuse to reduce freshwater consumption	During production process	Being Complied
		Handling and storage of raw material and products	Groundwater Chemical testing of Monitoring well Pre & Post Monsoon i.e., May & Oct.)	During production process	Complied
		Rainwater harvesting structure based on annual rain fall number	Storm & roof water tank to be constructed with storage capacity of 9600 kl	During plant operation phase	Complied
10.9	Ecology and Biodiversity	Green belt development	Green belt to develop in 33% of plant area	During construction & production process	Green belt work in progress as per yearly plan

Grasim Industries Limited

Ludhiana Punjab

Corporate Environment Responsibility Plan & Status on 31st March 2025

Grasim Industries Limited are in the process of setting State of Art Integrated Paint Manufacturing Facility at Hitech Cycle Valley Ludhiana Punjab. In the process of the same we had filed application for EC and received the same vide Letter no. SEIAA/PB/IND/2021/EC/22 dated 19.01.2022. In compliance of above we have submitted our 4 Years Corporate Environment Responsibility (CER) Plan to SEIAA on 06.07.2022.

The Submitted CER Plan was approved by SEIAA on 17.08.2022 vide Letter SEIAA/MS/2022/368.

Status of CER Plan Activities as on 31st March 2025.

Sr No.	CER Planned Activities	Approved Budget (in Lac)	Expenditure (in Lacs) 31 st March	Status
1.	Establishing Nursery for Nurturing, Caring and Sharing of Native Trees Species and distributing sapling to nearby communities free of charge along with Plantation of Native Trees in Selected Areas	205	80.5	We have developed the model nursery near Plant Premises. 20000 Nos of Plants distributed in nearby and start plantation work on PSIEC link road areas.
2.	Donation of Environmental Books/Literature to Schools/Panchayat/Colleges	20	13.71	"Down to Earth" Magazine subscribed for 300 schools for a year (Sept to July-2025) 2100 Nos of Env Books distributed among schools
3.	Donation of Plastic Bottle Crusher to Railway Station/Bus Stands	50	50	We have already installed 09 PET bottle crusher machine in Ludhiana & nearby Places. Now we are installing 09 vending machine in Railway stations
4.	Distribution of Paper / Jute Bags to replace Plastic Bags	70	60	55K Nos of Jute Carry Bags distributed in nearby areas. Now we are distributing cloth bags by vending machine across Ludhiana, Markets, villages & nearby places.
5.	Distribution of Glass/ Metallic Bottles to replace Plastic Bottles	50	30.52	7500 Nos of Copper, SS & thermos steel Bottles distributed in nearby areas.
6.	Upgradation/Provision of Monitoring Lab/Van to PPCB - Ludhiana	85	74	Cheque of Rs. 49 lacs submitted to PPCB for Environment Lab. we have invested 74 Lacs for 03 Nos Mobile Lab vans

7	Setting a Virtual Corporate Interaction Lab (Innovation & sustainability solutions) in Guru Nanak Dev University	14	10.3	Setting a Virtual Corporate Interaction Lab (Innovation & sustainability solutions) in Guru Nanak Dev University work completed & handover
8.	Contribution to Tandrust Punjab Fund for Environmental Initiatives taken by Govt. of Punjab	91	91	Completed
9.	Provision of Solar Electrification / Water Heating in Schools, Police Stations, Panchayat Office, and Nearby Villages etc.	180	90.3	Solar electrification installed in nearby Schools, Hospital & offices .

Glimpses of CER Activities







PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh
Website:- www.ppcb.gov.in

INVEST
PUNJAB
BUSINESS FIRST

Office Dispatch No.: PBIP/I/661892/2023

Date: 12.10.2023

To

MANOJ SINGH
PLOT NOS. B-1, D-02 (P), HI-TECH VALLEY, VILLAGE DHANANSU, DISTRICT LUDHIANA, PUNJAB.
LUDHIANA, LUDHIANA-EAST - 141112

Subject:- Grant of 'Consent to Operate' an outlet u/s 25/26 of Water(Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the Industry:

PIN	210891528
Application No.:	2309109161
Date of Issue:	11-Oct-2023
Date of Expiry:	31-Mar-2026
Certificate Type:	Fresh
Certificate No:	CTOW/Fresh/PBIP/LDH-I/2023/2309109161

2. Particulars of the Industry:

Name & Designation of the Applicant:	Manoj Singh, (Authorized Signatory)
Name of Business Entity	Grasim Industries Limited
Name of the Project/Unit:	Grasim Industries Ltd.
Address of Project/Unit:	Plot nos. B-1, D-02 (P), Hi-Tech Valley, Village Dhanansu, District Ludhiana, Punjab. , Ludhiana-East , Ludhiana
Capital Investment of the Industry(in lakhs):	104163.9
Category of Industry:	Red
Type of Industry:	1021 - Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	Ludhiana-I
Consent Fee Details:	Rs. 2160500/- vide R. No. 359065967 dated 19.09.2023 under Water Act, 1974
Raw Materials (Name with quantity per day):	Pigment such as Rutile @ 60000 MT/Anm, Extenders such as clay calcium carbonate silica marble powder dolomite @ 120000 MT/Annum, Additives such as Natrosol HEC

	6000 MT/Anm, Solvent such as dipentene MCEE ten @ 3000 KL/Year, Monomers @ 60000 KL/Year and Polycol like glycol ammonia texanol 10000 KL/Year
Products (Name with quantity per day):	Water based paint @ 250000 KL/Year Emulsion @ 100000 KL/Year
By Products, if any (Name with quantity per day) :	—
Details of the machinery and processes:	As per application form.
Details of Effluent Treatment Plant:	Domestic Effluent @23.0 KLD - Sewage Treatment Plant (STP) of capacity 30 KLD. Trade Effluent @ 91.0 KLD - Effluent Treatment Plant (ETP) of capacity 150 KLD, followed by RO, MEE & Agitate Thin Film Evaporator, based on Zero Liquid discharge (ZLD) system
Mode of disposal of Effluent:	Treated domestic effluent @ 23 KLD - onto land for plantation/ gardening of green area within the premises of the project. Treated Trade Effluent @ 91 KLD - to be reused back as cooling water makeup & other process(es) within the premises of the unit (Zero Liquid Discharge).
Standard to be achieved under Water(Prevention & Control of Pollution) Act, 1974:	As prescribed by the CPCB/MoEF&CC/PPCB, from time to time.



Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

Endst. No.

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-I, Ludhiana.
2. Environmental Engineer, Regional Office-I, Ludhiana.

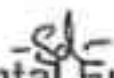
^{-3d-}
Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall confirm to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/recirculation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer,Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking Samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer,Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.

17. The industry shall provide online monitoring equipment for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.
23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-
 - (i) Once in Year for Small Scale Industries
 - (ii) Four in a Year for Large/Medium Scale Industries
 - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month
24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.
25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.
26. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse
28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.
30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
 - (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises

32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified
33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.
34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes
35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.
36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period
37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.
39. The industry shall ensure that the effluent discharged by it is toxicity free
40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
41. Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.
42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations; and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.
43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

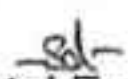

Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

B. SPECIAL CONDITIONS

1. This consent to operate has been granted for manufacturing of Water based paint @ 250000 KL/Year and Emulsion @ 100000 KL/Year, only.
2. The industry shall only manufacture the products and limit their quantities, for which it has been granted consent to operate from the Board. It shall not manufacture any other product without the prior written permission of the Board/ Competent Authority.
3. The industry shall not increase the production capacity of the unit beyond the quantities mentioned in the Environmental Clearance issued to it by SEIAA, Punjab without obtaining revised Environmental Clearance from the Competent Authority..
4. The industry shall comply with the conditions of Environmental Clearance granted to it by the SEIAA, Punjab, vide SEIAA/PB/IND/2021/EC/22 dated 19.01.2022, in true letter & spirit.
5. The industry shall always comply with guidelines issued by PPCB/CPCB for time to time.
6. The industry shall adopt & follow the Lead Free Paint Guidelines in true letter & spirit.
7. The adequacy and efficacy of the Effluent Treatment Plant (ETP), Sewage Treatment Plant (STP) and Multi Effect Evaporator (MEE) installed by the industry its premises, is the entire responsibility of the industry.
8. The industry shall adopt Zero Liquid Discharge (ZLD) system, at all times and use the entire quantity of treated trade effluent back into the process and shall not discharge the same within or outside its premises, under any circumstance. The industry shall maintain the record of the readings of the Flow meter provided at the re-circulation line, at all times.
9. The industry shall regularly operate & maintain its effluent treatment plant and the treated effluent shall be reused in the process in accordance with the water balance submitted by it.
10. The industry shall keep the record of freshwater consumed/ treated wastewater/ re-circulated water and treated water discharged onto land for plantation within and outside the industry on daily basis and shall submit the same to the Board on monthly basis.
11. The industry shall maintain adequate plantation area as well as permanent pipeline network for uniform distribution of wastewater in the entire plantation area, so that no stagnation of wastewater occurs inside, outside or in the plantation area at any time.
12. The industry shall not discharge any trade & domestic effluent (treated or untreated) into choc / drain /river or inland surface water at any time or any other unauthorized place by any unauthorized means and shall reuse the treated effluent in the process in accordance with the water balance submitted by it. Further, the industry shall stick to the water balance submitted by it.
13. The project proponent shall minimize the water consumption in the industrial plant complex by segregation of used water, practicing cascade use and by recycling treated water.
14. The industry shall comply with the guidelines issued by the PWRDA, from time to time.
15. The project proponent shall reuse water of the cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse
16. The project proponent shall undertake pre-monsoon and post monsoon monitoring of the Ground water for heavy metals in addition to routine parameters. At least 3 samples i.e. one from within the premises and two from outside the premises of the industry shall be taken.
17. The industry shall comply with the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
18. The industry shall comply with the provisions of Solid Waste Management Rules, 2016.
19. The industry shall comply with the provisions of the Plastic Waste Management Rules, 2016.
20. The industry shall obtain all the statutory approvals/clearances from the concerned departments.
21. This Consent is being issued to the industry based upon the documents/ information submitted by it

along with the online application form. The Board would be at liberty to take penal action against the industry and its responsible/ concerned person(s) in case information/document is detected as incorrect/false/misleading at any point of time, without any opportunity of Personal Hearing.

22. In case the industry fails to comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and/or any other environmental law applicable to the project and Rules, Circulars & Directions issued by the Board from time to time, action as deemed fit shall be taken against the industry.


Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

ANNEXURE - 1



PUNJAB POLLUTION CONTROL BOARD

Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh.

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R21LDH1979056

Application No : 17217879

To,

Ajith Kumar
Aditya Birla Centre, Sk Ahire Marg Worli, Mumbai
Mumbai, Mumbai-400030

Subject: Grant of "Consent to Establish"(NOC) for an industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining fresh 'Consent to Establish'(NOC) an industrial plant u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are, hereby, permitted to establish the industrial unit to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.

1. Particulars of Consent to Establish (NOC) granted to the Industry

Certificate No.	CTE/Fresh/LDH1/2021/17217879
Date of issue :	03/12/2021
Date of expiry :	02/12/2022
Certificate Type :	Fresh

2. Particulars of the Industry

Name & Designation of the Applicant	Piyush Shankarani, (Vice President)
Address of Industrial premises	Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-ludhiana, Punjab, Ludhiana East, Ludhiana I-141112
Capital Investment of the Industry	91000.0 lakhs
Category of Industry	Red
Type of Industry	1021-Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)
Scale of the Industry	Large
Office District	Ludhiana I
Consent Fee Details	Rs 5,66,500/- vide UTR No. HDFCR52021110375401499 dated 03/11/21

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Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-ludhiana, Punjab, Ludhiana East, Ludhiana I, 141112

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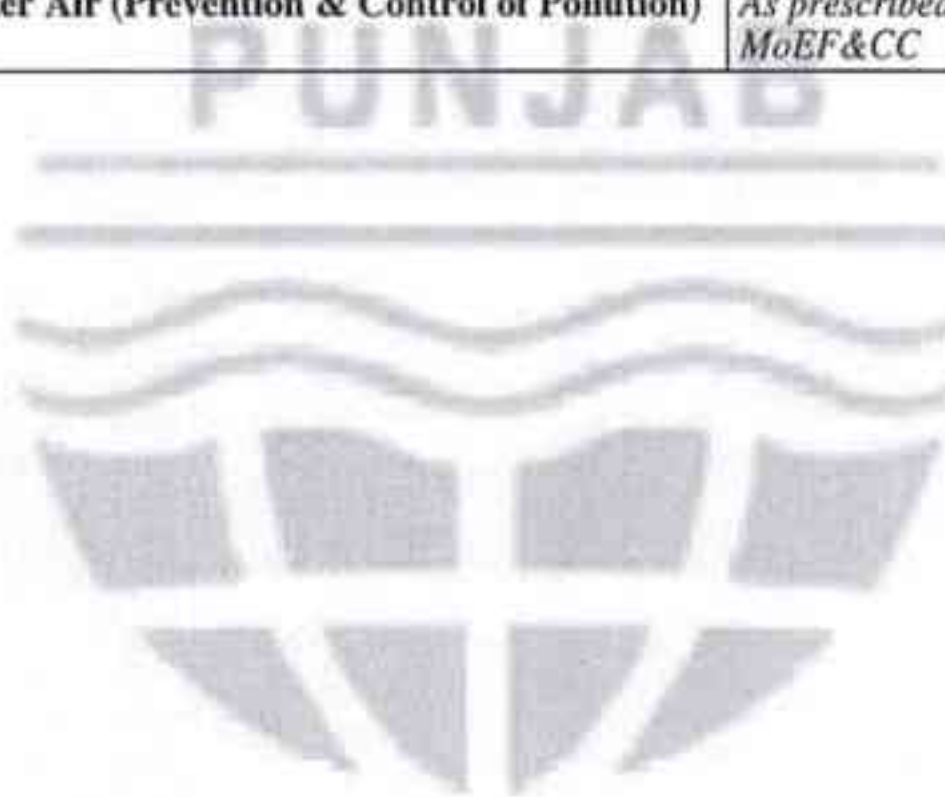
Raw Materials (Name with quantity per day)	Pigments such as Rutile (TiO₂) various grades, middle chrome, Redoxide, etc. @101250MT/Year Extenders such as China clay, Calcium carbonate, Silica, Marble powder, Dolomite, etc. @207500MT/Year Polyols such as Phthalic anhydride, Pentaerythritol, etc. @9720MT/Year Colored pigments such as Blue, Green, Lemon chrome, yellow oxide, carbon black, etc. @6000MT/Year Polyols such as Maleic anhydride, benzoic acid, sodium bicarbonate, etc. @1080MT/Year Additives such as Natrosol, Di-ammonium phosphate, sodium benzoate, Hydroxy ethyl cellulose, etc. @7313MT/Year Solvents such as Mineral turpentine, Xylene, Dipentene, MCEE 10, etc. @57600KL/Year Driers and additives such as Calcium octoate, Cobalt octoate, Ropaque Op60, Soya fatty acid, Indofil 850, etc. @70200KL/Year Monomers such as Methyl Methacrylate, 2-Ethyl hexyl acrylate, Butyl acrylate, Styrene, etc. @86400KL/Year Oils such as Raw linseed oil, Castor oil, Soybean oil, etc. @16200KL/Year Polyols such as Propylene glycol, Liquor ammonia, Texanol, etc. @8775KL/Year Driers and additives such as Nipacide DFX, Dapro, Neopon, Thorew paste, etc. @9360KL/Year Pigments such as Yellow fine paste, Blue fine paste, Red fine paste, etc. @2925KL/Year Polyols such as Morpholine, Benzyl alc, Glycerine, etc. @2340KL/Year Resin @540KL/Year Solvent MPA 60 @100KL/Year
Products (Name with quantity per day)	Water Based Paints @300000KL/Year Solvent Based Paints @60000KL/Year Emulsions @120000KL/Year Resins @40000KL/Year
By-Products, if any,(Name with quantity per day)	As per the application form.
Details of the machinery and processes	As per the application form.
Details of the Effluent Treatment Plant	Domestic Effluent @23.0 KLD - Sewage Treatment Plant (STP) of capacity 30 KLD. Trade Effluent @138.0 KLD - Effluent Treatment Plant (ETP) of capacity 150 KLD, followed by RO, MEE & Agitate Thin Film Evaporator, based on Zero Liquid discharge (ZLD) system
Mode of Disposal of Effluent	Treated domestic effluent @ 23 KLD - onto land for plantation/ gardening of green area within the premises of the project. Treated Trade Effluent @ 138 KLD - to be reused back as cooling water makeup & other process(es) within the premises of the unit (Zero Liquid Discharge).
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	As prescribed by the CPCB/Board/MoEF&CC

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Sources of emissions and type of pollutants	03 no. Boilers of capacity 2 TPH each & 1 Standby Boiler of capacity 2 TPH- SO_x, NO_x etc. 01 boiler of capacity 0.5 TPH - SO_x, NO_x etc. 02 no. thermic Fluid Heaters of capacity 20 lac Kcal each & 1 Standby thermic Fluid Heaters of capacity 20 lac Kcal- SO_x, NO_x, etc. 03 no. DG sets of capacity 2000 KVA each & 1 Standby DG set of capacity 2000 KVA- SO_x, NO_x etc. 01 no. DG set of capacity 1000 KVA & 1 Standby DG set of capacity 1000 KV - SO_x, NO_x etc. Water Based Block (02 no. stacks) - SPM & VOC. Solvent Based Block (02 no. stacks) - SPM & VOC. Resin Block (02 no. stacks) - SPM & VOC. Emulsion Block (02 no. stacks) - SPM & VOC. At bulk powder handling areas - SPM
Mode of disposal of emissions with stack height	03 no. Boilers of capacity 2 TPH each & 1 Standby Boiler of capacity 2 TPH - Separate Stack of height 30 m AGL. 01 boiler of capacity 0.5 TPH - Stack of height 30 m AGL. 02 no. thermic Fluid Heaters & 1 Standby thermic Fluid Heaters of capacity 20 lac Kcal- Separate Stack of height 30 m AGL. 03 no. DG sets of capacity 2000 KVA each & 1 Standby DG set of capacity 2000 KVA- Canopies and Separate Stacks of height 30 m AGL. 01 no. DG set of capacity 1000 KVA & 1 Standby DG set of capacity 1000 KVA- Canopies & Stack of height 30 m AGL. Water Based Block (02 no. stacks) - Stacks of height 3 m ARL. Solvent Based Block (02 no. stacks) - Stacks of height 3 m ARL. Resin Block (02 no. stacks) - Stacks of height 3 m ARL. Emulsion Block (02 no. stacks) - Stacks of height 3 m ARL. At bulk powder handling areas - Stacks of height 3 m ARL.
Quantity of fuel required in TPD	03 no. Boilers of capacity 2 TPH each & 1 Standby Boiler of capacity 2 TPH - HSD @ 2300 lt/day, for each boiler. 01 boiler of capacity 0.5 TPH - HSD @ 600 lt/day. 02 no. thermic Fluid Heaters & 1 Standby thermic Fluid Heaters of capacity 20 lac Kcal - HSD @ 2400 lt/day, for each heater. 03 no. DG sets of capacity 2000 KVA each & 1 Standby DG set of capacity 2000 KVA- HSD @ 1800 lt/day, for each DG set. 01 no. DG set of capacity 1000 KVA & 1 Standby DG set of capacity 1000 KVA- HSD @ 900 lt/day.

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Type of Air Pollution Control Devices to be installed	03 no. Boilers of capacity 2 TPH each & 1 Standby Boiler of capacity 2 TPH- Separate stacks of adequate height. 01 boiler of capacity 0.5 TPH - Separate stacks of adequate height. 02 no. thermic Fluid Heaters & 1 Standby thermic Fluid Heaters of capacity 20 lac Kcal- Separate stacks of adequate height. 03 no. DG sets of capacity 2000 KVA each & 1 Standby DG set of capacity 2000 KVA- Separate stacks of adequate height. 01 no. DG set of capacity 1000 KVA & 1 Standby DG set of capacity 1000 KVA- Separate stacks of adequate height. Water Based Block (02 no. stacks) - Wet scrubber, carbon bed and fume extraction system alongwith stacks. Solvent Based Block (02 no. stacks) - Wet scrubber, carbon bed and fume extraction system alongwith stacks. Resin Block (02 no. stacks) - Wet scrubber, carbon bed and fume extraction system alongwith stacks. Emulsion Block (02 no. stacks) - Wet scrubber, carbon bed and fume extraction system alongwith stacks. At bulk powder handling areas - Dust collector as APCD
Standars to be achieved under Air (Prevention & Control of Pollution) Act, 1981	As prescribed by the CPCB/Board/ MoEF&CC



03/12/2021

(Guncet Sethi)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-1, Ludhiana.
2. Environmental Engineer, Regional Office-1, Ludhiana.

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Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-Ludhiana, Punjab, Ludhiana East, Ludhiana 1, 141112

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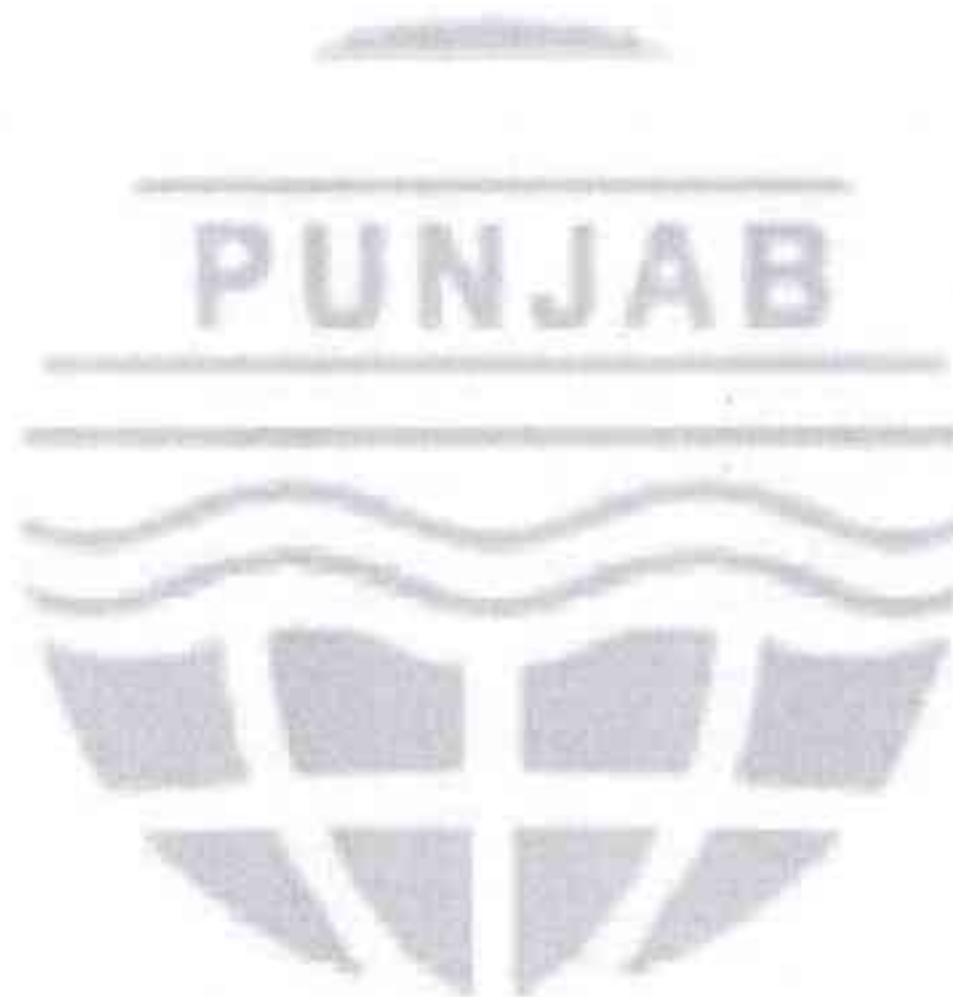
03/12/2021

(Guneet Sethi)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)



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Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-Ludhiana, Punjab, Ludhiana East, Ludhiana 1, 141112

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A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate.
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine upstream, downstream distance:-
$$D_e = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.
 - ii) The sampling port shall be 7 to 10 cm in diameter
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ Where Q_g = Quantity of SO ₂ in Kg/hr. Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

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Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
11. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
 - (i) Once in Year for Small Scale Industries.
 - (ii) Four in a Year for Large/Medium Scale Industries.
 - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
12. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.
13. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
 - (i) Once in Year for Small Scale Industries.
 - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
14. The pollution control devices shall be interlocked with the manufacturing process of the industry.
15. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
16. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.
17. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
18. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
19. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
20. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
 - (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
21. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

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22. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
23. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
24. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
25. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
26. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.
27. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified
28. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water.
29. The industry shall submit a detailed plan showing therein, the distribution system for conveying waste-waters for application on land for irrigation along with the crop pattern to be adopted throughout the year.
30. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
31. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.
32. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
33. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.
34. The industry shall maintain the following record to the satisfaction of the Board :-
 - (i) Log books for running of air pollution control devices or pumps/motors used for it.
 - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
 - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
35. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.
36. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.
37. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry



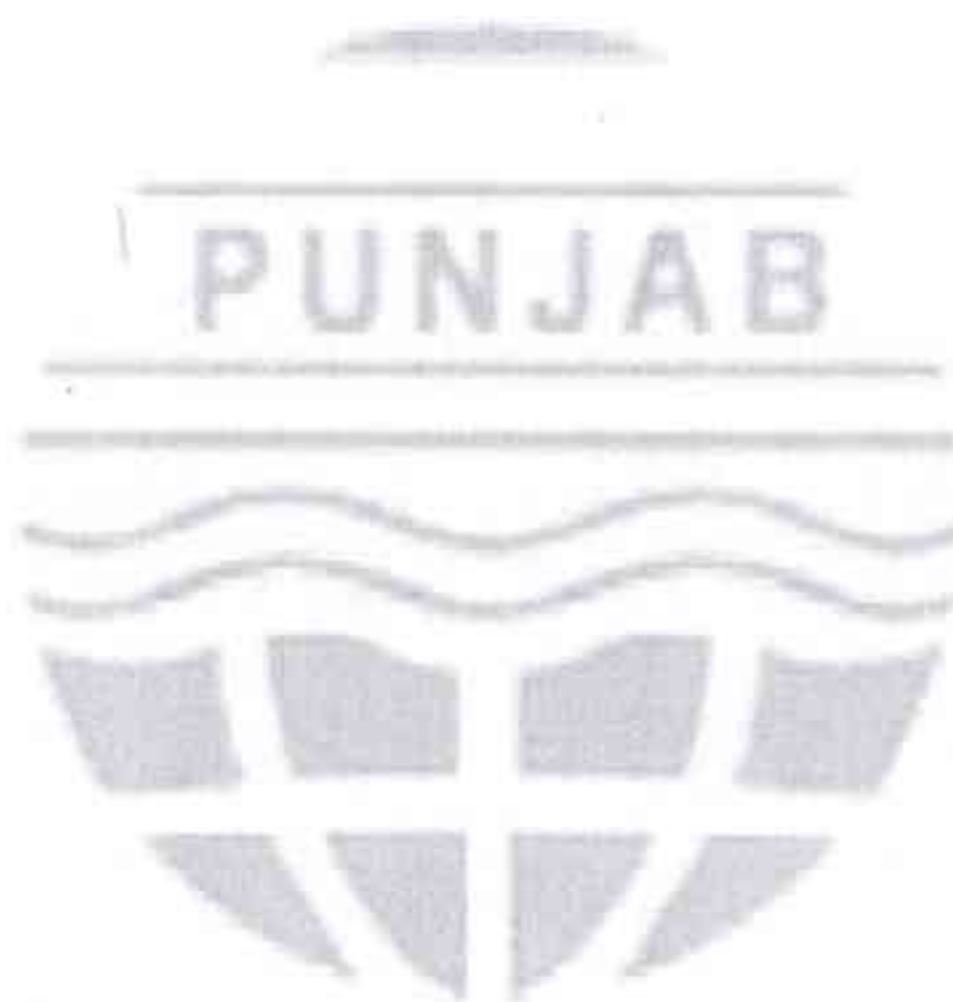
03/12/2021

(Guneet Sethi)
Environmental Engineer
For & on behalf
of

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B. SPECIAL CONDITIONS

1. The industry shall not start any construction at the site, without obtaining Environmental Clearance required under the ambit of EIA notification dated 14/09/2006.
2. The industry shall be bound to obtain revised Consent to Establish, in case there is any deviation in details mentioned in this consent from Environment Clearance to be obtained by the industry.
3. The industry shall ensure Zero Liquid discharge (ZLD) technology and shall reuse the entire quantity of treated domestic & trade effluent, within the premises of the unit.
4. The industry shall not discharge any effluent outside its premises, in any case.
5. The industry shall obtain permission from PWRDA and shall comply with the guidelines issued by it, from time to time.
6. The industry shall comply with the provisions of the Solid Waste Management Rules, 2016.
7. The industry shall comply with the provisions of the E- Waste Management Rules, 2016.
8. The industry shall comply with the provisions of the Batteries (Management and Handling) Rules, 2001.
9. The industry shall follow the Lead Free Paint Guidelines, as issued by the Competent Authorities, from time to time.
10. The industry shall not emit black smoke at any point of time, under any circumstance.
11. The industry shall ensure that the activities of unit does not create any nuisance in the surrounding areas and no public complaints are received
12. The Consent is being issued to the industry based upon the documents/ information submitted by it alongwith the online application form. The Board would be at liberty to take penal action against the industry and its responsible/ concerned person(s) in case information/document is detected as incorrect/false/misleading at any point of time.
13. In case the industry fails to comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and/or any other environmental law applicable to the project and Rules, Circulars & Directions issued by the Board from time to time, action as deemed fit shall be taken against the industry.



03/12/2021

(Guneet Sethi)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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Grasim Industries Limited, Plot Nos. B-1, D-02 (p), Hi-tech Valley, Village Dhanansu, District-Ludhiana, Punjab, Ludhiana East, Ludhiana 1, 141112

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PUNJAB POLLUTION CONTROL BOARD

Regional Office-1, Focal Point, Phase-5, Ludhiana

Website:- www.ppcb.gov.in



Office Dispatch No :

Registered/Speed Post

Date:

Registration ID: R21LDH1979056

Application No : 24226798

To,

Harikrishna Agarwal,
Aditya Birla Centre, SK Ahire Marg Worli, Mumbai
Ludhiana east, Ludhiana i, 400030

Subject: Authorization under Bio-Medical Waste Management Rules, 2016 framed under Environment (Protection) Act, 1986 for [Generation, Storage] of Bio-Medical Waste.

With reference to your application for obtaining Authorization under Bio-Medical Waste Management Rules, 2016 framed under Environment (Protection) Act, 1986, you are, hereby authorized for handling/ managing Bio-Medical Waste under Bio-Medical Waste Management Rules, 2016 as per the details specified in this authorization.

1. Particulars of Applicant (Occupier/Operator)

Name of Applicant (Occupier/Operator)	Harikrishna Agarwal
Designation :	Occupier
Correspondent Address :	Harikrishna Agarwal, Aditya Birla Centre, SK Ahire Marg Worli, Mumbai Ludhiana east, Ludhiana i, 400030
Mobile Number :	8979214555
Landline Number :	-
Fax Number :	-
Email-ID :	sandeep.sengar@adityabirla.com

2. Particulars of HCF/CBWTF

Name of HCF/CBWTF	Grasim industries limited
Address of HCF/CBWTF premises	Grasim industries limited Plot nos. b-1, d-02 (p), hi-tech valley, village dhanansu, district-ludhiana, punjab
Mobile Number :	8979214555
Facility Type and Subtype	HCF (Non-bedded-Any-Other(Non-Bedded))
Ownership	Public Limited Company
Number of Beds/Dental Chairs (for HCF)	0
No. of HCF covered(for CBWTFs)	-
No. of Beds covered	-
No of Beds	0
Area and Distance Covered by CBWTF	-

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Grasim industries limited, Plot nos. b-1, d-02 (p), hi-tech valley, village dhanansu, district-ludhiana, punjab, Ludhiana, Ludhiana i, 141112

Page No.: 1

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This authorization is issued for _____ number of beds. For any increase in number of beds, the applicant shall obtain prior permission of the Board.
2. The Medical Institution / Health Care Facility shall apply for the renewal of authorization at least 2 months before the expiry of this authorization.
3. The Medical Institution / Health Care Facility shall comply with the provisions of the Environment (Protection) Act, 1986 as amended from time to time and the rules made there under.
4. The authorization and all relevant records shall be produced for inspection on the request of an officer of prescribed authority.
5. The HCF shall take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules;
6. The HCF shall make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I.
7. The HCF shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through autoclaving/microwaving and then sent to the common bio-medical waste treatment facility for final disposal. The HCF shall maintain a logbook of operation of Autoclave.
8. The HCF shall phase out use of chlorinated plastic bags, gloves and blood bags as mentioned in the Rules;
9. In case the HCF purchase color coded bag from open market, it shall get the testing certificate from CIPET Lab, Amritsar regarding absence of chlorinated material in it. However, if it is procured from CBWTF operator, the HCF shall obtain the test certificate from CBWTF operator.
10. The HCF shall dispose of general waste other than bio-medical waste in green bin.
11. The HCF shall not dispose bio-medical waste with municipal solid waste;
12. The HCF shall provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report;
13. The HCF shall immunise all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunisation Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time;
14. The HCF shall ensure occupational safety of all its health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipments;
15. The HCF shall conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio- medical waste and maintain the records for the same;
16. The HCF shall ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralisation prior to mixing with other effluent generated from health care facilities;
17. The HCF shall ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).
18. The HCF shall obtain consents under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.
19. The HCF shall maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I. All the record shall be subject to inspection and verification by the Prescribed Authority /authorized person at any time. The record shall be maintained for a period of 5 years.
20. The HCF shall report major accidents including accidents caused by fire hazards, blasts during handling of biomedical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority within 24 hours and also along with the annual report;

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Grasim industries limited, Plot nos. b-1, d-02 (p), hi-tech valley, village dhanansu, district-ludhiana, punjab, Ludhiana-141112

Page No.:- 3

21. The HCF shall submit Annual Report in Form-IV as per Rule 13 by 30th June every year to the Board. The HCF shall make available the annual report on its web-site and all the health care facilities shall make own website within two years w.e.f 28.03.2016.
22. The HCF shall ensure that Untreated human anatomical waste, animal anatomical waste, soiled waste and, biotechnology waste shall not be stored beyond a period of forty 1½eight hours: Provided that in case for any reason it becomes necessary to store such waste beyond such a period, the occupier shall take appropriate measures to ensure that the waste does not adversely affect human health and the environment and inform the prescribed authority along with the reasons for doing so.
23. The HCF shall inform the prescribed authority immediately in case the operator of a facility does not collect the bio-medical waste within the intended time or as per the agreed time;
24. The HCF shall establish a system to review and monitor the activities related to bio-medical waste management, either through an existing committee or by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority and the healthcare establishments having less than thirty beds shall designate a qualified person to review and monitor the activities relating to bio-medical waste management within that establishment and submit the annual report;
25. The occupier of the HCF shall maintain proper housekeeping in the premises where the bio-medical wastes are handled.
26. The HCF is required to set up system/equipments for requisite segregation, collection, storage and pre-treatment of bio-medical waste in conformance to the provisions of Bio-Medical Waste (Management) Rules, 2016.
27. The Containers/ Bags used for segregation and disposal of waste shall be labeled in accordance with schedule- IV (Part-A).
28. The HCF shall segregate the bio-medical waste collected in the container bags at the point of generation in accordance with Schedule-I prior to storage, transportation, treatment and disposal.
29. The HCF shall hand-over segregated waste as per Schedule-I to common bio-medical waste treatment facility for treatment, processing and final disposal.
30. The HCF shall paste Bar-Code Stickers on respective color coded bags, puncture proof containers and cardboard box before disposal to CBWTF.
31. The HCF shall ensure treatment and disposal of waste in accordance with Schedule I and in compliance with the standards provided in Schedule-II.
32. The HCF shall phase-out use of mercury based instruments. The handling and disposal of all mercury waste and lead waste shall be in accordance with the respective rules and regulations.
33. The occupier of the HCF will be liable for action under section 5 and section 15 of the Environment (Protection) Act, 1986, in case of any violation.
34. The HCF shall comply with the standards and specifications as per Bio-Medical Waste Management Rules, 2016.
35. The HCF shall give its bio-medical waste only to the authorized area common bio-medical waste treatment facility who has valid authorization of the prescribed authority.
36. The HCF will have to make its own arrangement afresh in case the authorization of the common facility to whom it has entered a MOU is revoked, by the Prescribed Authority.
37. The occupier of the HCF shall not change or alter either the quality or the quantity or the rate of discharge of liquid/emission or temperature or the route of discharge without prior written permission from the Board.
38. The occupier of the HCF, its heirs, legal representatives etc., shall have no claim whatsoever to the continuation or renewal of this authorization after the expiry of the authorization.
39. The authorized person shall intimate Board prior to closing down the facility.
40. The HCF shall not rent, sell, transfer or otherwise transport the bio-medical waste without prior permission from the Board.
41. Any unauthorized change in personnel/equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
42. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of the authorization without any prior notice.

B. SPECIAL CONDITIONS

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Grasim industries limited, Plot nos. b-1, d-02 (p), hi-tech valley, village dhanansu, district-ludhiana, punjab, Ludhiana, Ludhiana 141112

Page No.- 4

26/12/23

30/12/2023

(Kanwaldeep Kaur)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)



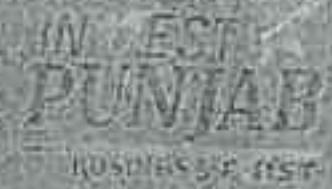
"This is computer generated document from OCMMS by PPCB"

Grazim industries limited, Plot nos. b-1, d-02 (p), hi-tech valley, village dhanansu, district-ludhiana, punjab, Ludhiana, Ludhiana 141112

Page No.:- 5



PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh
Website:- www.ppcb.gov.in



Office Dispatch No.: PBIP/PPCB/2024/1624

Date: 20-09-2024.

✓ To

MANOJ SINGH
PLOT NOS. B-1, D-02 (P), HI-TECH VALLEY, VILLAGE DHANANSU, DISTRICT LUDHIANA, PUNJAB.
LUDHIANA, LUDHIANA-EAST - 141112

Subject:- Fresh Authorization for operating a facility for 'collection, Generation, Storage, Transportation, Reception, Treatment, Disposal' of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Manoj Singh Plot B-1, D-02(P), Hi-Tech Valley is hereby granted an authorisation based on the enclosed signed inspection report for Collection, Generation, Storage, Transportation, Treatment, Disposal, on the premises situated at Ludhiana-East, Ludhiana, 141112

1. Particulars of Authorization granted to the Industry:

PIN	210891528
Application No.:	2407944026
Date of Issue:	20-Sept-2024
Date of Expiry:	31-Mar-2026
Authorization No:	HWM/Auth/PBIP/LDH-I/2407944026
Previous Authorization Date of Issue:	9-Nov-2023
Previous Authorization Date of Expiry:	31-Mar-2026
Certificate Type:	Fresh

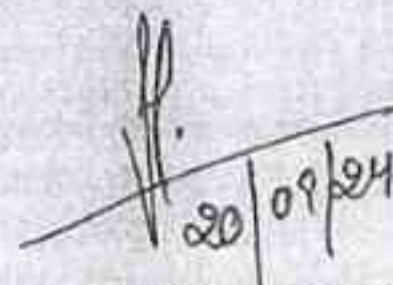
2. Particulars of the Industry:

Name & Designation of the Applicant:	Manoj Singh, (Plant Head)
Name of Business Entity	Grasim Industries Limited
Name of the Project/Unit:	Grasim Industries Limited
Address of Project/Unit:	Plot B-1, D-02(P), Hi-Tech Valley , Ludhiana-East , Ludhiana
Capital Investment of the Industry(in lakhs):	104163.91
Category of Industry:	Red
Type of Industry:	1021 - Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	Ludhiana-I

3. Particulars of Wastes:

Category of Hazardous Waste as per the schedule I,II and III of these rules:	Schedule1 3.1-Cargo residue, washing water and sludge containing oil 8 T, Schedule1 3.3-Sludge and filters contaminated with oil 5 T, Schedule1 5.1-Used or spent oil 10 T, Schedule1 20.1-Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse 20 T, Schedule1 20.3-Distillation residues 9 T, Schedule1 21.1-Process wastes, residues and sludges 90 T, Schedule1 23.1-Wastes or residues (not made with vegetable or animal materials) 68 T, Schedule1 33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes 19 T, Schedule1 33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes 80 T, Schedule1 35.1-Exhaust Air or Gas cleaning residue 4 T, Schedule1 35.2-Spent ion exchange resin containing toxic metals 8 T, Schedule1 35.3-Chemical sludge from waste water treatment 353 T, Schedule1 35.4-Oil and grease skimming 10 T, Schedule1 36.2-Spent carbon or filter medium 7.5 T, Schedule1 33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes 60000 Number,
Authorization mode of disposal or recycling or utilisation or co-processing etc:	Generation, Storage, Disposal,

4. The Authorisation is Subject to the general and specific conditions as appended with the Authorization

 20/09/24

Senior Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

Endst. No.

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-I, Ludhiana.
2. Environmental, Engineer, Regional Office-I, Ludhiana.

- sd -

Senior Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

A. GENERAL CONDITIONS

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



Senior Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

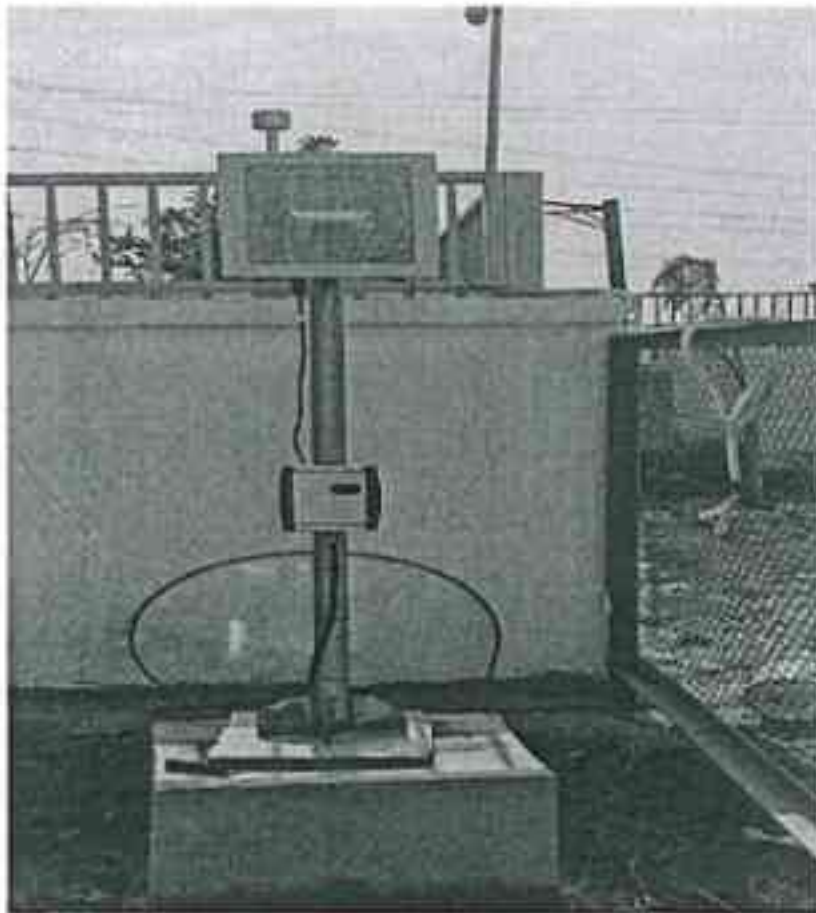
B. SPECIAL CONDITIONS

1. This authorization under Hazardous Wastes (Management Handling & Transboundary Movement) Rules, 2016 is granted in supersession to the earlier authorization issued vide no. HWM/Auth/PBIP/LDH-1/2310778832 dated 09.11.2023.
2. The industry shall not generate/ store/ collect/ dispose any other category of hazardous waste from its premise, except the category of hazardous waste(s) for which it has been granted this authorization under the HWM Rules, 2016.
3. The industry shall comply with the conditions of Environmental Clearance granted to it by the SELAA, Punjab, vide SEIAA/PB/IND/2021/EC/22 dated 19.01.2022, in true letter & spirit.
4. The industry shall always comply with guidelines issued by PPCB/CPCB for time to time.
5. The industry shall adopt & follow the Lead Free Paint Guidelines in true letter & spirit.
6. The industry shall ensure compliance of SOP issued by CPCB for spent solvent recovery (as & when solvent recovery plant installed with permission from the Board).
7. The industry shall dispose of its hazardous waste category 5.1 & 33.1 to the authorized unit / recycler utilizer and remaining categories of hazardous waste shall be lifted either to TSDF or to pre-processor/ co-processor having valid Registration Certificate cum-Pass Book from Punjab Pollution Control Board / Central Pollution Control Board and valid authorization of the State Board under the said Rules and 'consents to operate' under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 and authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, under proper manifest and shall maintain proper record in this regard, at all times.
8. The industry shall store its hazardous wastes generated from different manufacturing activities/ otherwise, within its premises in an environmentally sound manner as per provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
9. The industry shall ensure regular lifting of hazardous waste and also ensure that the quantity of hazardous waste generated per year shall not be stored beyond 90 days (extendable up to 180 days) in its premises at any time.
10. The industry shall handle the hazardous waste(s) strictly in accordance with the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and guidelines issued by Central Pollution Control Board/ Ministry of Environment & Forests and Climate Change, New Delhi.
11. In case the industry fails to comply with the above conditions of authorization as well as provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and/or any other environmental law applicable to the industry and Rules, Circulars & Directions issued by the Board from time to time, the Board shall constrain to take action against the industry under the provisions of the Pollution Control Laws.

- 84 -

Senior Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

AMBIENT AIR MONITORING STATION MONITORING OF PM 2.5, PM 10, SO_x and NO_x



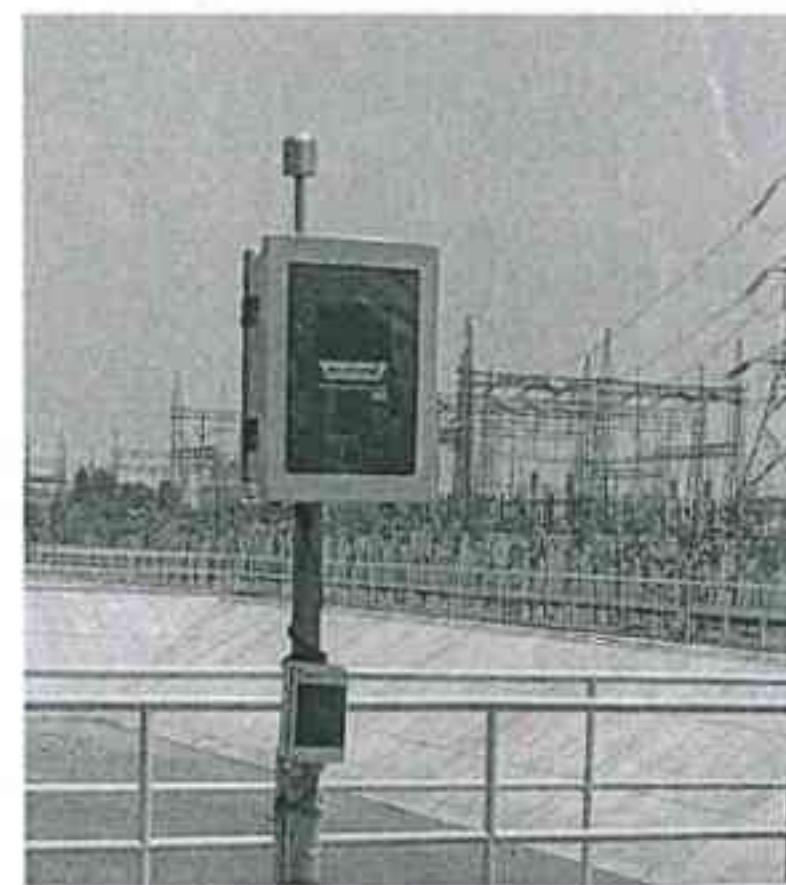
Located near Gate no 1



Located at ETP



Located at PMG



Located near Storm Tank



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NAAL240325NA048	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near ETP	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	86	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	48	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	13	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	31	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	27	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	15	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.69	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2 -AA

Page No.1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT



ULR No : NA

Test Report No : NAAL240325NA048

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA048/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near ETP	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	BDL (5)	5(max.)	IS 5182 (Part 11)

Remarks : NA

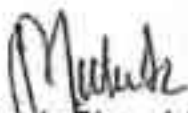
End of Report

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

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- Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
- The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
- Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
- The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
- All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
- In case where sample is provided by the customer, the reported results shall apply to the sample as received.


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-AA

Page No.1/1

TEST REPORT



TC-11B1B

ULR No : NA		Test Report No : NAAL240325NA049	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	RMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	93	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	51	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	11	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	33	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	27	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	15	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.88	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-AA

Page No.1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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TEST REPORT



ULR No : NA

Test Report No : NAAL240325NA049

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA049/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	RMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	BDL (5)	5(max.)	IS 5182 (Part 11)

Remarks : NA

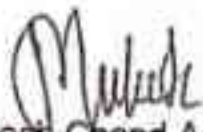
End of Report

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

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TEST REPORT



ULR No : NA		Test Report No : NAAL240325NA050	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	PMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

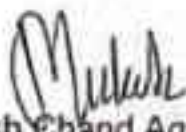
1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	88	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	49	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	14	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	32	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	19	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	19	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.85	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report


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Page No. 1/2

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TEST REPORT



ULR No : NA

Test Report No : NAAL240325NA050

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA050/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	PMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	BDL (5)	5(max.)	IS 5182 (Part 11)

Remarks : NA

End of Report

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NAAL240325NA051	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near Main Gate	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test-Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	94	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	51	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	13	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	34	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	26	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	17	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.73	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
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TEST REPORT



ULR No : NA

Test Report No : NAAL240325NA051

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA051/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near Main Gate	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	BDL (5)	5(max.)	IS 5182 (Part 11)

Remarks : NA

End of Report

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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA054/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near ETP	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	4.956	5(max.)	IS 5182 (Part 11)
2	Toulene	ppm	3.1007	Not Specified	EL-QTM-28
3	Xylene	ppm	1.898	Not Specified	EL-QTM-28
4	Total Volatile Organic Compounds	ppm	11.568	Not Specified	EL-QTM-28

Remarks : NA

End of Report

OTHER INFORMATION

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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA055/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near Main Gate	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	3.926	5(max.)	IS 5182 (Part 11)
2	Toulene	ppm	2.629	Not Specified	EL-QTM-28
3	Xylene	ppm	2.271	Not Specified	EL-QTM-28
4	Total Volatile Organic Compounds	ppm	9.072	Not Specified	EL-QTM-28

Remarks : NA

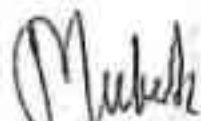
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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA056/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	RMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	4.098	5(max.)	IS 5182 (Part 11)
2	Toulene	ppm	2.176	Not Specified	EL-QTM-28
3	Xylene	ppm	1.871	Not Specified	EL-QTM-28
4	Total Volatile Organic Compounds	ppm	8.127	Not Specified	EL-QTM-28

Remarks : NA

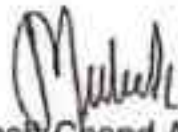
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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA057/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	PMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	2.887	5(max.)	IS 5182 (Part 11)
2	Toulene	ppm	2.509	Not Specified	EL-QTM-28
3	Xylene	ppm	2.168	Not Specified	EL-QTM-28
4	Total Volatile Organic Compounds	ppm	8.572	Not Specified	EL-QTM-28

Remarks : NA

End of Report

OTHER INFORMATION

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA		Test Report No : NAAL240325NA048	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near ETP	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	86	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	48	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	13	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	31	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	27	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	15	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.69	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

EL-FMT-7.8.2-AA

Page No.1/2

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TEST REPORT



ULR No : NA

Test Report No : NAAL240325NA048

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

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Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical



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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA048/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	19/03/2025 - 20/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	Near ETP	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	BDL (5)	5(max.)	IS 5182 (Part 11)

Remarks : NA

End of Report

OTHER INFORMATION

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NAAL240325NA049	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844DL: 29/04/2024	
Customer	Grasim Industries Ltd, (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	RMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	93	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	51	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	11	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	33	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	27	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	15	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.88	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No.: NA

Test Report No : NAAL240325NA049

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

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Mr. Mukesh Chand Agarwal
Authorized Signatory, Chemical



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TEST REPORT

ULR No : NA		Test Report No : NAAL240325NA049/A	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	RMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Benzene	µg/m3	BDL (5)	5(max.)	IS 5182 (Part 11)

Remarks : NA

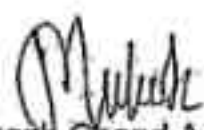
End of Report

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Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA		Test Report No : NAAL240325NA050	
Type of Sample : Ambient Air		Date of reporting : 29/03/2025	
Reference Type : Work Order No		Reference No : 4900004844Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Bhajanpreet Singh
Period of Sampling	20/03/2025 - 21/03/2025	Date of Receipt of Sample	24/03/2025
Sampling Location	PMG Area	Period of Analysis	24/03/2025 - 29/03/2025
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	88	100(max.)	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	49	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	14	80(max.)	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	32	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	19	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	19	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.85	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL (0.04)	1.0(max.)	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA

End of Report


Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA

Test Report No : NAAL240325NA050

Type of Sample : Ambient Air

Date of reporting : 29/03/2025

OTHER INFORMATION

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Mr. Mukesh Chand Agarwal
Authorized Signatory - Chemical





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TEST REPORT



ULR No : TC118182500000463F		Test Report No : NSWL100125NA052	
Type of Sample : Sewage		Date of reporting : 20/01/2025	
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab	Period of Sampling	10/01/2025 - 10/01/2025
Sampling Protocol	IS17614 (Part-1)EL-MSP-7.3	Date of Receipt of Sample	10/01/2025
Sample Collection Mode	Sample collected by Laboratory Mr. Prabhjot	Period of Analysis	10/01/2025 - 20/01/2025
Testing Location	Permanent Facility	Date of reporting	20/01/2025
Sampling Location	STP Outlet		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specifications	Sewage- STP other than Metro Cities G.S.R. 1265 (E)		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre (G/10/01A),Glass Bottle-1litre (G/10/01B), Glass Bottle-1litre (G/10/01C) & Glass Bottle-500ml (G/10/01D)		

RESULTS

1. Chemical Testing

I. Pollution & Environment (Sewage)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	pH @ 25°C	-	7.10	6.5-9.0	IS 3025 (Part 11)
2	Total Dissolved Solids	mg/l	881	Not Specified	IS 3025 (Part 16)
3	Total Suspended Solids	mg/l	12	<100(Max.)	IS 3025 (Part 17)
4	Biochemical Oxygen Demand (BOD) at 27°C for 3 Days	mg/l	10	30(Max.)	IS 3025 (Part 44)
5	Chemical Oxygen Demand (COD)	mg/l	28	Not Specified	IS 3025(Part 58)
6	Oil & Grease	mg/l	BDL (4)	Not Specified	IS 3025 (Part 39)

2. Biological Testing

II. Pollution & Environment (Sewage)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
7	Thermotolerant Coliforms (F.coliforms)	MPN/100ml	920	<1000(Max.)	APHA 23rd Ed 9221 E

Remarks : NA

Mr. Umesh Kumar
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory - Biological

EL-FMT-7.8.2-WW

Page No.1/2

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TEST REPORT



TC-11010

ULR No : TC1181825000000463F

Test Report No : NSWL100125NA052

Type of Sample : Sewage

Date of reporting : 20/01/2025

End of Report

OTHER INFORMATION

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Mr. Umesh Kumar
Authorized Signatory- Chemical

Ms. Lata Thakur
Authorized Signatory- Biological



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : TC1181824000009738F		Test Report No : NSNL250924NA064	
Type of Sample : Source Noise Levels		Date of reporting : 03/10/2024	
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 4758, EI-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Rahul Verma
Period of Sampling	25/09/2024 - 25/09/2024	Date of Receipt of Sample	25/09/2024
Sampling Location	DG Set No.1 (2000 KVA) Mfg.Yr.2023	Period of Analysis	25/09/2024 - 26/09/2024
Standard/Specifications	Noise- Generator Set- Insertion Loss EPA 1986 S.No. 94	Environmental Condition	--
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Source Noise Levels)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Noise Levels- Source (Inside acoustic enclosure/ DG enclosure with all door/windows/openings are OPEN)	dB(A)	105.7	--	IS 4758
2	Noise Levels- Source (At 0.5 m from acoustic enclosure/ DG enclosure with all door/windows/openings are CLOSED)	dB (A)	79.8	--	IS 4758
3	Insertion Loss	dB (A)	25.9	Min. 25	IS 4758

Remarks : NA

End of Report



Mr. Umesh Kumar
Authorized Signatory- Chemical

EL-FMT-7.8.2-SN01

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TEST REPORT



TC-11819

ULR No : TC1181824000009738F

Test Report No : NSNL250924NA064

Type of Sample : Source Noise Levels

Date of reporting : 03/10/2024

OTHER INFORMATION

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3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M):91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.



Mr. Umesh Kumar
Authorized Signatory- Chemical

ANNEXURE-1

Ministry of Environment and Forests
Notification

G.S.R. 371(E) dated 17th May, 2002 along with G.S.R. 520 (E) dated 1st July, 2003 and G.S.R. 448 dated 12.07.2004 (The Environment (Protection) Amendment Rules, 2003)

94. NOISE LIMIT FOR GENERATOR SETS RUN WITH DIESEL

1. Noise limit for diesel generator sets (upto 1000 KVA) manufactured on or after the 1st January, 2005.
The maximum permissible sound pressure level for new diesel generator (DG) sets with rated capacity up to 1000 KVA, manufactured on or after the 1st January, 2005 shall be 75 dB(A) at 1 meter from the enclosure surface. The diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself.

2. Noise limits for diesel generator sets not covered by paragraph 1, shall be as follows:

i. Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.

The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise





Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



TC-11818

ULR No : TC1181824000009737F		Test Report No : NSNL250924NA065	
Type of Sample : Source Noise Levels		Date of reporting : 03/10/2024	
Reference Type : Work Order No		Reference No : 4900004844 Dt.: 29/04/2024	
Customer	Grasim Industries Ltd. (Birla Paints Division), Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 4758, EI-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Rafiul Verma
Period of Sampling	25/09/2024 - 25/09/2024	Date of Receipt of Sample	25/09/2024
Sampling Location	DG Set No.2 (2000 KVA) Mfg.Yr.2023	Period of Analysis	25/09/2024 - 26/09/2024
Standard/Specifications	Noise- Generator Set- Insertion Loss: EPA 1986 S.No. 94	Environmental Condition	—
Testing Location	On Site & Permanent Facility		

RESULTS

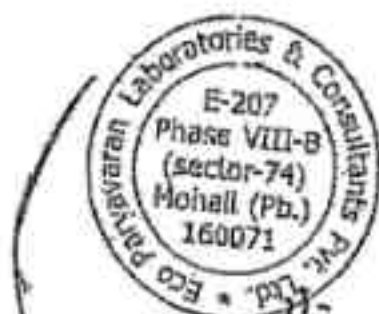
1. Chemical Testing

I. Atmospheric Pollution (Source Noise Levels)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Noise Levels- Source (Inside acoustic enclosure/ DG enclosure with all door/windows/openings are OPEN)	dB(A)	104.9	-	IS 4758
2	Noise Levels- Source (At 0.5 m from acoustic enclosure/ DG enclosure with all door/windows/openings are CLOSED)	dB (A)	78.9	-	IS 4758
3	Insertion Loss	dB (A)	26.0	Min. 25	IS 4758

Remarks : NA

End of Report



Mr. Umesh Kumar
Authorized Signatory- Chemical

EL-FMT-7.8.2-SN01

Page No.1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org

TEST REPORT



TC-11818

ULR No : TC118182400009737F

Test Report No : NSNL250924NA065

Type of Sample : Source Noise Levels

Date of reporting : 03/10/2024

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
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Mr. Umesh Kumar
Authorized Signatory- Chemical

ANNEXURE-1

Ministry of Environment and Forests
Notification

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



TC-11818

ULR No : NA	Test Report No : NANL250325NA004		
Type of Sample : Ambient Noise	Date of reporting : 03/04/2025		
Reference Type : Work Order No	Reference No : 4900004844 Dt: 29/04/2024		
Customer Name	Grasim Industries Ltd. (Birla Paints Division)		
Address	Plot Nos. B 1 and D 02 P, Pandurang Budhkar Marg, Hi Tech Cycle Valley, Dhanansu, Ludhiana, Punjab		
Sampling Protocol	IS 9989, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot
Period of Sampling	24/03/2025 - 25/03/2025	Date of Receipt of Sample	25/03/2025
Sampling Location	Refer below^	Period of Analysis	25/03/2025 - 26/03/2025
Standard/Specifications	EPA 1986 Schedule-III	Environmental Condition	-
Testing Location	On Site & Permanent Facility		

RESULTS

I. Chemical Testing

1. Atmospheric Pollution(Ambient Noise Levels)

Sr.No	Location ^	Unit	Result (Day)	Result (Night)	Test Method
1	WTP area	dB(A)	66.7	51.4	EL/SOP/AN/01
2	Switch yard	dB(A)	61.9	49.7	EL/SOP/AN/01
3	FG gate-area	dB(A)	69.7	53.1	EL/SOP/AN/01
4	Check in office (Green belt area)	dB(A)	61.5	47.3	EL/SOP/AN/01
5	Near WPB	dB(A)	66.4	52.7	EL/SOP/AN/01

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq* Day Time	Limits in dB(A) Leq* Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority. *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Remarks : NA

Mr. Mukesh Chandra Aggarwal
Authorized Signatory - Chemical

EL-FMT-7.8.2-AN

Page No.1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 ✉ contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org

TEST REPORT



ULR No : NA

Test Report No : NANL250325NA004

Type of Sample : Ambient Noise

Date of reporting : 03/04/2025

****End of Report****

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
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7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical



Green Belt Development as Per EC



Total Area for Green Belt:

Size: 81,971 square meters.

Percentage of Project Area: 33%.

As Per EC conditions Planting Specifications:

Indigenous Tree Species: At least 75% of the Green Belt area should be planted with indigenous, preferably broad-leaved tree species.

Other Planting: The remaining area can be greened with a mix of ornamental trees, medicinal/ornamental plants, shrubs, grasses, etc.

Height of Saplings: Saplings should be at least 6 feet tall at the time of planting.

Total Saplings: Total of 12,300 saplings have been planted as per EC compliance.

Green Belt Development Status summary



Tree Plantation: Along the entire periphery of the plant, we have strategically planted already grown trees that are two to three years old, height of eight to ten feet.

Diverse Tree Species: Our selection of trees includes a diverse range of species such as **Kachnar, Pilkhan, Maulsiri, Gulmohar, Goolar, Putranjiva, Arjun, Behada, Jamun, Silver Oak, Spathodea, Chakresia, Kadamb** and more.

Landscaping of Green Belt pockets: We have plantaed extensive landscaping, featuring a lush green lawn with Korean carpet grass, Loose Korean grass, Selection one grass and hedges like **Kaner, Hamelia, Hibiscus, jasmine, Chandni dwarf, Gardenia, Roses, Ixora, Ficus, Salvia, Marigold, Tecoma Gaudi Chaudi & Inermi** etc. We have also introduced a variety of floral species, including decorative plants, palm trees, and a diverse selection of flowering species etc.

Additional Plant Varieties: In addition to trees, we have introduced **Furcareia, Largestonia, Conacarpus, Pulmerea Alba, Bottle Brush, Cassia Fistula, Jacaranda, Areca Palm, Ashok, Bamboo, Buddha Valley, Terminalia, Bismarkia, and Bottle Palm.**

Green Belt Development Status summary



S.no.	Plants	Unit	Total
	Canopy Trees (Along the Boundary wall), Silver Oak, Golmohar, Spathodia, Chinaberry, Chakresia, Gular, Erythrina, Mahogani, Jamun, Kadamb, Simbol, Pilihan	EA	9641
1	BOTTLE PALM 15 FEET HIGH	EA	82
2	TERMANALIA MANTALI	EA	24
3	LARGESTOMA INDICA (10'-0" TO 12'-0" HT)	EA	24
4	JACRANDA (12'-0" HT)	EA	62
5	ASHOKA (8'-0" TO 10'-0" HT)	EA	79
6	PUTTANJIVA	EA	30
7	ARIUN	EA	30
8	BEL	EA	1
9	DATE PALM	EA	3
10	MANGO	EA	50
11	LEMON DWARF	EA	2
12	NEEM	EA	18
13	AMLA	EA	3
14	KADAMB	EA	435
15	Ficus Infectoria (pilihan)	EA	50
16	Silver oak	EA	50
17	Phonix palm	EA	26
18	Bheda	EA	30
19	Neem	EA	15
20	kachnar	EA	28
21	Mango (magneferia indica)	EA	88
22	Alesteria	EA	53
23	Gulmohar	EA	8
24	CASSIA FISHTULA	EA	33
25	BISMARCKIA PALM	EA	2
26	KANER (NERIUM OLEANDER)	EA	4,363.00
27	GOLDEN BOTTLE BRUSH TOPIARY	EA	23
28	CYPRESS DWARF	EA	14
29	BAMBOO BLOODHA (8 FEET TO 10	EA	244
30	ARECA PALM (4'-0" TO 5'-0")	EA	25

32	PHONIX PALM	EA	19
33	FURCAREA	EA	20
34	CONOCARPUS 10 FEET	EA	475
35	SPIDER LILLY	EA	200
36	Standkamini (18 inch dia)	EA	6
37	plumeria Alba	EA	400
38	Bombax Cebia	EA	50
39	Furcaree	EA	34
40	Cycus Revoluta	EA	16
41	FICUS PANDA	EA	29
42	Ficus	EA	200
	shrubs		
43	dedonderdran Inermi	Sqft	6,870.50
44	Hamellia patterns Dwarf	Sqft	2,024.00
45	Chandani Dwarf sqft	Sqft	445
46	Ticoma Stars (Ticoma Gaudi Chaudi)	Sqft	210
47	Wadellia Trifolita	Sqft	208.52
48	Pitonla	Sqft	45
49	Boungenvillea (3 colours)	Sqft	135
50	Budded rose	Sqft	96
51	Gardenia Dwarf	Sqft	24
52	Exora	Sqft	24
53	Euphorbia Milli	Sqft	24
54	Mogra	Sqft	24
55	Madhukamni scented	Sqft	24
56	Marigold	Sqft	45
57	Salvia	Sqft	24
58	Dianthus	Sqft	24
59	Habiscus Dwarf (4 colours)	Sqft	144

3

Green Belt Landscaping Inside plant Premises

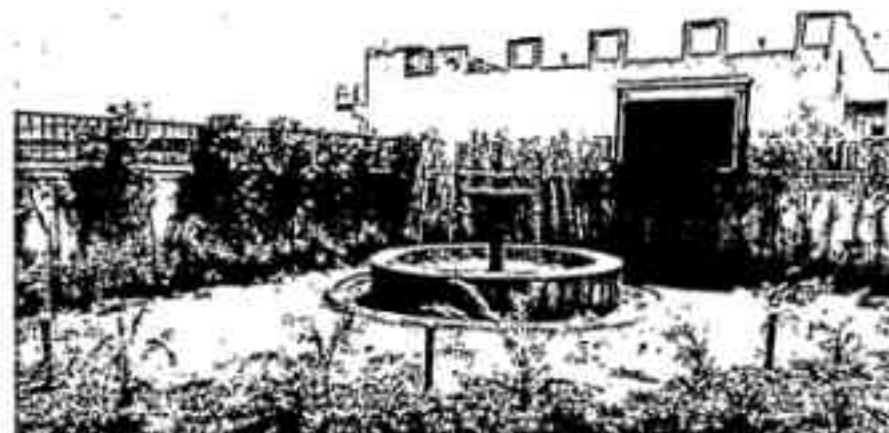
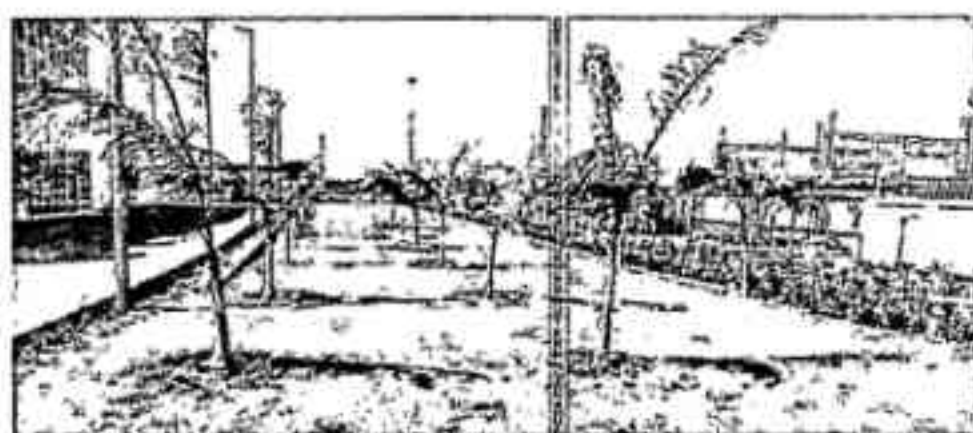


4

GREEN BELT DEVELOPMENT



Green Belt Landscaping Inside plant Premises



5

Green Belt Development



Periphery Plantation around the Boundary Wall



6

ADITYA BIRLA
GRASIM

Ref: Grasim/LOH/ERS/2024/06
Date: 24.02.2024

To:-
The Deputy Director of Factories (Ludhiana Circle-2)
Gill Road, Municipal Building Block - B
Ludhiana

Reference: Letter No. 43 dated 13.02.2024

Subject: Resubmission of On Site Emergency plan as per the Manufacture, Storage & Import of Hazardous Chemical Rules, 1989

Dear Sir,

We are hereby submitting to you On Site Emergency plan as per the Manufacture, Storage & Import of Hazardous Chemical Rules, 1989 along with the annexures duly signed by approved competent person under factories act.

Kindly acknowledge the same.

Thanking you,
For Grasim Industries Limited
Birla Paints Division


Authorized Signatory

CC: The Director of Factories, Ludhiana, SAS Nagar (Molash)


AMIT CHHABRA
0172511/2024

TOTAL PAGES = 324 PAGES
OF ON-SITE EMERGENCY
PLAN SUBMITTED


Amit Chhabra
LOH

Grasim Industries Limited
Birla Paints Division
Plot No. 6, 01 & 02, Near Tech Green Valley, Chauraha, Ludhiana - 141 002, Punjab
www.grasimindia.com

ADITYA GIRJA

GRASIM

Ref: Grasim/LD/H/EMS/2024/07
Date: 24.07.2024

To
The Deputy Director of Factories (Lachhna Circle-2)
Gill Road, Waplogal Building Block-15
Lachhna

Subject: The submission of Schedule-7 (Information for the Notification of Hazard) as per The Manufacture, Storage & Import of Hazardous Chemical Rules, 1989.

Dear Sir,

We are hereby submitting to you Schedule-7 (Information for the Notification of Hazard) as per The Manufacture, Storage & Import of Hazardous Chemical Rules, 1989 along with the annexes duly signed by the person competent person under Factories Act.

Kindly acknowledge the same.

Thanking you,
For Grasim Industries Limited
Girja Paints Division


Authorized Signatory

cc: The Director of Factories, Lachhna Circle-2, Nagpur (Maharashtra)

Grasim Industries Limited
Girja Paints Division
Gill Road, Waplogal Building Block-15, Lachhna, Waplogal, District, Nagpur - 466 001
M.P.



Ref: GRASIM / DMH / EHS / 2024 / 04

Date: 24.02.2024

The Deputy Director of Factories (Circular Circle 2)
Gill Road, Mumbai (Municipal Building) - 400 004

Reference: Letter No. 48 dated 13.02.2024

Subject: Re-submission of Schedule - 8 (Safety Report) As per the Manufacture, Storage & Import of Hazardous Chemical Rules, 1989

Dear Sir,

We are hereby resubmitting to you Schedule - 8 (Safety Report) As per the Manufacture, Storage & Import of Hazardous Chemical Rules, 1989 along with the annexures duly signed by approved competent person under factories act.

Kindly acknowledge the same.

Thanking you,
For Grasim Industries Limited
Birla Paints Division

Authorized Signatory

CC: The Director of Factories, Labor Bhawan, SAS Nagar (Mohali)

Encl: 1
Date: 24.02.2024
By: [Signature]



10/03/2024

For Birla Paints Division
Gill Road, Mumbai - 400 004
Date: 24.02.2024



ENVIRONMENT POLICY

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

Birla Paints shall endeavour to:

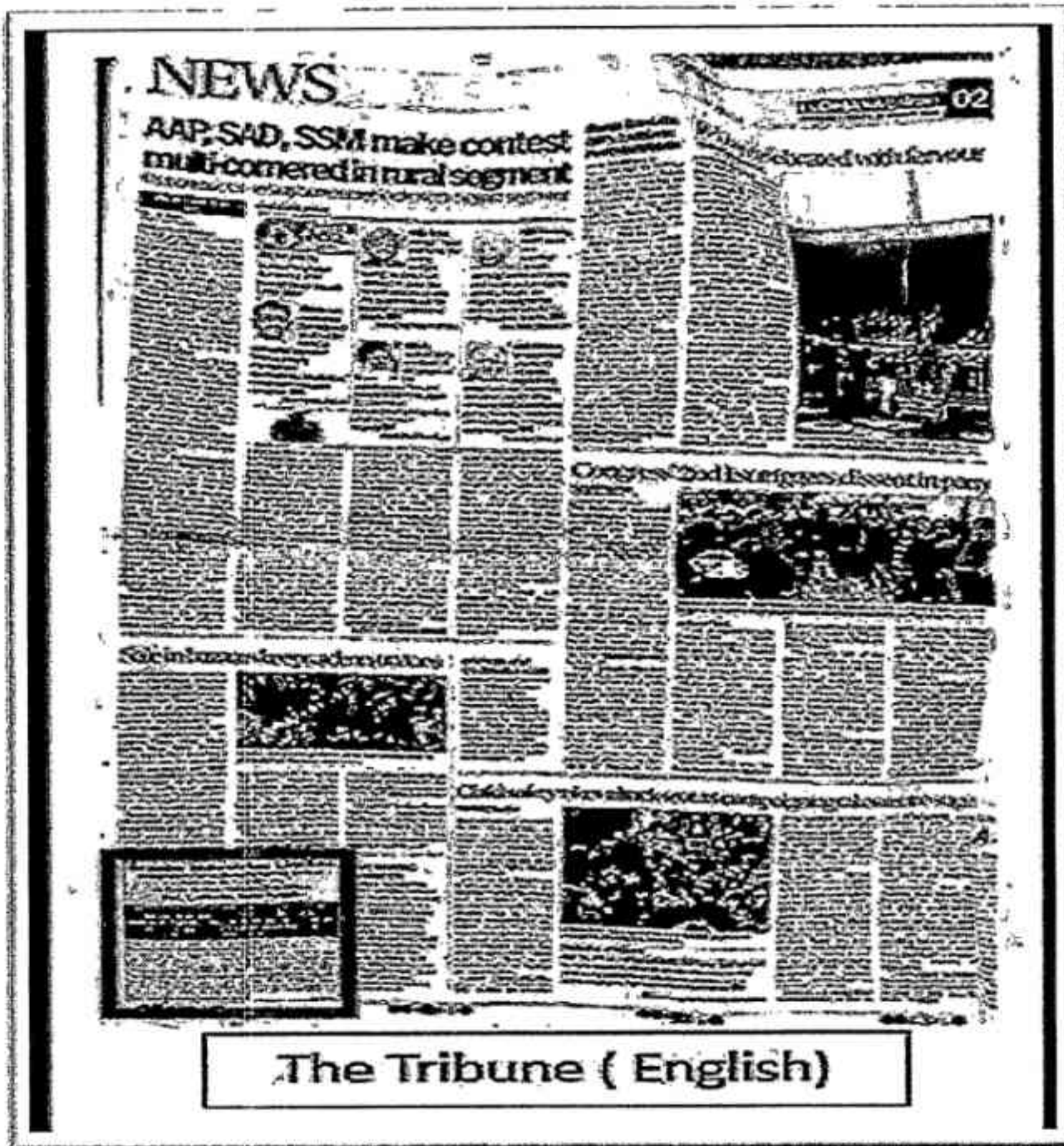
- Maintain positive legal compliance to environmental regulations and committed to go beyond the statutory requirements and adopt stringent standards.
- Adoption and application of state of art technology and improvement through manufacturing process to minimise the environmental impact of our operations.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

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

Rakshit Hargave
Chief Executive Officer

Date: 7th December 2023

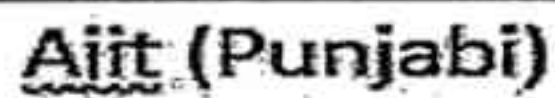
ANNEXURE - 6A



The Tribune (English)



In English



In Punjabi

Environment Management Cell

(Grasim Industries Limited, Ludhiana)

We Grasim Industries Limited, Ludhiana recognise that effective management of environment impacts is a fundamental part of our business. We shall strive to integrate sound environmental practices across our operational management and governance system to minimise the environmental impacts.

We are establishing environment cell which shall perform the following functions at site:

- Review of objectives of the 'Environment Protection Policy' of the management.
- Review of the environment objectives & targets for the FY 2025-26.
- Analyse the status of various reuse scheme to minimise the waste reduction.
- Review of waste management & water management at site
- Review of positive legal compliances to environment regulation
- Discussion on new regulation/guidelines & action plan for adherence of new regulation

Sr No	Name	Designation
1	Manoj Dadhwal	Site Head
2	Sandeep Singh Sengar	FH EHS-Head
3	Bhanu Singh Sirohi	Engineering-Head
4	Tilak Raj	Production-Head
5	Khushbir Singh	Material- Head
6	Deepak Sharma	E&I- DH
7	Govind Kumar	Mech-DH
8	Saurab Chhabra	Production- DH
9	Naveen Kumar	Production- DH
10	Rupesh Gandhi	Material- DH
11	Naresh Kumar	Env- SH
12	Mayank Pushkar	Env- Engineer

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	EC22B023PB139111
Compliance ID	112533035
Compliance Number(For Tracking)	EC/M/COMPLIANCE/112533035/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	30-11-2024
RO/SRO Name	Santosh Tiwari
RO/SRO Email	bh158@ifs.nic.in
State	PUNJAB
RO/SRO Office Address	Integrated Regional Offices, Chandigarh
Note:- SMS and E-Mail has been sent to Santosh Tiwari, PUNJAB with Notification to Project Proponent.	



Ref no: Grasm/LDH/EHS/2024/31

Date: 26/09/2024

To,
The Environment Engineer
Punjab Pollution Control Board (PPCB)
Regional Office-1, Phase V, Focal Point
Ludhiana, 141010, Punjab

Subject: Submission of Form V "Environment Statement" for FY 23-24

Dear Sir,

With the reference of above subject, please find enclosed the Annual Environment Statement, Form-V in accordance with section 14 in the Environmental Protection Act 1986.

We request you to accept the same and kindly acknowledge the receipt.

Thanking you,
Sincerely,
For Grasm Industries Limited



(Authorized Signatory)

Enclosed: Annexure: Environment Statement "Form- V"

CC: The PPCB, Chairmen Office, Head office, Vatavaran Bhawan Patiala, Punjab.

Grasm Industries Limited (Birla Paints Division)

Site Address: Plot Nos. B1 & D02, Village- Dhanansu, Hitech Valley, Chandigarh Highway,
Ludhiana, Punjab, Pin- 141112

Head Office: 9th Floor, Birla Centurion, Pandurang Budhkar Marg, Worli, Mumbai-400 030 India
| T: +91 22 6854 0444

Registered Office: PO Birlagram, Nagda, Dist Ujjain, Madhya Pradesh – 456 331, India
T: +91 (07366) 246760 - 66 | W: www.grasim.com | CIN: L17124MP1947PLC000410

[FORM - V]

(See rule 14)

Environmental statement for the financial year ending the 31st of March 2024

PART- A

Name and address of the owner	Shri Manoj Dadhwal M/S. GRASIM INDUSTRIES LIMITED Plot No. B-1, D-02 (P), Hi-Tech Valley, Village Dhanansu, Dist. Ludhiana, State Punjab
Occupier of industry, operation & process:	Mr Manoj Dadhwal
Industry category	Red
Production capacity (MTPA):	Water Based Paint: 250000 KL /YEAR Emulsion -100000 KL/YEAR
Year of establishment:	2022-23
Date of the last Environmental Statement submitted:	NA

PART-B

Water and Raw Material Consumption

(i) Water consumption m3/day

Process: Total quantity of fresh water	16.7
Cooling: Total quantity of fresh water	16.4
Domestic: Total quantity of fresh water	63
Others (Plant commissloning, storage tank hydraulic testing) etc	166.5
Total Water consumption per day	262.6

Name of Products	Process water consumption per unit of product
	During FY 23-24
Paint	0.56 m ³ per Kl of paint production

(ii) Raw material consumption: -

Sr.no	Name of raw material	Name of products	Consumption of raw material MT per unit of output during (MT/kl)
1	Pigments	Paints	0.07
2	Extenders	Paints	0.48
3	Additives	Paints & Emulsions	0.07
4	Solvents	Paints & Emulsions	0.03
5	Emulsions (Purchased)	Paints	0.06
6	Monomers	Emulsion	0.15
7	Others	Paints & Emulsions	0.02

PART-C

Pollution Discharged to the Environment per unit of output
(Parameters as specified in the consent issued)

Water Pollutant

Sr. No	Parameters	Quantity of pollution discharged kg/day	Concentration of pollutants in discharges (mg/L)	Percentage of variation from prescribed standard	Reason
1	pH	-	-	-	ETP plant was under commissioning phase. Total 436 Kl effluent received from process which we used to grow Biocultural & in plant commissioning
2	Total Suspended Solids	-	-	-	
3	Total Dissolved Solids	-	-	-	
4	COD	-	-	-	
5	BOD 3 days @ 27c	-	-	-	
6	Oil and grease	-	-	-	
7	Total Residual Chlorine	-	-	-	
8	Ammonical Nitrogen as N	-	-	-	
9	Dissolved Phosphates as P	-	-	-	
10	Lead as (Pb)	-	-	-	
11	copper As Cu	-	-	-	
12	Nickel as (Ni)	-	-	-	
13	Zinc	-	-	-	
14	Total Kjeldahl Nitrogen as (N)	-	-	-	100 KL of sewage used in STP commissioning
15	Arsenic as (As)	-	-	-	
16	Mercury as (Hg)	-	-	-	
17	Cadmium (Cd)	-	-	-	
18	Chromium as (hexavalent Cr+6)	-	-	-	
19	Total Chromium as (Cr)	-	-	-	
20	Selenium as (Se)	-	-	-	
21	Fluoride as F	-	-	-	
22	Sulphide as S	-	-	-	
23	Iron (as Fe), mg/l	-	-	-	
24	Phenolic Compounds as	-	-	-	

	C6H5OH			
25	Temperature	-	-	-
26	Sulphate as SO4	-	-	-
27	Chloride as CL	-	-	-
28	Sodium Absorption Ratio (as SAR)	-	-	-
29	Calcium as Ca	-	-	-
30	Sodium as Na	-	-	-
31	Residual sodium carbonate	-	-	-
32	Total Metal	-	-	-
33	Magnesium	-	-	-
34	Pottasium	-	-	-
35	Carbonate as CO3	-	-	-
36	Bicarbonate as Hco3	-	-	-
37	Boron	-	-	-
38	Cobalt	-	-	-

Air Pollutant Stack: DG -1					
Sr No	Pollutant	Quantity of pollution discharged (kg/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards	
1	PM (mg/Nm³)	0.208	71	-52.67	DG-1 started in Dec 2023 Negative Variance Indicates the Quality Parameter of DG-1 Emission is Much better than Prescribed Standards
2	SO ₂ (mg/Nm³)	0.079	27	-91	
3	NO _x (mg/Nm³)	1.588	531	-11.5	
Stack: DG -2					
1	PM (mg/Nm³)	0.267	69	-54	Negative Variance Indicates the Quality Parameter of DG-2 Emission is
2	SO ₂ (mg/Nm³)	0.132	34	-88.67	

3	NO _x (mg/Nm ³)	2.003	517	-13.83	Much better than Prescribed Standards
Stack: Boiler-1					
1	PM (mg/Nm ³)	0.961	97	-35.3	Negative Variance Indicates the Quality Parameter of Boiler 501 is better than Prescribed Standards
2	SO ₂ (mg/Nm ³)	0.228	23	-92.33	
3	NO _x (mg/Nm ³)	2.082	210	-65	
Stack: Boiler-2					
1	PM (mg/Nm ³)				Boiler no 2 was under commissioning in FY 23-24
2	SO ₂ (mg/Nm ³)				
3	NO _x (mg/Nm ³)				

Stack: Boiler-3					
1	PM (mg/Nm ³)				Boiler no 3 (it was under commissioning in 23-24)
2	SO ₂ (mg/Nm ³)				
3	NO _x (mg/Nm ³)				

NA- Limits not applicable

PART-D**Hazardous Wastes****[As specified under The Hazardous Wastes (Management, Handling and Other waste) Rules, 2016]**

Details of Hazardous Waste Management				
S. N.	Name of Waste	Category- of Hazardous waste as Schedules	Quantity (MT/Annum)	Mode of Disposal
1	Contaminated oil with wash water & sludge	3.1 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF as landfilling
2	Sludge and filters contaminated with oil	3.3 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF as landfilling/co-processing
3	Used / Spent Oil	5.1 – Schedule-I	00	Collection, Storage, and sale to SPCB approved authorised recycler/ co-processing
4	Contaminated aromatic, aliphatic or naphthenic solvents, may or may not be fit for reuse	20.1 – Schedule-I	00	Collection, Storage, and sale to SPCB approved authorised recycler
5	Distillation Residues	20.3 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF as landfilling
6	Process wastes, residue, and sludge (Filler Residue)	21.1 – Schedule-I	0.0	Collection, Storage, Disposal and Transportation to active TSDF/ co-processing (Production started in Feb-2024, due to small qty generation HW disposed within 120 days from site)
7	Wastes or residues such as filter aid	23.1- Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF as landfilling or Sale to SPCB approved authorised recycler/ co-processing
8	Discarded Container/ Drum	33.1 – Schedule-I	0.0	Recovery & Reuse - Authorised recyclers

9	Discarded containers / barrels /liners contaminated with hazardous wastes / chemicals	33.1 – Schedule-I	2.9	Recovery & Reuse - Authorised recyclers
10	Chemical containing residue arising from decontamination	34.1 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF as landfilling
11	Flue gas cleaning residue	35.1 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF/ co- processing
12	Spent Ion Exchange Resin containing toxic metals	35.2 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF/ co- processing
13	Chemical Sludge from wastewater Treatment	35.3 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF/ co- processing
14	Oil and Grease skimming residue	35.4 – Schedule-I	00	Collection, Storage, Disposal and Transportation to active TSDF/ co- processing
15	Spent Carbon	36.2 – Schedule-I	00	Return to supplier for regeneration/ Co- processing

PART-E

Solid Wastes

Waste Source	Total Quantity (Kg)	
	During Financial Year (22-23)	During Financial Year (23-24)
a) From Process		
1. Plastic scrap	NA	25
2. Wooden Scrap	NA	258
3. Papers/Cardboard	NA	4
4. Powder Waste	NA	0
5.Plastic RM Container	NA	0
6.Metal RM container	NA	0
7.Metal Waste	NA	23.4
8. Miscellaneous Waste	NA	241.4
b) From Pollution Control Facilities	NA	Nil

c) Quantity recycled or re-utilised within the Unit	NA	Nil
1. Sold	All mentioned In (a) of part E, above	All mentioned In (a) of part E, above
s2. Disposed	Nil	Nil

E WASTE

Waste Source	Total Quantity (Kg)	
	During Financial Year (22-23)	During Financial Year (23-24)
E waste	NA	0

PART-F

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

A. Hazardous waste

Details of Hazardous Waste Management			
S. N.	Name of Waste	Category- of Hazardous waste as Schedules	Mode of Disposal
1	Contaminated oil with wash water & sludge	3.1 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
2	Sludge and filters contaminated with oil	3.3 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
3	Used / Spent Oil	5.1 – Schedule-I	Collection, Storage, and sale to PPCB approved authorised recycler/ co-processing

4	Contaminated aromatic, aliphatic or naphthenic solvents, may or may not be fit for reuse	20.1 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
5	Distillation Residues	20.3 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
6	Process wastes, residue, and sludge (Filler Residue)	21.1 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility (Production started in Dec 2023.)
7	Wastes or residues such as filter aid	23.1- Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
8	Discarded Container/ Drum	33.1 – Schedule-I	Recovery & Reuse - Authorised recyclers
9	Discarded containers / barrels /liners contaminated with hazardous wastes / chemicals	33.1 – Schedule-I	Recovery & Reuse - Authorised recyclers
10	Chemical containing residue arising from decontamination	34.1 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
11	Flue gas cleaning residue	35.1 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
12	Spent Ion Exchange Resin containing toxic metals	35.2 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
13	Chemical Sludge from wastewater Treatment	35.3 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
14	Oil and Grease skimming residue	35.4 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility
15	Spent Carbon	36.2 – Schedule-I	Collection, Storage, Disposal and Transportation to co-processing facility

B. Solid Waste		
1. Metal waste	NA	Sold to scrap dealer
2. Wooden Scrap	NA	Sold to scrap dealer
3. Papers/Cardboard	NA	Sold to scrap dealer

PART-G

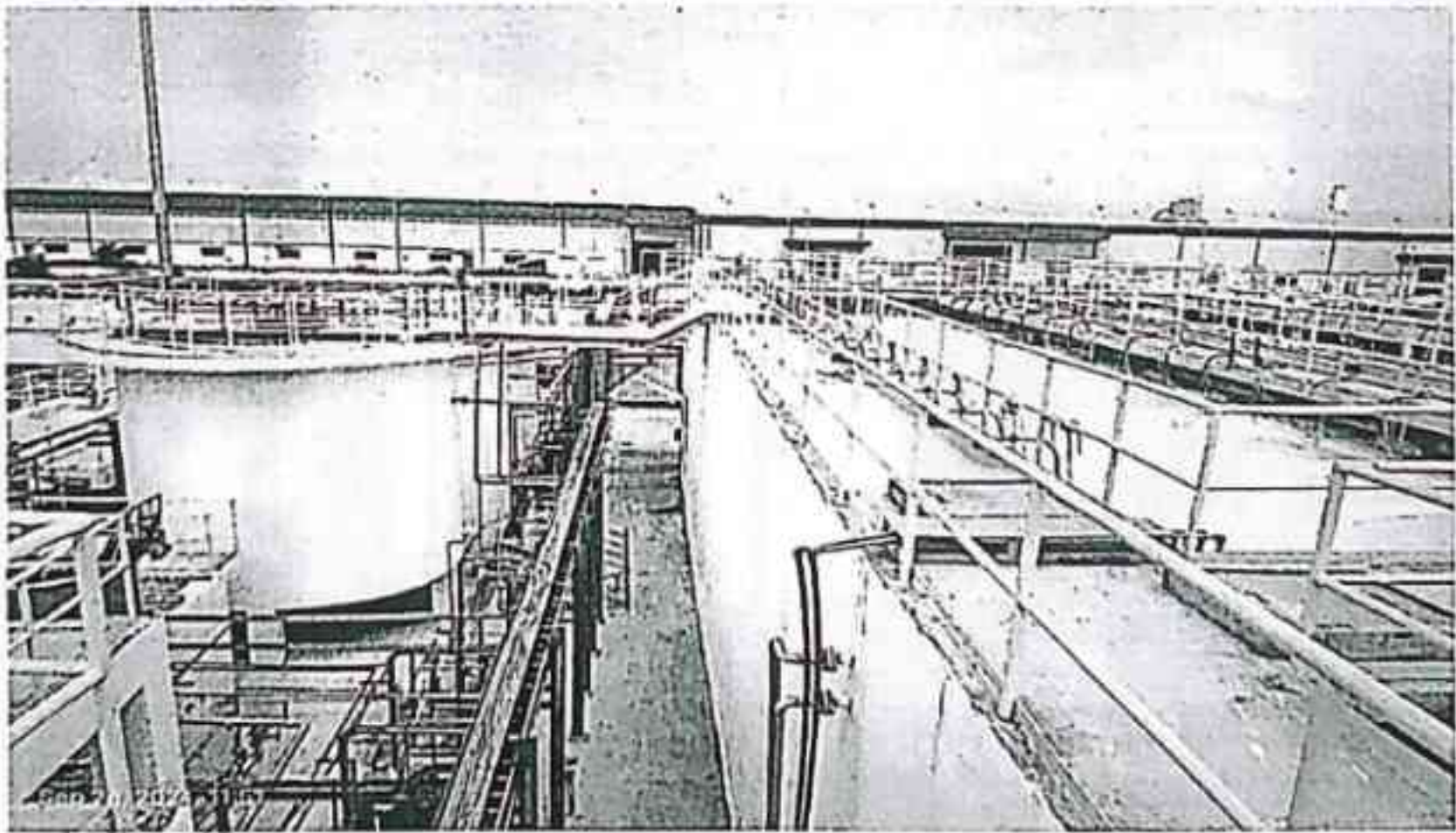
Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

PART-G

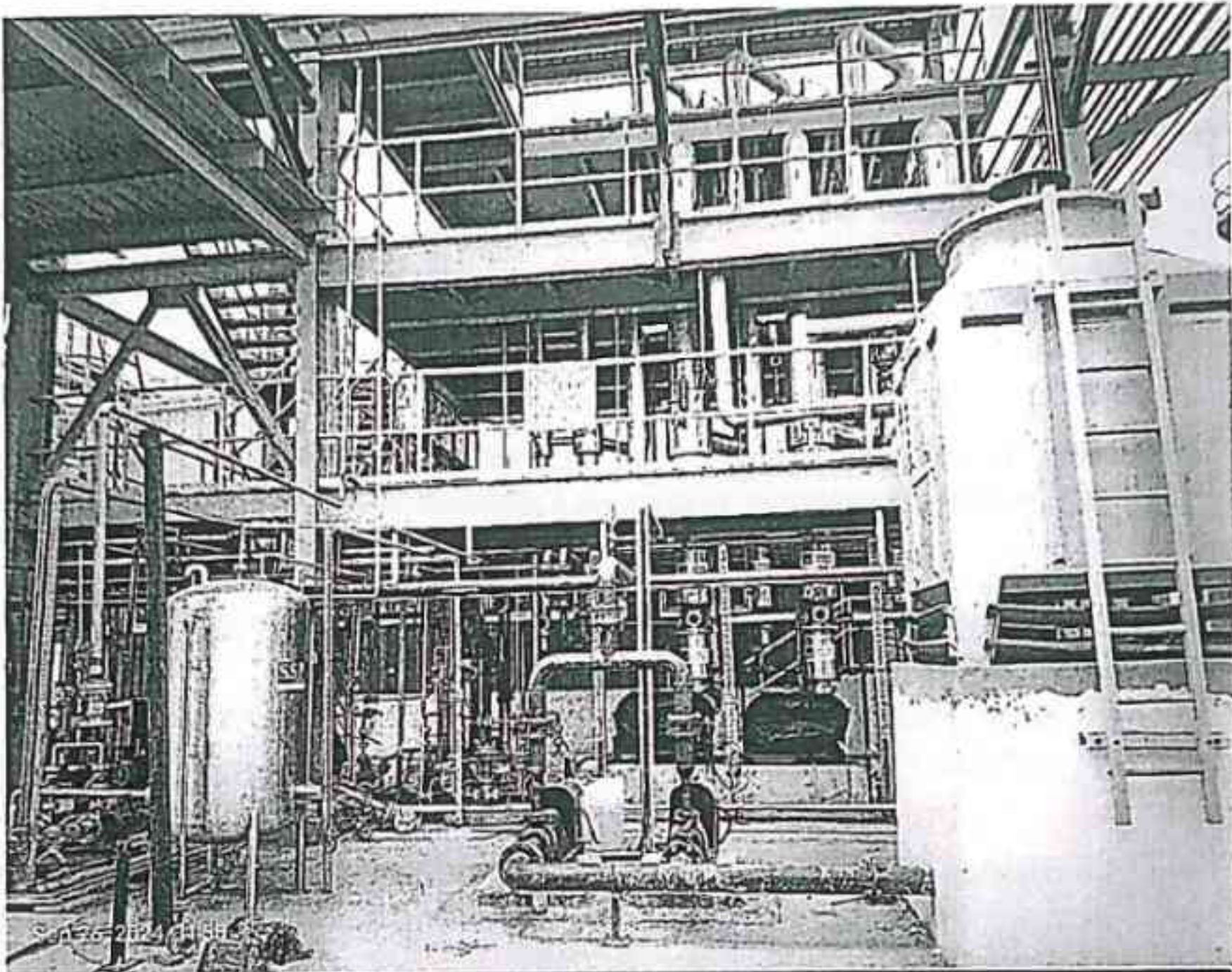
Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

We have taken many pollutions control measures and conservation of natural resources; details are as below-

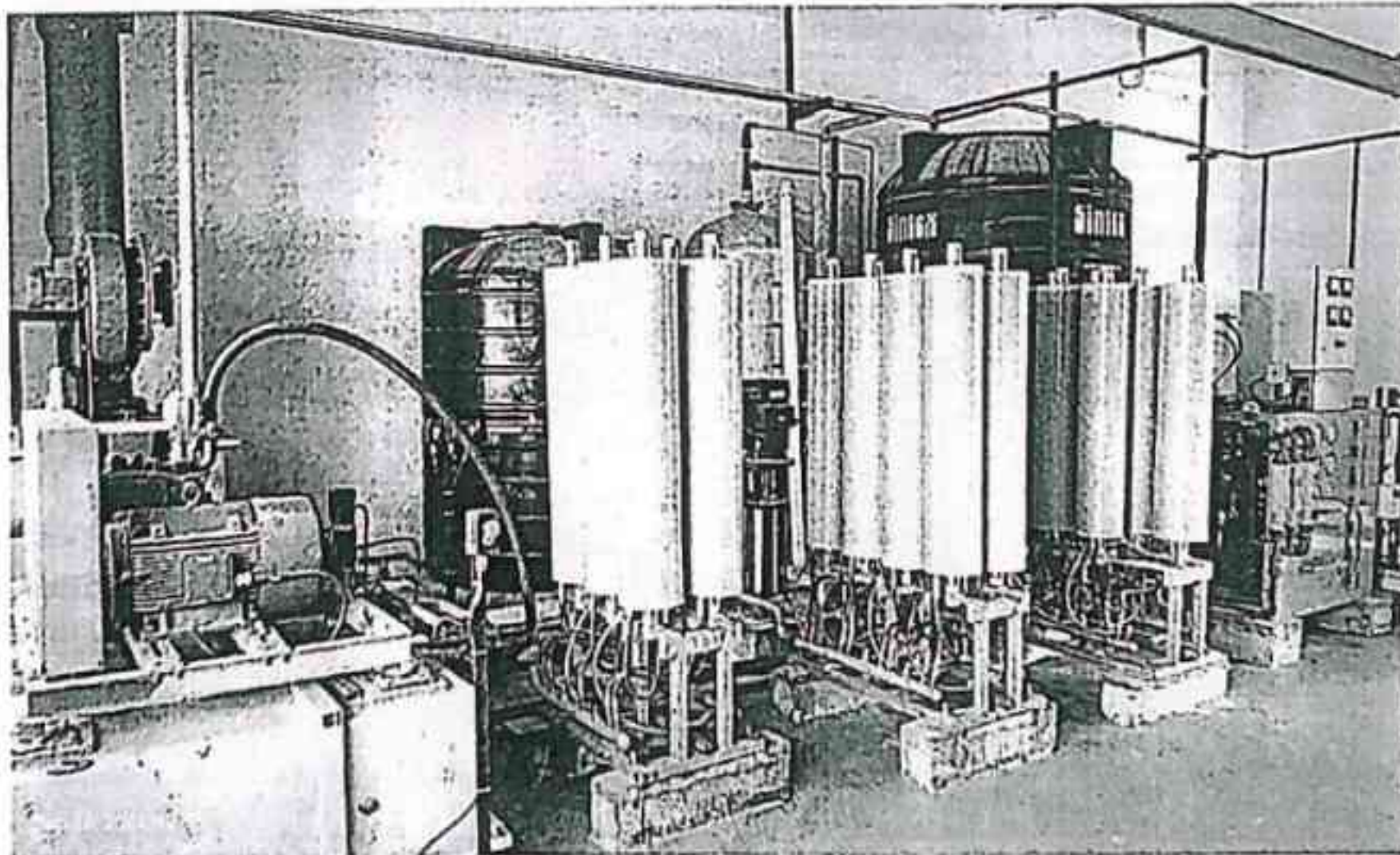
- 1. **Installation of ZLD System-** The unit has installed the ZLD plant for complete recycling and reuse of water. ZLD system include ETP 150 KLD, RO Plant 100 KLD, MEE Plant 15 KLD.



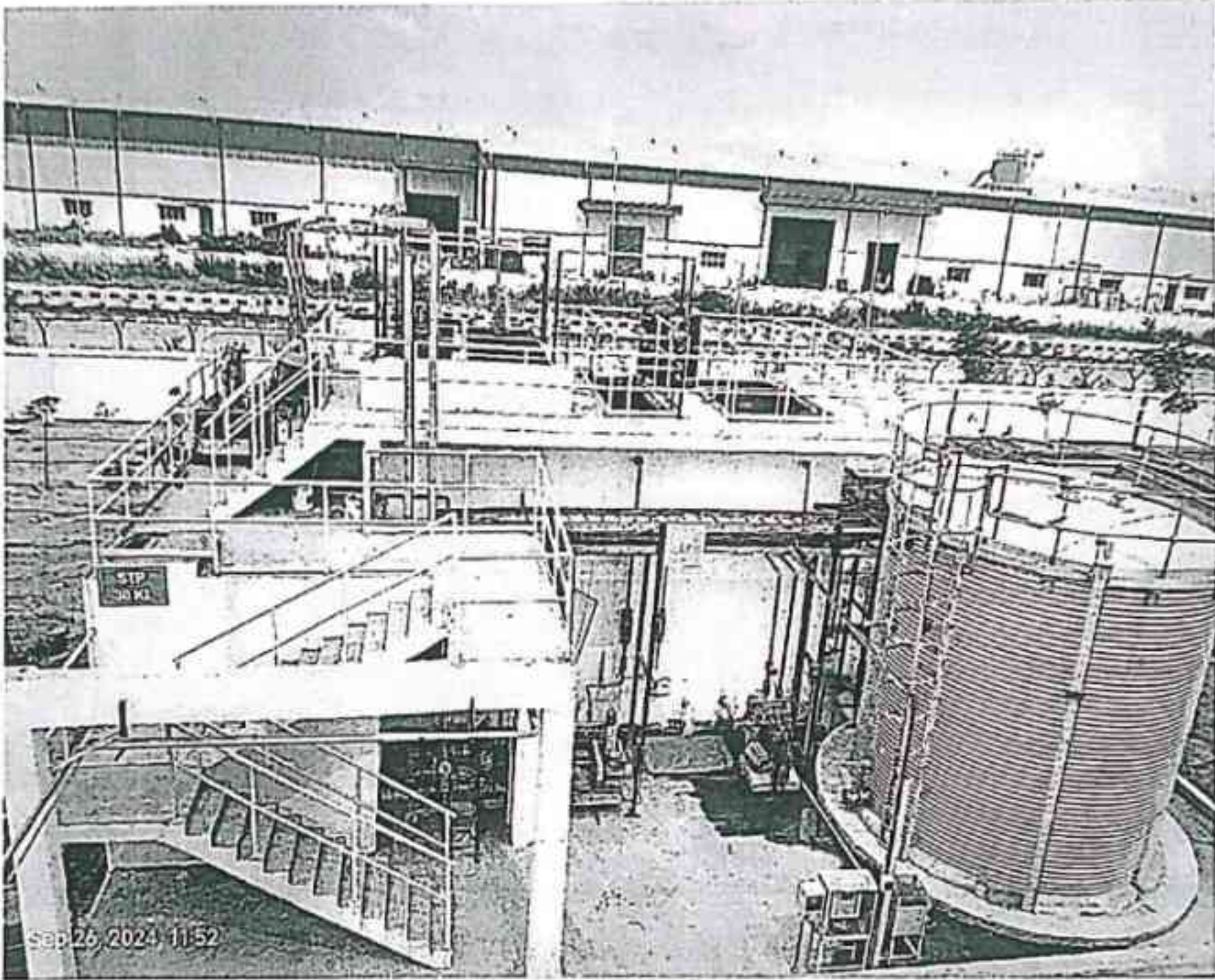
ETP Plant



MEE PLANT



RO PLANT



STP PLANT

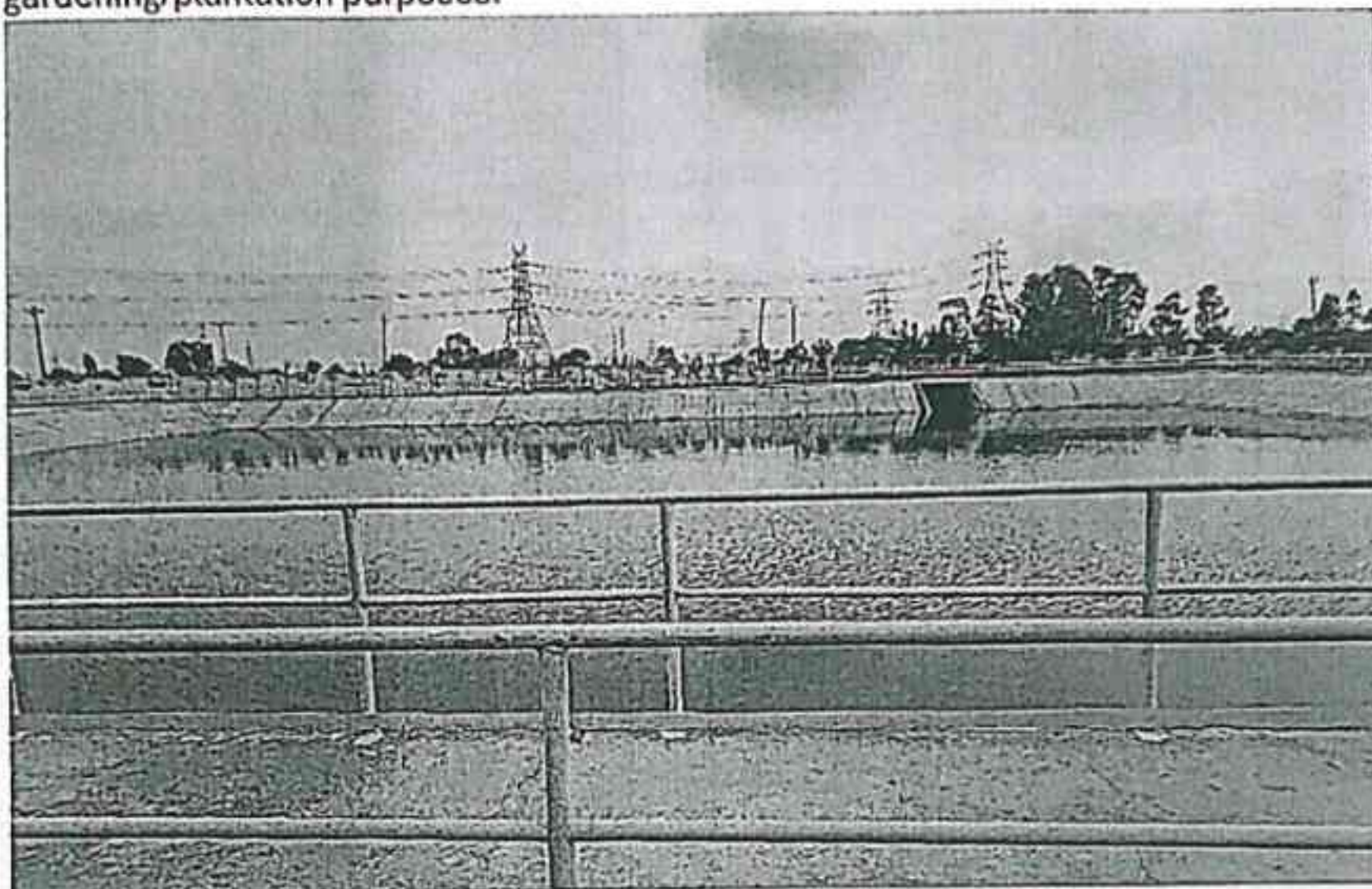
Rainwater Harvesting

Construction of Rainwater Reservoir:

Rainwater harvesting is a mechanism involved in collecting, storing, and using rainwater which is most essential. The principle of operation of our plant is to harvest and utilize maximum quantity of rainwater rather than let it out of our plant premises. We designed rainwater harvesting system for collection (catchment area and related piping) of two streams of rainwater.

- Rooftop water- All the building's roof top
- Storm drain water and drainage system Both of these streams collected and stored in separate tanks for reuse.

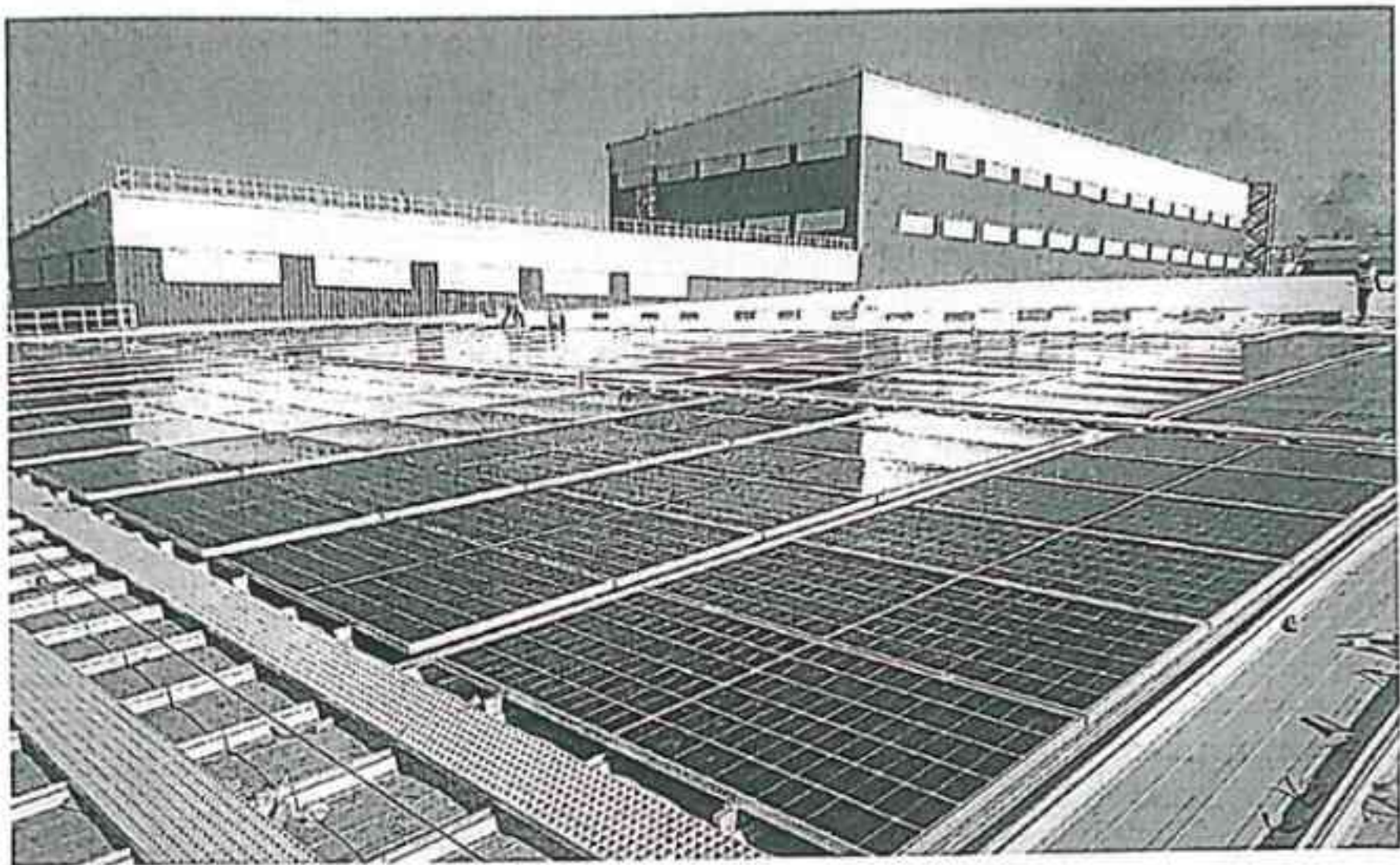
Project proponent shall construct the 2 no. of rainwater tank of total capacity 9600 KL to store the rainwater run off generated from the roof tops etc during monsoon season within its premises and reutilize the same for industrial process and gardening/plantation purposes.



Water Reservoir

Solar Plant:

The Unit has installed 1 MW AC solar plant at site with investment of approx. 3 Cr. This shows the commitment towards uses of renewable energy for operation.



Green belt development

- 1. Green belt is being developed around 23% of the plot area, totalling about 14.0 acres.
- 2. Drip Irrigation system for Periphery Planation and Sprinkler system installed for the watering
For Buffer area
- 3. Below verities of plantation done in green belt:

Sr.NO	Plant Name
1	Silver Oak
2	Gulmohar
3	Spathodia,
4	Chinaberry,
5	Chakresia
6	Gular
7	Erythrina
8	Mahogani
9	Jamun
10	Kadamb
11	Simbul,
12	Pilkhan

13	BOTTLE PALM 15 FEET HIGH
14	CASSIA FISHTULA
15	BISMARKIA PALM
16	KANER (NERIUM OLEANDER)
17	GOLDEN BOTTLE BRUSH TOPIARY
18	TERMANALIA MANTALY
19	CYPRESS DWARF
20	BAMBOO BUDDHA (8 FEET TO 10
21	ARECA PALM (4'-0" TO 5'-0")
22	LARGESTOMIA INDICA (10'-0" TO 12'-0" HT)
23	JACRANDA (12'-0" HT)
24	PHONIX PALM
25	FURCAREA
26	CONOCARPUS 10 FEET
27	ASHOKA (8'-0" TO 10'-0" HT)
28	SPIDER LILLY
29	PUTRENJIVA
30	ARJUN
31	BEL
32	DATE PALM
33	MANGO
34	LEMON DWARF
35	NEEM
36	AMLA
37	KADAMB
38	FICUS PANDA
39	Standkamini(18 inch dia)
40	plumeria Alba
41	Bombax Cebia
42	Ficus Infectoria (pilkhan)
43	Furcareia
44	Cycus Revoluta
45	Silver oak
46	Phonix palm
47	Bheda
48	Neem
49	kachnar
50	Mango (magnefleria indica)
51	Alestonia
52	Shrubs
53	clondonderdran inermi
54	Hamellia patterns Dwarf
55	Chandani Dwarf sqft
56	Ticoma Stans(Ticoma Gaudi Chaudi)
57	Wadellia Tribolta
58	Pitonia
59	Boungenvelliea (3 colours)
60	Budded Rose

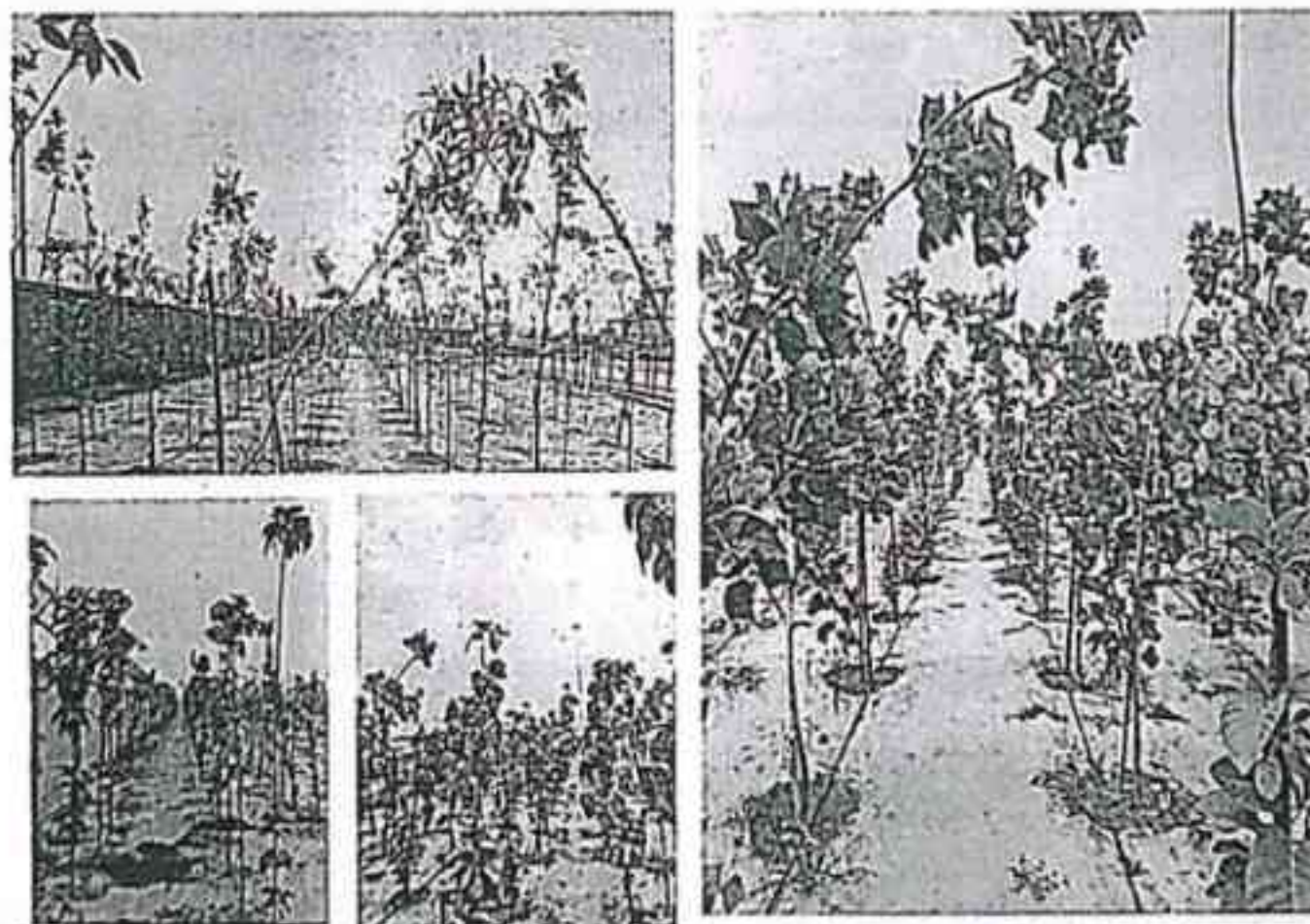
61	Gardenia Dwarf
62	Exora
63	Euphorbia Milla
64	Mogra
65	Madhukamni scented
66	Marigold
67	Salvia
68	Dianthus
69	Habiscus Dwarf (4 colours)

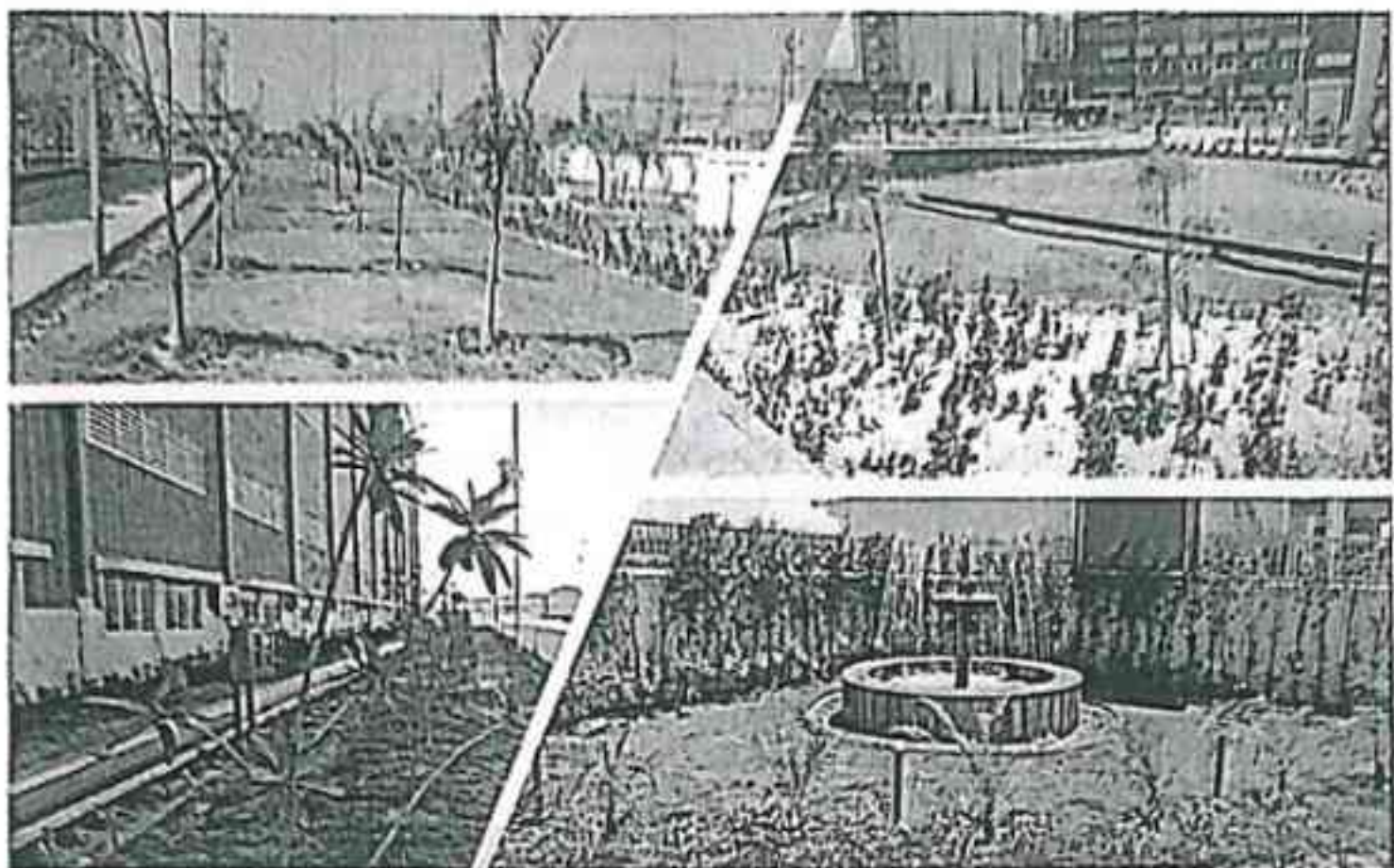
Green Belt Development



ADITYA BIRLA GROUP

Periphery Plantation around Boundary Wall





The detail of the expenditure on Green Belt Development during the year 2023-24 is as given below

Green Belt Deveopement	Cost (Cr.)
Periphery Plantation (As per EC)	0.76
Green Pocket/Park (Ornamental, Grasses, Hedge) Development	1.32
Total	2.08

CER Activities

Setting-up of "Virtual Corporate Interaction Lab at GND University

- A Virtual Corporate Interaction Lab (Innovation & sustainability solutions) in University School of Financial Studies by SEIAA chairman.
- This e-platform shall save planet for future generations



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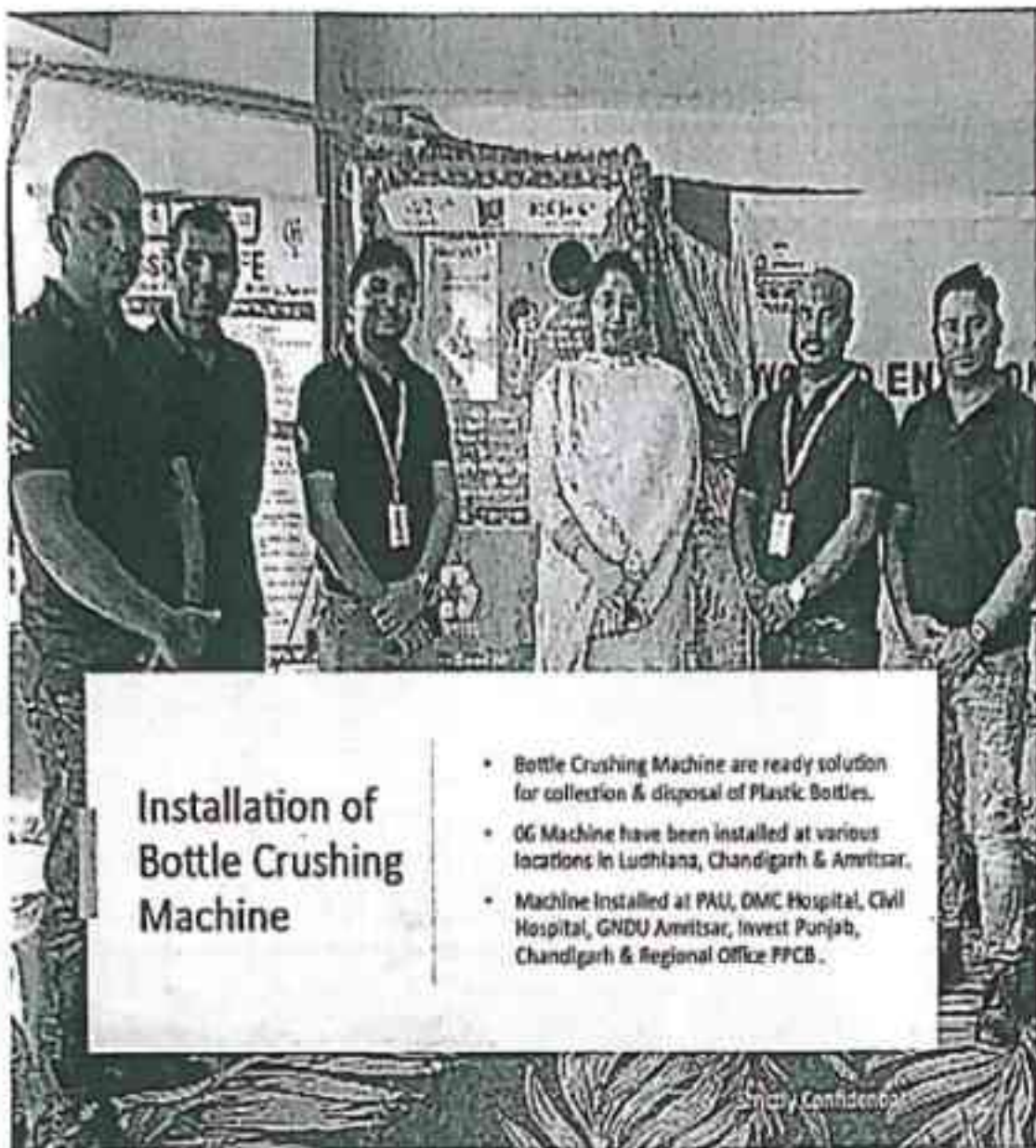


Distribution of Jute Carry Bags

- 8900 Jute Carry Bags distributed at various schools & offices under CER plan.
- People briefed about usage Jute Carry Bags & harms of plastic waste.
- Pledged to use Carry Bags to reduce plastic wastes.

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10





Distribution of Copper Bottles

- To reduce the single use plastic, metal bottles are the best solution
- Copper Bottles have been distributed to farmers & various govt offices.
- 1589 Nos of bottles distributed till date.

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Distribution of Env Books

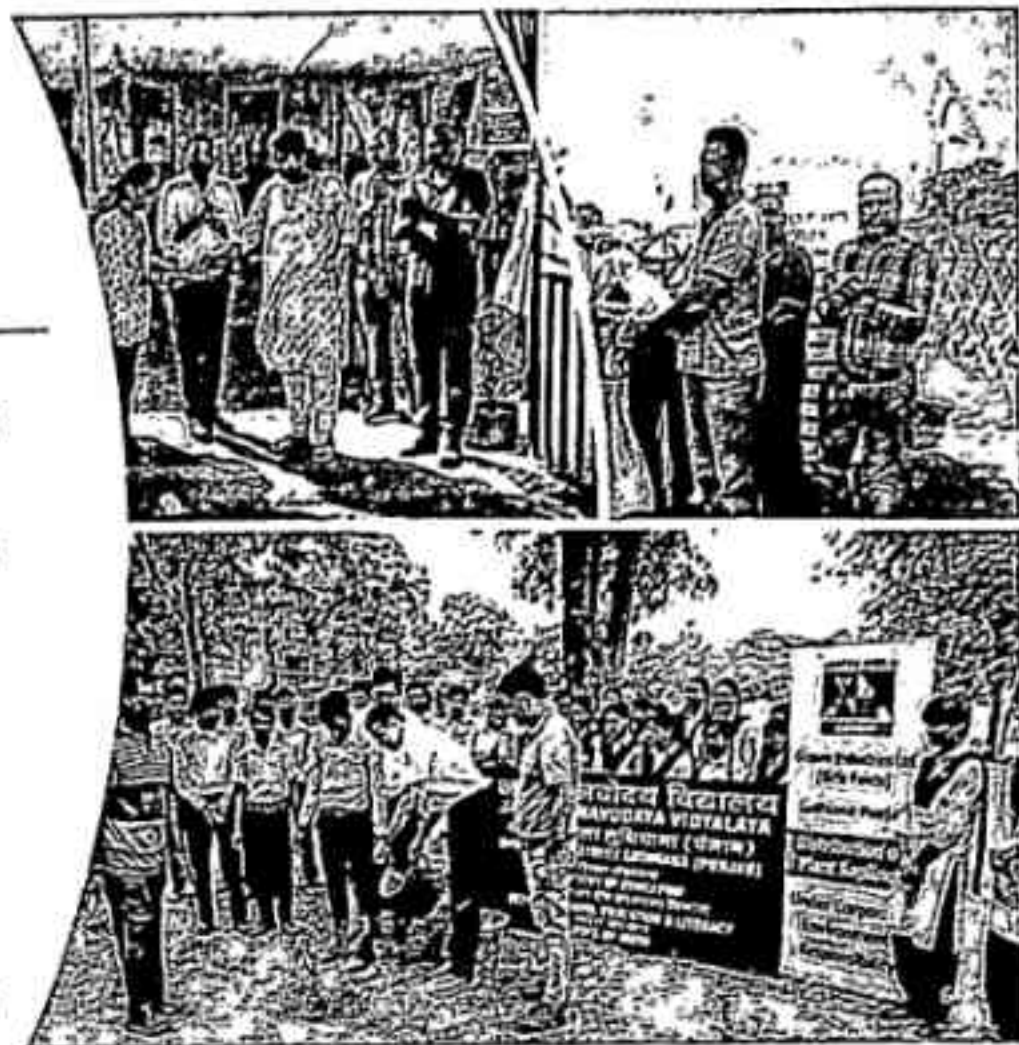
- 1380 Environmental Comic Books were distributed among students of various schools under CER plan.
- "Down to Earth" magazine have be subscribed for 300 schools in Ludhiana city
- The Book contains 20 pictorial stores related to environment.
- Volunteers from Grasim participated in the events.



Strictly Confidential

Setting Up of Nursery & Plant Distribution

- A Model Nursery has been Inaugurated at nearby village.
- A wide varieties of plant species like Ashok, Mango, Neem, Baheda etc. as per EC are maintained.
- 20000 sapling have been distributed in nearby schools & offices.



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CER EXPENSES FY 23-24

Sr.No	Description	Cost (Rs)
1	Establishing Nursery for Nurturing, Caring and Sharing of Native Trees Species and distributing sapling to nearby communities free of charge along with Plantation of Native Trees in Selected Areas	95,62,668/-
2	Donation of Environmental Books/Literature to Schools/Panchayat/Colleges	
3	Donation of Plastic Bottle Crusher to Railway Station/Bus Stands	
4	Distribution of Paper / Jute Bags to replace Plastic Bags	
5	Distribution of Glass/ Metallic Bottles to replace Plastic Bottles	
6	Upgradation/Provision of Monitoring Lab/Van to PPCB – Ludhiana	
7	Setting a Virtual Corporate Interaction Lab (Innovation & sustainability solutions) in Guru Nanak Dev University	
8	Contribution to Tandrust Punjab Fund for Environmental Initiatives taken by Govt. of Punjab	
9	Provision of Solar Electrification / Water Heating in Schools, Police Stations, Panchayat Office, and Nearby Villages etc.	
10	Pond Restoration in nearby Villages	

Other measures**Impact of pollution abatement measures taken on the cost of production**

The detail of the expenditure on pollution abatement during the year 2023-24 is as given below

Environmental Protection measures	Cost (Rs)
Operating cost of ZLD effluent treatment plant	3,51,500
Testing charges for monitoring parameters of ambient air, stack emissions and treated effluent	483610
Expenditure toward ZLD, CEMS, AQMS, APCD, Landscaping & other environment asset	140272074
Total	14,11,07184

PART-I**MISCELLANEOUS:**

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

The details of various Air Pollution Control Measures adopted at Grasim Industries Limited., Ludhiana plants are as follows:

1. Closed Loop Handling of Liquid Raw Materials:

Majority of liquid raw materials are directly pumped from tankers to storage tanks. The addition of these materials in process vessels is through pipeline and hence there will not be any fugitive emissions during transfer of these materials.

2. Storage of Powders in Silos & its transfer through pneumatic conveying:

All Powder raw materials are stored in silos of capacity 75m³, 350 m³, and 550 m³. These powders are transferred to process vessels through pneumatic conveying in a closed manner, thereby, minimizing the dusting levels.

3. Bag Filters for Dust Collection:

All the silos, charge hoppers, weigh hoppers and FIBC hoppers are equipped with Reverse Jet Cleaned Bag Filters with emissions of less than 10mg/m³ and are designed to operate with a pressure drop of less than 25mbarg.

4. Provision of Vent Condenser with Chilled Water:

Vent condensers are provided to reactors with chilled water circulation for the reduction of solvent emission from the storage tanks. Circulation of chilled water will ensure higher recovery of vapours, thereby, minimizing their emission in the atmosphere.

5. Scrubber mechanism has been provided :

- i. 2400 Nm³/hr system for Water based Paint Block connected to vents of TSDs
- ii. 700 Nm³/hr, system for Emulsion Block connected to vents of Reactors, PETs, and Batching Tanks

(Signature of a person carrying out an industry)

DATE: 26 Sept 2024

Name: Mr Manoj Dadwal



(Authorized Signatory)

INDIA NON JUDICIAL
Government of Punjab

e-Stamp

Certificate No.	IN-PB48154507762529V
Certificate Issued Date	09-Oct-2023 10:46 AM
Certificate Issued By	pbbalknru
Account Reference	NEWIMPACC(SV)/pb7092104/ LUDHIANA/PB-LD
Unique Doc. Reference	SUBIN-PBPB709210497701679853130V
Purchased by	NARESH KUMAR
Description of Document	Article 5 Agreement or Memorandum of an Agreement
Property Description	Not Applicable
Area of Property	Not Applicable
Consideration Price (Rs.)	0 (Zero)
First Party	GRASIM INDUSTRIES LIMITED
Second Party	SHREE CEMENT
Stamp Duty Paid By	GRASIM INDUSTRIES LIMITED
Stamp Duty Amount(Rs.)	500 (Five Hundred only)
Social Infrastructure Cess(Rs.)	0 (Zero)
Total Stamp Duty Amount(Rs.)	500 (Five Hundred only)



GRASIM INDUSTRIES LIMITED
(Birla Paints Division)
Plot Nos. B-1 & D-02(P), Hi-Tech Valley,
Village: Dhanansu, District: Ludhiana. (PB)-141112



RD

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5	Process wastes, residues & sludges	21.1	90
6	Wastes or residues such as filter aid	23.1	68
7	Chemical-containing residue arising from decontamination	33.1	19
8	Exhaust Air or Gas cleaning residue	35.1	4
9	Spent ion exchange resin containing toxic metals	35.2	8
10	Chemical sludge from wastewater treatment	35.3	150
11	Oil and grease skimming	35.4	10
12	Spent Carbon	36.2	7.5

NOW THE DEED THEREFORE THOSE PRESENT WITNESSETH AND IT IS HEREBY DECLARED AND AGREED BY AND BETWEEN THE PARTIES HERE TO AS FOLLOWS:

1. To co-process the Hazardous Waste generated at **GIL-BPD** in safe way at SCL (Shree Cement Ltd) kilns, **GIL-BPD** shall share all information necessary to handle and store wastes safely.
2. **GIL-BPD** shall provide Material Safety Data Sheet (MSDS) and manifest form during the delivery of each consignment to SCL.
3. **SCL** will arrange the vehicle for transportations as and when required basis as per norms of the pollution board and applicable rules and laws. **GIL-BPD** will inform the details of waste and quantum available to SCL at least before four (4) days of dispatch. However, for regular working, frequency can be decided on quarterly/monthly basis.
4. **GIL-BPD** shall be responsible for loading and safe handling of the hazardous Waste. Title and risk to Hazardous waste shall stand transferred on loading of hazardous waste on the vehicle.
5. **GIL-BPD and SCL** shall take all the necessary clearances required from state environment authorities to transport and disposal the material for co-processing.
6. **SCL and GIL-BPD** shall keep all shared information / documents confidential related to the proposal.
7. **GIL-BPD** shall pack the hazardous waste as per the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, and the rules made by the Central Government under the Motor Vehicle Act, 1988 and other guidelines issued from time to time. Such packaging shall be able to withstand extreme physical and climatic conditions.
8. **GIL-BPD** shall try to provide the material being transported to **SCL Ras & Beawar site** must not exceed the parameters mentioned as under (to avoid disturbance in kiln).

S. No.	Parameters	Limit
1	Surface moisture in Solid Waste	< 40%
2	Chloride Content in both Liquid & Solid Waste	< 3%
3	Qty.	



[Signature]
GRASIM INDUSTRIES LIMITED
 (Birla Paints Division)
 Plot Nos: B-1 & D-02(P), Hi-Tech Valley,
 Village: Dhanansu, District: Ludhiana. (Pb)-141112

- d) **GIL-BPD** shall intimate the quantity, waste category, nature of waste to State Pollution Control Board after handing over the hazardous waste to the transporter as per manifest system (Form-10) shown below.

Copy Number with colour code	Purpose
Copy-1 (White)	To be forwarded by the sender to the State Pollution Control Board after signing all the seven copies.
Copy-2 (Yellow)	To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the transporter.
Copy-3 (Pink)	To be retained by the receiver (actual Co-Processor or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are to be duly signed by the receiver.
Copy-4 (Orange)	To be handed over to the transporter by the receiver after accepting waste.
Copy-5 (Green)	To be sent by the receiver to the State Pollution Control Board.
Copy-6 (Blue)	To be sent by the receiver to the sender.
Copy-7 (Grey)	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

- e) **GIL-BPD** shall forward **Form 10** (Manifest Copy - White) to State Pollution Control Board after handling over the hazardous waste to the transporter as per authorisation condition.
- f) **GIL-BPD** shall keep **Form 10** (Manifest Copy - Yellow) after taking signature on it from the transporter.
- g) **GIL-BPD** shall handover **Form 10** (Manifest) Copy - 3 to 7 (Pink, Orange, Green, Blue, and Grey) to transporter on behalf of SCL otherwise SCL will not accept the waste generated from **GIL-BPD**.
- h) Transporter shall submit copies 3 to 7 of the manifest duly signed with date to SCL (Operator of the facility) along with the waste consignment.
- i) **SCL** on completion of the co-processing of the hazardous waste shall forward copy 5 (Green) to CPCB and copy 6 (Blue) to **GIL-BPD** and the copy 3 (pink) shall be retained by the SCL (operator of the facility).
- j) **GIL-BPD** & **SCL** will adhere in stringent manner to the conditions issued in Hazardous Waste Authorizations/ Transportation Authorization for Co-processing of Hazardous waste by CPCB from time to time.

12. **Commercial Terms & Conditions:** - Commercial & Co-processing charges will be as per decided terms of Annexure-B attached herewith and part of the agreement.




GRASIM INDUSTRIES LIMITED
 (Birla Paints Division)
 Plot Nos. B-1 & D-02(P), Hi-Tech Valley,
 Village: Dhanansu, District: Ludhiana. (Pb)-141112

and all prior Agreements or arrangements, if any, in this behalf, by and between the parties hereto.

20. Nothing contained herein shall be deemed to constitute a partnership, joint venture or agency by and between the parties hereto.
21. This Agreement may be modified or amended only by writing, duly executed by or on behalf of the parties hereto.
22. Any terms and conditions of this Agreement may be waived at any time by the party that is entitled to the benefit thereof. Such waiver must be in writing and must be executed by an authorized officer of such party. A waiver on one occasion will not be deemed to be a waiver of the same or any other breach or non-fulfilment on a future occasion.
23. In the event SCL required to comply with any additional statutory regulations and guidelines framed by the concerned authorities or Government Agency relating to emission monitoring for demonstrating the performance of Co-processing of the Waste Material at SCL's Plant pursuant to the Agreement, the same shall be complied, the Co-processing charges will be revised reasonably on mutually agreed basis in advance and shall be borne by **GIL-BPD**.
24. In the event that any provisions of this Agreement is held to be illegal, invalid or unenforceable under any present or future law such provisions shall be deemed terminable and the remaining parts & provisions of this Agreement shall remain in full force & effect.
25. **Term:** This agreement is valid for One years (i.e., from 23rd November 2023 to 23rd November 2024). However, the agreement can be extended for further years by mutual consent & revised terms & condition agreed between both parties. Either party may terminate this agreement upon 60 days' prior notice to the other. Either party reserves the right to suspend or terminate this Agreement in the event of the other party committing any breach/violation of the condition of the present Agreement or any provision of applicable law or regulation for the time being in force. Both the Parties hereto agree that the present agreement shall automatically come to an end if the authorization granted by respective Pollution Board, to perform this agreement is revoked or terminated.
26. **Jurisdiction:** In case of any dispute or difference whatsoever arising between parties out of or in relation to construction, meaning, scope, operation or effect of the contract or validity or breach thereof including nullity of contract, parties shall make a good faith effort to amicably resolve such disputes. In the event of any dispute arising out of this agreement, Ras, Beawar Rajasthan shall have the sole jurisdiction in the matter. Any dispute arising on any clause or clauses of this Agreement and the contents of the Annexure, remaining unresolved hereto between the parties shall be referred to Arbitration. The Arbitration shall be governed by and conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or as amended. The arbitral award shall be final and binding upon both parties. The seat and venue of arbitration will be Bangalore.



GRASIM INDUSTRIES LIMITED
(Birla Paints Division)
Plot Nos. B-1 & D-02(P), Hi-Tech Valley,
Village: Dhanansu, District: Ludhiana. (Pb)-141112

Annexure A

List of Banned Items

The Hazardous Waste dispatched by GIL-BPD shall not contain following items that are listed as banned items for Co-processing.

- Anatomical Hospital Wastes (Bio-medical waste)
- Asbestos-containing Wastes
- Bio-hazardous Wastes
- Electronic Scrap
- Entire Batteries
- Explosives
- High-concentration Cyanide Wastes
- Mineral Acids
- Radioactive Wastes
- Unsorted Municipal Garbage


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responsible for the costs of any demurrage or detention charges due to delay in loading for more than 24 hours. The detention charges will be Rs 4000/- per day for each day delay after 24 hours.

9. Loading & proper packaging would be in scope of **Grasim Industries Ltd. - Birla Paint Division.**

10. **Agreement validity-** One Year (i.e., from ~~24th~~ ^{23rd} November 2023 to ~~23rd~~ ^{22nd} November 2024).

23rd - Phai

22nd - Phai

[Signature]

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