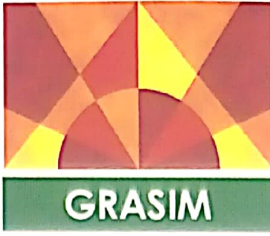


ADITYA BIRLA



20.12.2023

Deputy Director General of Forests (C)
Ministry of Env., Forest and Climate Change,
Integrated Regional Office,
Bays No. 24-25, Sector 31 A,
Dakshin Marg, Chandigarh – 160030

Subject: Submission of Environmental Clearance (EC) six-monthly compliance report as per EC conditions
Ref: EC No: EC21B023HR110104, **File No.:** SEIAA/HR/2021/461, dated: 31st December'21

Dear Sir,

We, M/s. Grasim Industries Limited (Birla Paints Division) as Integrated Paint Manufacturing Unit at Plot No. 48 to 62, HSIIDC Industrial Estate Panipat, Village Dadlana, Tehsil and Dist. Panipat, State Haryana. We have received the Environment Clearance (EC) on dated – 31st December'21.

We would like to share the latest update on the progress of the project as per the Environmental Clearance dated 31st Dec'21. Please find enclosed six-monthly compliance report of EC for your perusal.

We request you to accept the same.

Cc: Haryana Pollution Control Bord (HSPCB), Panipat

Thanking You.

Yours Faithfully,

For Grasim Industries Ltd.

Saurabh
Authorised Signatory

Saurabh Singh

SS
Site Head

Grasim Industries Limited
(Birla Paints Division)

Site Address : Plot No. 48 to 62, HSIIDC Industrial Area, Refinery Road, Panipat - - 132 140, Haryana
W : www.adityabirla.com



**ENVIRONMENTAL CLEARANCE
SIX MONTHLY COMPLIANCE
REPORT
December-2023**

EC Identification No.	EC21B023HR110104
File No.	SEIAA/HR/2021/461
Project/Activity including Schedule No.	5(h) Integrated paint industry
Name of Project	EC for Integrated Paint Manufacturing Unit in Plot No. 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 & 62, HSIIDC Industrial Estate Panipat, Village Dadlana, Tehsil and Dist. Panipat, State Haryana.
Name of Company/Organization	GRASIM INDUSTRIES LTD.
Location of Project	Haryana

Environmental Clearance Conditions Compliance

S. No.	Specific Conditions: -	Compliance	Annexures
1	The PP shall get the mandatory registration of boiler as per the Boiler Act 1923 and rules 1950 from the Chief Boiler Inspector.	Ground inspection cleared and certified. Boiler registration number received.	Annexure- 1 Boiler registration certificate
2	The PP shall ensure effective functioning of safety, drain valve, monitoring instruments of critical parameter through regular checks and maintain the record for it.	All safety aspect has been considered during the designing of process & equipment. Necessary compliance shall be ensured prior the plant is commissioned.	-----
3	Effluent shall be treated in the 150 KLD and should adhere to the HSPCB/CPCB Guidelines.	Industrial trade effluent will be treated in 170 KLD capacity of ETP followed by ZLD unit (RO, MEE & ATFD). ETP followed by ZLD plant installed to meet the effluent discharge norms regulated by HSPCB/CPCB.	-----
4	The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated wastewater being used for flushing in terms of faecal coli forms and other pathogenic bacteria.	Domestic wastewater/ sewage effluent will be treated in 30 KLD STP installed plant based on MBR technology and treated water will be passed through UV, considering sewage effluent discharge norms regulated by HSPCB/CPCB	-----
5	Separate wet and dry bins must be provided at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to dumping site.	Separate wet and dry bins provided for facilitating segregation of waste. Adequate area with shed would be provided for solid waste management within the premises to facilitate the segregation & composting of wet garbage through organic waste converter. Waste disposal shall be adhered through HSPCB authorized recyclers/TSDF. HAzardous waste authorisation received from HSPCB.	-----
6	The PP shall prepare an Action Plan for solvent recovery and their emission control and details of solvent to be used.	Solvent Recovery Plant erection work in progress.	-----
7	The PP shall make arrangement to control the process emission from the proposed unit.	Air pollution control devices such as stacks, scrubbers & dust collectors are installed to adhere the various process emission as per prescribed limits by CPCB/HSPCB.	-----
8	The PP shall monitor the ambient air quality of emissions from the project shall include VOC, other process specific pollutants like NH ₃ , Cl, HBr, H ₂ S, HF etc. (as applicable).	Currently we are conducting Ambient air monitoring for construction phase relevant parameters through HSPCB recognised Lab.	Annexure-2 Ambient Air quality monitoring report

S. No.	Specific Conditions: -	Compliance	Annexures
9	The PP shall prepare the work zone monitoring arrangements for hazardous chemicals.	It is noted and will be complied.	----
10	The PP shall prepare the detailed effluent treatment scheme including segregation of effluent streams for unit adopting ZLD.	Effluent segregated based on their characteristics and treatment plant has been installed to ensure ZLD.	----
11	No lead and chromium-based paint shall be manufactured.	It is noted and will be complied.	----
12	The PP shall prepare the action plan for odour control and utilization of MEE/ Dryers Cells.	Close loop system has been designed to control the odour, VOC emission during process and to maintain minimal atmospheric exposure of the chemical/ solvent in the environment.	----
13	The PP shall submit the details of incinerator, if to be installed.	Not applicable	----
14	The PP shall prepare the Risk Assessment Action Plan for safety, storage and handling of hazardous chemicals.	Detailed risk assessment and action plan prepared & PSSR is in progress area wise.	----
15	The PP shall use material safety data sheets for all the chemicals being used or will be used.	It is noted and will be complied.	----
16	The PP shall ensure health and safety of the workers engaged in handling of toxic materials.	It is noted and will be complied.	----
17	No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 93555 Sqm (33%) shall be provided for green area development.	Noted for compliance. Green belt development is in under progress as per plan submitted during EC granting.	----
18	The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	It is noted and will be complied.	----

S. No.	Specific Conditions: -	Compliance	Annexures
19	Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.	Consent to Operate has been issued by HSPCB (No. HSPCB/Consent/ : 313096423PITCTO38848882 ,Dated:10/10/2023).	Annexure-3 Consent to Operate copy
20	The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of firefighting equipment's etc. as per National Building Code including protection measures from lightening etc.	Structural stability certificate issued by a Competent person.	-----
21	The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA	Not applicable	-----
22	23 Rainwater harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms and one pond	Not applicable	-----
23	The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 23 RWH pits.	Not applicable as we are going for any ground water extraction.	-----
24	The PP shall get permission of 2.0 & 0.5 TPH boiler from Haryana Boiler Inspection Department	Permission received	-----
25	The PP shall record the details of total organic solvent used for the process in the unit	It is noted and will be complied.	-----
26	The PP shall take all precautions to the use of chemicals and their vapours to manage the fire accident.	Close loop system has been designed to control the VOC emission during process and to maintain minimal atmospheric exposure of the chemical/ solvent.	-----
27	As proposed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit	All industrial trade effluent will be treated in ETP followed by ZLD unit shall adhere the effluent discharge norms regulated by HSPCB/CPCB. ZLD treated effluent will be reused in utility. Treated sewage water will be used in gardening.	-----
28	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the	Air pollution control devices such as stacks, scrubbers & dust collectors are installed to	-----

S. No.	Specific Conditions: -	Compliance	Annexures
	prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines	adhere the various process emission as per prescribed limits by CPCB/HSPCB.	
29	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Hazardous waste authorization under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	Annexure-4 Hazardous waste Authorization copy
30	Solvent management shall be carried out as follows:		----
30.1	Reactor shall be connected to chilled brine condenser system	Chiller/cooling water line connected to reactor limpt and jackets	----
30.2	Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Mechanical seals are available for all solvent handling pumps	----
30.3	The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 99% recovery	it is complied and Solvent recovery plant installation under progress.	----
30.4	Solvents shall be stored in a separate space specified with all safety measures	Solvent storage in separate tank farm area. All state-of-the-art safety measures has been taken.	----
30.5	Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done	For fixed type equipment double earthing provided & for portable type earthing clam will be used	----
30.6	Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses	Wherever solvent and other flammable chemicals are handled, area Equipments are suitably of flameproof type.	----
30.7	All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation	Chiller/cooling water line connected to reactor limpt and jackets	----
31	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond	It is noted and will be complied. Strome water reservoir constructed at site.	----
32	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps	All hazardous chemicals will be stored in designated tank farm area and all safety measures shall be ensured during tank farm construction and installation.	----
33	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF	All hazardous waste shall be disposed as per Hazardous waste authorization to GEPIL under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	----

S. No.	Specific Conditions: -	Compliance	Annexures
34	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	It is noted and will be complied.	----
35	The company shall undertake waste minimization measures as below:		
35.1	Metering and control of quantities of active ingredients to minimize waste.	It is noted and will be complied.	----
35.2	Reuse of by-product from the process as raw materials or as raw material substitutes in other processes	Not applicable	----
35.3	Use of automated filling to minimize spillage	Packing machines are automated, trial runs WIP	----
35.4	Use of Close Feed system into batch reactors	It is noted and will be complied.	----
35.5	Venting equipment through vapour recovery system	Vapor recovery system will be used to condensate and collect vapours to ensure minimum waste	----
35.6	Use of high-pressure hoses for equipment clearing to reduce wastewater generation	Complied, high pressure hose procured	----
36	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Fire Fighting Scheme & Fire NOC has been approved by Fire Service Department, Haryana	Annexure-5 Fire NOC copy
37	Raw material storage should not exceed threshold limit.	It is noted and will be complied.	----
38	Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance	It is noted.	----
39	Adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project	Adequate parking space is provided.	----
40	The no. of in-bound & out-bound vehicles (1351 PCU/Hr.) and the running hours per day (8 hours) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.	Incremental Pollution Load considered as per in-bound & out-bound vehicles (1351 PCU/Hr.) and the running hours per day of Gensets.	----

S. No.	Specific Conditions: -	Compliance	Annexures
41	We undertake to use Dual Fired (HSD/Gas) for Boiler, Thermopacs and Emergency Generator, further we would use gas as soon as the same is made available at out plot boundary by the concerned authorities in the line with NCAP/GRAP guidelines.	It is noted and will be complied. Boiler, Thermopacs and Emergency Gas genset provided with Natural gas fuel.	----
42	The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; wastewater would be treated to tertiary level & would be used with the installation of "Dual plumbing".	It is noted and will be complied.	----
43	Statutory Compliance:		
43.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable	----
43.2	The project proponent shall obtain clearance from the National Board for wildlife, if applicable.	Not applicable	----
43.3	The Project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendation 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-1 species in the study area).	Not applicable	----
43.4	The project proponent shall obtain Consent to establish/operate under the provision of air (Prevention & Control pollution) Act, 1981 and the water (Prevention & control of pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	Consent to Operate has been issued by HSPCB (No. HSPCB/Consent/ : 313096423PITCTO38848882 ,Dated:10/10/2023).	----
43.5	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as attended from time of time.	Hazardous waste authorization under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	----

S. No.	Specific Conditions: -	Compliance	Annexures
43.6	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MJVA), 1989.	It is noted and will be complied.	----
44	Air quality monitoring and preservation:		
44.1	The project proponent shall install 24*7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	CEMS system installed at all stacks for continuous emission monitoring. Connectivity with CPCB/ SPCB server is in progress. Before starting the process it will be done.	----
44.2	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	It is noted and will be complied.	----
44.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.	AAQMS system installed to carryout Ambient Air Quality monitoring an angle of 120 each, covering upwind and downwind directions.	----
44.4	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% in the coal for use in coal fired boilers to control particulate emissions within Permissible limits (as applicable). The gaseous	The Gaseous fuel will be used for Boilers, Thermopack & Emergency Generator sets. All stacks are at 35-meter height from ground level and conforming to CPCB/SPCB norms. Scrubber & dust collector installed in each process block to control fugitive emissions.	----- -----

S. No.	Specific Conditions: -	Compliance	Annexures
	emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.		
44.5	Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Coal: Not applicable, other powder material shall be stored in silo.	----
44.6	National Emission Standard for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608 (E) dated 21st July 2010 and amended from time to time shall be followed.	It is noted and will be complied	----
44.7	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16th November,2009 shall be complied with	Monitoring of the ambient air quality is done as per MoEF & CC guideline from HSPCB recognised lab.	----
45	Water quality monitoring and preservation:		
45.1	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).	Online continuous monitoring system of effluent, PTZ web camera with night vision capability and flow meters installation under progress.	----
45.2	As already committed by the project proponent. Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).	ETP followed By ZLD system (RO, MEE & ATFD) installed.	----
45.3	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 is more stringent.	ZLD system installed to meet effluent discharge standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the HSPCB in CTO.	----
45.4	Total freshwater requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	It is noted and will be complied	----

S. No.	Specific Conditions: -	Compliance	Annexures
45.5	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	It is noted and will be complied. Storm water reservoir constructed at site.	----
45.6	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Noted for compliance. Rain water harvesting system developed at site as per plan submitted during granting the EC. Harvested rainwater to be reused to reduce freshwater consumption.	----
45.7	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.	Gas set will be provided with adequate height 30 meter as per CPCB norms.	----
46	Noise monitoring and prevention:		
46.1	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied with 25db insertion loss.	----
46.2	The overall noise levels in and around the plant areas shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	It is noted and monitoring of the workplace noise level during construction phase is being done Quarterly basis. Half year reports will be submitted to HSPCB	Annexure-6: Noise monitoring reports are attached.
46.3	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986, viz. 75dB(A) during daytime and 70 dB(A) during night-time.	Being complied.	----
47	Energy Conservation measures		
47.1	The energy sources for lighting purposes shall preferably be LED based	Entire plant lighting provided with LED.	----
47.2	The PP will follow guidelines of ECBC required for industrial projects	It is noted and will be complied.	----
48	Waste management		
48.1	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps. Process organic residue and spent carbon, if any, shall be sent to cement industries, ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	It is noted and will be complied. All hazardous waste shall be disposed as per Hazardous waste authorization to GEPIL under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	----

S. No.	Specific Conditions: -	Compliance	Annexures
	The company shall undertake waste minimization measures as below: -		
48.2	Metering and control of quantities of active ingredients to minimize waste.	It is noted and will be complied	----
48.3	Reuse of by-products from the process as raw materials or as raw material substitutes in the other process.	Not applicable	----
48.4	Use of automated filling to minimize spillage.	It is noted and will be complied	----
48.5	Use of Close Feed system into batch reactors.	Close loop system has been designed to control the VOC emission	----
48.6	Venting equipment through vapours recovery system.	Vapor recovery system will be used to condensate and collect vapours to ensure minimum waste	----
48.7	Use of high-pressure hoses for equipment cleaning to reduce wastewater generation.	It is noted and will be complied	----
49	Green Belt:		
49.1	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Noted for compliance. Green belt development is in under progress as [per plan submitted during granting the EC.	----
50	Safety, Public hearing and Human health issues:		
50.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management prepared & approved.	----
50.2	The PP shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	It is noted and will be complied	----
50.3	iii. 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, crèche etc. The housing may be in the form of	It is noted and complied.	----

S. No.	Specific Conditions: -	Compliance	Annexures
	temporary structure to be removed after the completion of the project.		
50.4	Occupational health surveillance of the worker shall be done on a regular basis and records maintained as per the Factories Act.	Pre-employment and Periodical medical examinations are being done for all workers as per HBOCW rule.	-----
51	Corporate Environment Responsibility:		
51.1	The project proponent shall comply with the Corporate Environment Responsibility.	It is noted and will be complied. Pond rejuvenation at Azizullapur village (UID: 02HRPPTPAN0001AZIZ001) is completed as per digital survey, approved drawing & BOQ and same informed to HPWWMA. Now model pond civil work has been started by M/s Mamta Chhaya as per approved architectural drawing. To provide Solar lighting & solar lighting system in nearby villages & school is initiated through Renewable Energy department, Haryana.	-----
51.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and /or shareholders/stake stakeholders. The copy of the board resolution in this regard shall be submitted to the MOEF & CC as a part of the six-monthly report.	Environmental Policy has been laid down and displayed at site.	Annexure-7 Environmental policy
51.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	Separate Environmental cell has been established with qualified EHS professionals.	-----

S. No.	Specific Conditions: -	Compliance	Annexures
51.4	Action plan for implementing EMP and Environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The Year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted and for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	EMP Action plan has been prepared and approved by the Senior Management and same under implementation. Separate funds are allocated for environmental protection measures reports.	Annexure-8 EMP plan
51.5	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	It is noted and will be complied once manufacturing process started at site.	-----
51.6	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) shall be implemented.	It is noted and will be complied	-----
52	Miscellaneous		
52.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	As per EC order, Company was given advertisement in two local newspapers of the District/State within 7 days (dated 06/01/2022) from EC granted by SEIAA (dated 31/12-2021). Copy of Times of India & Panjab Kesari will be attached.	-----
52.2	The copies of the environmental clearance shall be submitted by the project proponents to the heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	As per EC order, environmental clearance copy has be submitted to HSIIDC office and Gram panchayat to display for 30 days in public favour.	-----
52.3	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.	Being complied.	-----

S. No.	Specific Conditions: -	Compliance	Annexures
52.4	The project proponent shall monitor the criteria pollutants level namely:PM10, SO2 , NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Environmental monitoring being complied, and critical parameters are being displayed on environmental green display board at prominent location.	-----
52.5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being complied	-----
52.6	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 put on the website of the company.	It is noted and will be complied once manufacturing process started at site.	-----
52.7	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	It is noted and will be complied	-----
52.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State government.	It is noted and will be complied	-----
52.9	The project proponent shall abide by the all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	It is noted and will be complied	-----
53	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	It is noted and will be complied	-----

S. No.	Specific Conditions: -	Compliance	Annexures
53.1	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.)	It is noted.	----
53.2	The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	It is noted.	----
53.3	The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	It is noted and will be complied	----
53.4	The Regional Office of this Ministry shall monitor compliance of the stipulate conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	It is noted.	----
53.5	The above conditions shall be enforced, inter-alia under the provisions of the Water (Presentation & Control of Pollution), Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986. Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other order passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	It is noted and will be complied	----
53.6	Any appeal against this EC shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	It is noted and will be complied	----
53.7	The Project Proponent should intimate to the Authority as well as to the quarter concerned in case of any change in the present communication address.	It is noted and will be complied	----

ANNEXURES

Annexure-1	Boiler registration certificate
Annexure-2	Ambient Air Monitoring Reports
Annexure-3	Consent to Operate (CTE)
Annexure-4	Hazardous waste authorization
Annexure-5	Fire NOC
Annexure-6	Noise monitoring reports
Annexure-7	Environmental Policy
Annexure-8	Environment Management plan

Annexure -1
Boiler Registration Certificate

Department of Industries and Commerce, Haryana

Department of Industries & Commerce, Haryana

From

The Chief Inspector of Boilers,
Haryana,
Room No. 60, 1st floor, 30 bays building, Sector-17B, Chandigarh

To

M/s [GRASIM INDUSTRIES LIMITED]
[PLOT NO 48-62, HSIIDC INDUSTRIAL ESTATE, VILLAGE DADLANA, PANIPAT]
[Panipat]

Memo
No.

0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---

Dated

1	3	0	6	2	0	2	3
---	---	---	---	---	---	---	---

Subject: Issue of Registration number to boiler maker No [FVPL-22-3967]

It is to inform you that your aforesaid boiler has been registered. Please find enclosed herewith boiler Registration No. [] slip to your subject-cited boiler.

This registration number is to be paste on the front plate of the boiler at a suitable place and engrave as in Black 1/64" deep on shell plate within one month under intimation to this office.

Please acknowledge the receipt.

Encl: as above



Chief Inspector of Boilers,
Haryana.

Verification Link: <https://haryanaindustries.gov.in/msme/verify/boilerreguralcertificate/refno/>

Department of Industries and Commerce, Haryana

Department of Industries & Commerce, Haryana

To
M/s [GRASIM INDUSTRIES LIMITED]
[PLOT NO 48-62, HSIIDC INDUSTRIAL ESTATE, VILLAGE DADLANA, PANIPAT]
[Panipat]
Makers number : [FVPL-22-3967]
Type Of Boiler : [Smoke/ Fire tube]
Boiler Rating : []
Working Pressure : [10.55]
Registration Number : [REDACTED]

Please paste this slip on front plate of the boiler at a suitable place and engrave as in black 1/64" deep and report.



Chief Inspector of Boilers,
Haryana.

Verification Link: <https://haryanaindustries.gov.in/msme/verify/boilerreguralcertificate/refno/>

FORM VI

CERTIFICATE FOR USE OF A BOILER
(Regulation 389)

Registry Number of Boiler Type of Boiler [Smoke/ Fire tube]

Boiler Rating []

Maximum Continuous Evaporation []

Name of Owner [GRASIM INDUSTRIES LIMITED]

Situation of Boiler [PLOT NO 48-62, HSIIDC INDUSTRIAL ESTATE, VILLAGE DADLANA, PANIPAT]

Repairs []

Remarks []

Hydraulically Tested on [2023-01-31] to [15.83]

I hereby certify that the above described boiler is permitted by me/ the Chief Inspector under the provisions of Section 7/8 of the Indian Boilers Act, No. V of 1923, to be worked at a maximum pressure of [] kg/cm² for the period from [] to []..

The loading of the [] safety valve and spring loaded is not to exceed []

Fee Rs. [] paid on []

Dated : []

Chief Inspector of Boilers,
HaryanaVerification Link: <https://haryanaindustries.gov.in/msme/verify/boilerregulercertificate/refno/>

Annexure-2
Ambient Air Quality Monitoring Report



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road,
Panipat (HR) 132103

Report No. : HTH/EP/230708008
ULR No. : TC781123100004823F
Party's Ref No. : Nil
Booking Date : 08/07/2023
Period of Testing : 08/07/2023 To 14/07/2023
Reporting Date : 14/07/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 07/07/2023 (10:00 Hrs) to 08/07/2023 (10:00 Hrs)
Sample Location : Near Transformer Area
Instrument used : RDS Model APM- 860 (Sr. No. 230 DTK 2016)
Instrument Calibration Status : Calibrated (upto 29.03.2024)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.19 m³/min
2. Total volume of air sampled : 1713.60 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	61.86	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	39.92	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	17.51	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	36.77	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.37	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	22.38	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.344	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ-0.02)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

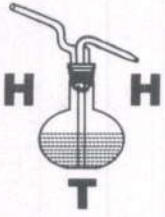
Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
14.07.2023
Review by

Md. Asfar Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road,
Panipat (HR) 132103

Report No. : HTH/EP/230715005
ULR No. : TC781123100004983F
Party's Ref No. : Nil

Booking Date : 15/07/2023
Period of Testing : 15/07/2023 To 20/07/2023
Reporting Date : 20/07/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 13/07/2023 (10:00 Hrs) to 14/07/2023 (10:00 Hrs)
Sample Location : Near L&T Site
Instrument used : RDS Model APM- 860 (Sr. No. 230 DTK 2016)
Instrument Calibration Status : Calibrated (upto 29.03.2024)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.21 m³/min
2. Total volume of air sampled : 1767.01 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	85.45	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	41.95	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	19.59	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	35.75	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	22.43	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	16.85	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.687	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ(LOQ:0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ(LOQ:0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ:0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

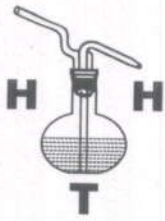
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
20.07.2023
Review by

Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230722084 ULR No. : TC781123100005162F Party's Ref No. : Nil Booking Date : 22/07/2023 Period of Testing : 22/07/2023 To 27/07/2023 Reporting Date : 27/07/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Integrated Paint Manufacturing Unit
Date & time of sampling	: 21/07/2023 (10:00 Hrs) to 22/07/2023 (10:00 Hrs)
Sample Location	: Near Smartchem Gate
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative
A. Observations:	
1. Sampling flow rate (Avg.)	: 1.20 m ³ /min
2. Total volume of air sampled	: 1728.00 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	85.76	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	43.66	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	20.52	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	35.26	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.27	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	17.28	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

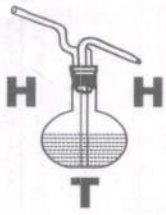
Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
22-07-2023
Review by

Md. Asfak Ansari
23/07/23
Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230630004 ULR No. : TC781123100004575F Party's Ref No. : Nil Booking Date : 30/06/2023 Period of Testing : 30/06/2023 To 06/07/2023 Reporting Date : 06/07/2023
Sample Description : Ambient Air Quality Monitoring	

Type of Industry	: Paint Industry
Date & time of sampling	: 29/06/2023 (10:00 Hrs) to 30/06/2023 (10:00 Hrs)
Sample Location	: Near Smartchem Gate
Instrument used	: RDS Model APM- 860 (Sr. No. 230 DTK 2016)
Instrument Calibration Status	: Calibrated (upto 29.03.2024)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative
A. Observations:	
1. Sampling flow rate (Avg.)	: 1.27 m ³ /min
2. Total volume of air sampled	: 1821.60 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	87.40	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	45.74	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	18.67	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	39.34	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	27.23	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	22.96	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.344	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ(LOQ:0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ(LOQ:0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ:0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

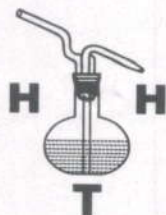
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
06-07-2023
Review by

Ashish Sharma
06/07/2023
Ashish Sharma
G.M. (Tech.)

Page No.: 1 of 1

Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousesecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230729028 ULR No. : TC781123100005385F Party's Ref No. : Nil Booking Date : 29/07/2023 Period of Testing : 29/07/2023 To 04/08/2023 Reporting Date : 04/08/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Integrated Paint Manufacturing Unit
Date & time of sampling	: 28/07/2023 (10:00 Hrs) to 29/07/2023 (10:00 Hrs)
Sample Location	: Near L&T Site
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative
A. Observations:	
1. Sampling flow rate (Avg.)	: 1.20 m ³ /min
2. Total volume of air sampled	: 1720.80 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	87.11	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	44.08	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	16.63	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	36.85	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.66	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	20.58	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.573	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kim h
04.08.2023
Review by

Md. Asfak Ansari
04/08/23
Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230816005
ULR No. : TC781123100005842F
Party's Ref No. : Nil
Booking Date : 16/08/2023
Period of Testing : 16/08/2023 To 21/08/2023
Reporting Date : 21/08/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Integrated Paint Manufacturing Unit
Date & time of sampling : 13/08/2023 (10:00 Hrs) to 14/08/2023 (10:00 Hrs)
Sample Location : Near Smartchem Gate
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.20 m³/min
2. Total volume of air sampled : 1728.00 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	86.75	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	45.33	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	21.88	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	37.93	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.28	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	18.54	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.687	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

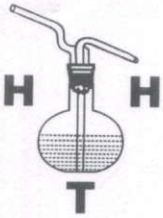
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh.
21-08-2023
Review by

Md. Asif Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230826001
ULR No. : TC781123100006071F
Party's Ref No. : Nil

Booking Date : 26/08/2023
Period of Testing : 26/08/2023 To 01/09/2023
Reporting Date : 01/09/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 25/08/2023 (10:00 Hrs) to 26/08/2023 (10:00 Hrs)
Sample Location : Near Transformer Area
Instrument used : RDS Model APM- 860 (Sr. No. 230 DTK 2016)
Instrument Calibration Status : Calibrated (upto 29.03.2024)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.20 m³/min
2. Total volume of air sampled : 1720.80 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	92.92	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	49.48	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	21.88	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	39.51	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	26.21	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	19.09	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.573	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
01.09.2023
Review by

Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230805001 ULR No. : TC781123100005607F Party's Ref No. : Nil Booking Date : 05/08/2023 Period of Testing : 05/08/2023 To 11/08/2023 Reporting Date : 11/08/2023
---	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 04/08/2023 (10:00 Hrs) to 05/08/2023 (10:00 Hrs)
Sample Location	: Near Transformer Area
Instrument used	: RDS Model APM- 860 (Sr. No. 230 DTK 2016)
Instrument Calibration Status	: Calibrated (upto 29.03.2024)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.22 m³/min
2. Total volume of air sampled : 1749.60 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	91.39	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	49.48	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	19.82	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	40.96	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.27	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	19.79	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ:0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ:0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ:0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

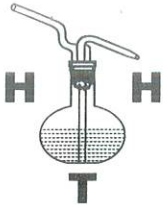
Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh.
11-08-2023
Review by

Md. Asfak Ansari
Sr. Manager (Env.)

Page No.: 1 of 1

- Note :
1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
 2. The results contained in this test report pertains only to the sample tested not for the whole lot.
 3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
 4. Total liability of Haryana Test House is limited to the invoiced amount only.
 5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unless otherwise specified.
 7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouses@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230912010 ULR No. : TC781123100006421F Party's Ref No. : Nil Booking Date : 12/09/2023 Period of Testing : 12/09/2023 To 18/09/2023 Reporting Date : 18/09/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 08/09/2023 (10:00 Hrs) to 09/09/2023 (10:00 Hrs)
Sample Location	: Near L&T Site
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.)	: 1.18 m ³ /min
2. Total volume of air sampled	: 1699.20 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	91.93	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	49.90	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	21.55	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	42.42	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.14	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	16.78	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

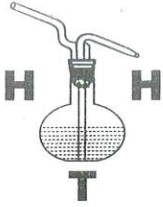
End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
18.09.2023
Review by

HARYANA TEST HOUSE
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230918003 ULR No. : TC781123100006609F Party's Ref No. : Nil Booking Date : 18/09/2023 Period of Testing : 18/09/2023 To 23/09/2023 Reporting Date : 23/09/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 15/09/2023 (10:00 Hrs) to 16/09/2023 (10:00 Hrs)
Sample Location	: Near Transformer Area
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative
A. Observations:	
1. Sampling flow rate (Avg.)	: 1.19 m ³ /min
2. Total volume of air sampled	: 1713.60 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	87.48	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	46.57	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	16.12	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	31.65	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	33.86	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	17.21	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.573	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

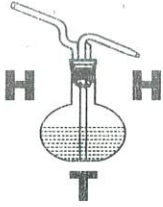
Review by

(Signature)
23.9.23



Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230922032

ULR No. : TC781123100006711F

Party's Ref No. : Nil

Booking Date : 22/09/2023

Period of Testing : 22/09/2023 To 28/09/2023

Reporting Date : 28/09/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 21/09/2023 (10:00 Hrs) to 22/09/2023 (10:00 Hrs)
Sample Location : Near Smartchem Gate
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.16 m³/min
2. Total volume of air sampled : 1670.40 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	93.93	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	51.15	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	20.06	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	40.40	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.23	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	19.78	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

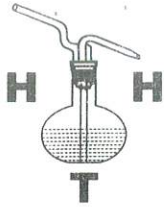
End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
28.09.2023
Review by

HARYANA TEST HOUSE
28/09/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230928044 ULR No. : TC781123100006967F Party's Ref No. : Nil
	Booking Date : 28/09/2023 Period of Testing : 28/09/2023 To 06/10/2023 Reporting Date : 06/10/2023

Sample Description	: Stack Emission (DG No. 1, 62.5 KVA)
Type of Industry	: Paint Industry
Name of Plant/ Section	: DG Section
Date of sampling	: 28/09/2023
Capacity of DG	: 62.5 KVA (DG No. 1)
Source of Emission	: Stack Attached to DG
Instrument used	: Stack Sampler VSS1 (Sr.No. 247 DTK 2019)
Instrument Calibration Status	: Calibrated (upto 26.12.2023)
Type of stack	: Metal
Type of Fuel used	: HSD
Stack height (from the ground level)	: 6 feet
Stack diameter (at the sampling point)	: 3 inch
Sample Location	: As Per Standard Norms
Purpose of sampling	: Monitoring
Sample collected by	: By our Lab. Representative

A Observations	
1. Stack gas temperature, °C	: 140.0
2. Temperature at Metering point, °C	: 36.0
3. Avg. stack gas velocity, m/sec	: 8.36
4. Sampling flow rate, Lt./min.	: 26.0
5. Period of sampling, Minutes	: 30.0
6. Volumetric flow rate, Nm ³ / Hr	: 95.16

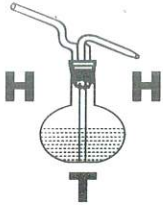
B Results		Units	Result	Standard Limit	Test Method
S.N. Test Parameters					
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	gm/kwh	0.11	0.30 Max	IS 11255 (Part-I) : 1985
2	Nitrogen Dioxide (NO _x)	gm/kwh	0.58	--	HTH/QF/7.2/2/CH-02, SOP No-23
3	Carbon Monoxide (CO)	gm/kwh	0.55	3.50 Max	HTH/QF/7.2/2/CH-02, SOP No-23
4	Total Hydrocarbon (HC)	gm/kwh	0.03	--	IS 11255 : Part 15 : 2019
5	Nitrogen Dioxide + Total Hydrocarbon (NO _x + HC)	gm/kwh	0.61	4.7 Max	By Calculation

End of Report

Kimh
06.10.2023
Review by

HARYANA TEST HOUSE
Auth. Sign
06/10/2023
Basudev Singh
T. M. (Chemical)

Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230928045
ULR No. : TC781123100006968F
Party's Ref No. : Nil
Booking Date : 28/09/2023
Period of Testing : 28/09/2023 To 06/10/2023
Reporting Date : 06/10/2023

Sample Description : Stack Emission (DG No. 2, 62.5 KVA)
Type of Industry : Paint Industry
Name of Plant/ Section : DG Section
Date of sampling : 28/09/2023
Capacity of DG : 62.5 KVA (DG No. 2)
Source of Emission : Stack Attached to DG
Instrument used : Stack Sampler VSS1 (Sr.No. 247 DTK 2019)
Instrument Calibration Status : Calibrated (upto 26.12.2023)
Type of stack : Metal
Type of Fuel used : HSD
Stack height (from the ground level) : 6 feet
Stack diameter (at the sampling point) : 3 inch
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 124.0
- Temperature at Metering point, °C : 36.0
- Avg. stack gas velocity, m/sec : 8.38
- Sampling flow rate, Lt./min. : 27.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 99.23

B Results

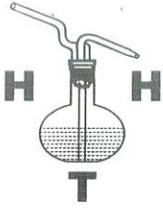
S.N.	Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution					
1	Particulate Matter (PM)	gm/kwh	0.09	0.30 Max	IS 11255 (Part-I) : 1985
2	Nitrogen Dioxide (NOx)	gm/kwh	0.59	--	HTH/QF/7.2/2/CH-02, SOP No-23
3	Carbon Monoxide (CO)	gm/kwh	0.20	3.50 Max	HTH/QF/7.2/2/CH-02, SOP No-23
4	Total Hydrocarbon (HC)	gm/kwh	0.03	--	IS 11255 : Part 15 : 2019
5	Nitrogen Dioxide + Total Hydrocarbon (NOx + HC)	gm/kwh	0.62	4.7 Max	By Calculation

End of Report

Kimh
06.10.2023
Review by

HTH ANAT ST HOUSE
Asst. Sign
06/10/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230928046
ULR No. : TC781123100006969F
Party's Ref No. : Nil
Booking Date : 28/09/2023
Period of Testing : 28/09/2023 To 06/10/2023
Reporting Date : 06/10/2023

Sample Description : Stack Emission (DG No. 3, 62.5 KVA)
Type of Industry : Paint Industry
Name of Plant/ Section : DG Section
Date of sampling : 28/09/2023
Capacity of DG : 62.5 KVA (DG No. 3)
Source of Emission : Stack Attached to DG
Instrument used : Stack Sampler VSS1 (Sr.No. 247 DTK 2019)
Instrument Calibration Status : Calibrated (upto 26.12.2023)
Type of stack : Metal
Type of Fuel used : HSD
Stack height (from the ground level) : 6 feet
Stack diameter (at the sampling point) : 3 inch
Sample Location : As Per Standard Norms
Purpose of sampling : Monitoring
Sample collected by : By our Lab. Representative

A Observations

- Stack gas temperature, °C : 139.0
- Temperature at Metering point, °C : 36.0
- Avg. stack gas velocity, m/sec : 8.44
- Sampling flow rate, Lt./min. : 26.0
- Period of sampling, Minutes : 30.0
- Volumetric flow rate, Nm³/ Hr : 96.30

B Results

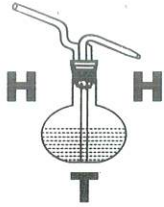
S.N. Test Parameters	Units	Result	Standard Limit	Test Method
Discipline: Chemical, Group: Atmospheric Pollution				
1 Particulate Matter (PM)	gm/kwh	0.13	0.30 Max	IS 11255 (Part-I) : 1985
2 Nitrogen Dioxide (NOx)	gm/kwh	0.62	--	HTH/QF/7.2/2/CH-02, SOP No-23
3 Carbon Monoxide (CO)	gm/kwh	0.24	3.50 Max	HTH/QF/7.2/2/CH-02, SOP No-23
4 Total Hydrocarbon (HC)	gm/kwh	0.03	--	IS 11255 : Part 15 : 2019
5 Nitrogen Dioxide + Total Hydrocarbon (NOx + HC)	gm/kwh	0.65	4.7 Max	By Calculation

End of Report

Kimh
06.10.2023
Review by

Auth. Sign
06/10/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930005 ULR No. : TC781123100006998F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 29/09/2023 (10:00 Hrs) to 30/09/2023 (10:00 Hrs)
Sample Location	: Near Power House
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.)	: 1.22 m ³ /min
2. Total volume of air sampled	: 1756.80 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	89.14	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	46.57	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	17.04	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	37.01	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	23.29	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	22.53	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.687	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

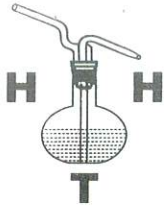
End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
07-10-2023
Review by

Basudev Singh
07/10/2023
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930006 ULR No. : TC781123100006974F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
--	--

Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry : Paint Industry
Sample Location : Near Entry Gate
Instrument used : Sound Level Meter (HTH/AP/12/SLM-03)
Instrument Calibration Status : Calibrated (upto 07.07.2024)
Date of measurement : 29/09/2023
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline – Chemical, Group – Atmospheric Pollution -							
1	Day time (06:00 AM to 10:00 PM)	70.2	69.4	72.6	71.9	73.4	72.6
2	Night time (10:00 PM to 06:00 AM)	60.9	64.8	65.2	63.8	64.7	63.7

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
		Lmin	Lmax	Leq	
1	Day time (06:00 AM to 10:00 PM)	69.4	73.4	71.9	75 max
2	Night time (10:00 PM to 06:00 AM)	60.9	65.2	64.1	70 max

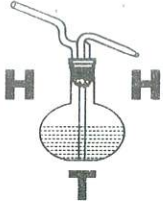
End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period
CPCB Standard as per Noise Pollution Rules, 2000

Kimh
07-10-2023
Review by

Basudev Singh
07/10/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services



TC-7811



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230930007

ULR No. : TC781123100006975F

Party's Ref No. : Nil

Booking Date : 30/09/2023

Period of Testing : 30/09/2023 To 07/10/2023

Reporting Date : 07/10/2023

Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry : Paint Industry
Sample Location : South East Corner
Instrument used : Sound Level Meter (HTH/AP/12/SLM-02)
Instrument Calibration Status : Calibrated (upto 29.03.2024)
Date of measurement : 29/09/2023
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline – Chemical, Group – Atmospheric Pollution -							
1	Day time (06:00 AM to 10:00 PM)	72.9	68.9	70.9	73.4	72.6	70.9
2	Night time (10:00 PM to 06:00 AM)	65.9	60.9	58.7	60.9	59.2	62.4

TEST RESULTS

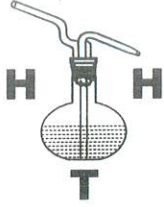
S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
		Lmin	Lmax	Leq	
1	Day time (06:00 AM to 10:00 PM)	68.9	73.4	71.9	75 max
2	Night time (10:00 PM to 06:00 AM)	58.7	65.9	62.1	70 max

End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period
CPCB Standard as per Noise Pollution Rules, 2000

Kimh
07-10-2023
Review by

HARYANA TEST HOUSE
Auth. Sign
Basudev Singh
T. M. (Chemical)



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930008 ULR No. : TC781123100006976F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
---	--

Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry	: Paint Industry
Sample Location	: North East Corner
Instrument used	: Sound Level Meter (HTH/AP/12/SLM-01)
Instrument Calibration Status	: Calibrated (upto 07.07.2024)
Date of measurement	: 29/09/2023
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline – Chemical, Group – Atmospheric Pollution -							
1	Day time (06:00 AM to 10:00 PM)	70.8	71.2	72.9	71.9	72.4	73.9
2	Night time (10:00 PM to 06:00 AM)	60.8	57.9	61.7	62.6	63.8	62.7

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
		Lmin	Lmax	Leq	
1	Day time (06:00 AM to 10:00 PM)	70.8	73.9	72.3	75 max
2	Night time (10:00 PM to 06:00 AM)	57.9	63.8	61.9	70 max

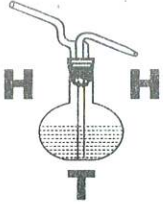
End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period
CPCB Standard as per Noise Pollution Rules, 2000

Kimh
07-10-2023
Review by

Basudev Singh
07-10-2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930009 ULR No. : TC781123100006994F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
--	--

Sample Description : Lux Level Monitoring

Type of Industry	: Paint Industry
Sample Location	: South West Corner
Instrument used	: Lux Level Meter (HTH/AP/13/LuxM-01)
Instrument Calibration Status	: Calibrated (upto 29.03.2024)
Date of measurement	: 28/09/2023
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline - Chemical, Group - Atmospheric Pollution -							
1	South West Corner	390	420	460	530	490	450

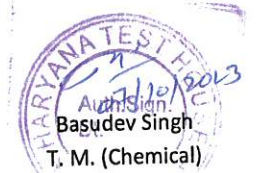
TEST RESULTS

S.N.	Point of Measurement	Illuminance Level (lux)		
		Minimum	Maximum	Average
1	South West Corner	390	530	457

End of Report

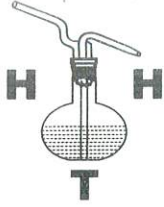
Remarks : At the time of measurement plant was under normal operation.

Kimh
07-10-2023
Review by



Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930010 ULR No. : TC781123100006995F Party's Ref No. : Nil
	Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023

Sample Description : Lux Level Monitoring

Type of Industry	: Paint Industry
Sample Location	: North East Corner
Instrument used	: Lux Level Meter (HTH/AP/13/LuxM-01)
Instrument Calibration Status	: Calibrated (upto 29.03.2024)
Date of measurement	: 28/09/2023
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline - Chemical, Group - Atmospheric Pollution -							
1	North East Corner	210	390	420	430	320	310

TEST RESULTS

S.N.	Point of Measurement	Illuminance Level (lux)		
		Minimum	Maximum	Average
1	North East Corner	210	430	347

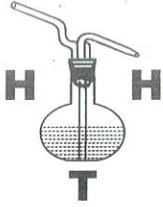
End of Report

Remarks : At the time of measurement plant was under normal operation.

Kimh'
07.10.2023
Review by

HARYANA TEST HOUSE
Auth: [Signature]
Dt: 07/10/2023
Basudev Singh
T. M. (Chemical)

Note: 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
 2. The results contained in this test report pertains only to the sample tested not for the whole lot.
 3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
 4. Total liability of Haryana Test House is limited to the invoiced amount only.
 5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unless otherwise specified.
 7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230930011
ULR No. : TC781123100006996F
Party's Ref No. : Nil
Booking Date : 30/09/2023
Period of Testing : 30/09/2023 To 07/10/2023
Reporting Date : 07/10/2023

Sample Description : Lux Level Monitoring

Type of Industry : Paint Industry
Sample Location : Near Entrance Gate
Instrument used : Lux Level Meter (HTH/AP/13/LuxM-01)
Instrument Calibration Status : Calibrated (upto 29.03.2024)
Date of measurement : 28/09/2023
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline - Chemical, Group - Atmospheric Pollution -							
1	Near Entrance Gate	250	320	390	410	420	450

TEST RESULTS

S.N.	Point of Measurement	Illuminance Level (lux)		
		Minimum	Maximum	Average
1	Near Entrance Gate	250	450	373

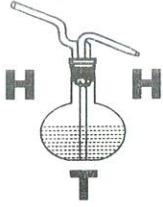
End of Report

Remarks : At the time of measurement plant was under normal operation.

Kimh
07.10.2023
Review by

Basudev Singh
07.10.2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930012 ULR No. : TC781123100006962F Party's Ref No. : Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 05/10/2023 Reporting Date : 05/10/2023
--	--

Sample Description : Sewage Water Sample (Septic Tank-Outlet)
Type of Industry : Paint Industry
Sample type : Sewage Water Sample (Septic Tank-Outlet)
Date of sampling : 28/09/2023
Date of receipt of sample : 30/09/2023
Sample Location : Septic Tank-Outlet
Sample quantity : 2 Ltr.
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

TEST RESULTS

S.N.	Test Parameters	Unit	Result	Limit as per EP Act. 1986, Schedule-VI (Inland Surface Water)	Test Method
Discipline : Chemical, Group : Waste Water					
1	Colour	Hazen	BLQ(LOQ 1.0)	--	IS 3025 (Part 4): 2021
2	Odour	-	Odourless	--	IS 3025 (Part 5): 2018
3	pH	-	7.52	5.5 - 9.0	IS 3025 (Part 11): 2022
4	Total Suspended Solids	mg/L	BLQ(LOQ 1.0)	100 Max	IS 3025 (Part 17): 1984
5	Chemical Oxygen Demand(COD)	mg/L	63.0	250 Max	IS 3025 (Part 58): 2006
6	Biochemical Oxygen Demand (BOD) 3 Days at 27°C	mg/L	9.8	30 Max	IS 3025 (Part 44): 1993
7	Oil & Grease	mg/L	BLQ(LOQ 0.5)	10 Max	IS 3025 (Part 39): 2021
8	Total Dissolved Solids	mg/L	746.0	--	IS 3025 (Part 16): 1984

End of Report

Remarks : BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Review by
05-10-23

HARYANA TEST HOUSE
Basudev Singh
T. M. (Chemical)



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/M/230904004 Party's Ref No. : Nil Booking Date : 04/09/2023 Period of Testing : 04/09/2023 To 19/09/2023 Reporting Date : 19/09/2023
---	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 01/09/2023 (10:00 Hrs) to 02/09/2023 (10:00 Hrs)
Sample Location	: Near Smartchem Gate
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.)	: 1.26 m ³ /min
2. Total volume of air sampled	: 1814.40 m ³
3. Period of sampling	: 24 Hrs

S.N. Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution				
1 Particulate Matter (PM10)	µg/ m ³	93.64	100 max	IS 5182 (Part-23) : 2006
2 Particulate Matter (PM 2.5)	µg/ m ³	51.15	60 max	IS 5182 (Part-24) : 2019
3 Sulphur Dioxide (SO ₂)	µg/ m ³	22.76	80 max	IS 5182 (Part-2) : 2001
4 Nitrogen Dioxide (NO ₂)	µg/ m ³	41.05	80 max	IS 5182 (Part-6) : 2006
5 Ammonia (NH ₃)	µg/ m ³	23.07	400 max	IS 5182 (Part-25) : 2018
6 Ozone (O ₃)	µg/ m ³	17.21	100 max	IS 5182 (Part-9) : 1974
7 Carbon Monoxide (CO)	mg/ m ³	1.031	4 max	IS 5182 (Part-10) : 1999
8 Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9 Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10 Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11 Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12 Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

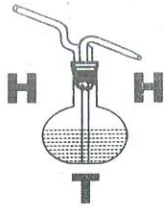
End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification


Review by


Authorized Signatory
(Environment)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services



TC-7811

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:
Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103

Report No. : HTH/WT/230911020
ULR No. : TC781123200001968F
Party's Ref No. : Nil
Booking Date : 11/09/2023
Period of Testing : 11/09/2023 To 18/09/2023
Reporting Date : 18/09/2023

Sample Description : Ground Water Sample
Type of Industry : Paint Industry
Date of sampling : 11/09/2023
Date of receipt of sample : 11/09/2023
Environmental Condition : Temp. 30°C & Humidity 70%
Sampling Reference Protocol : IS 1622 : 1981

Sample Name : Ground Water Sample
Sample quantity : 5 Ltr. + 250 ml in sterilized bottle
Sample Location : Outside Plant (Filling Point)
Purpose of analysis : Monitoring
Sampling Done by : By our Lab. Representative

REFERENCE TO PROTOCOL : IS 10500:2012(Amend No. 4 Nov. 2021)

TEST RESULTS

S.N.	Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
.Discipline - Chemical , Group -Water						
Organoleptic and Physical Parameter's						
1	Colour (Hazen)	-	1.0	5 Max.	15 Max.	IS 3025 (P-4)-2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-5)-2018
3	pH	-	7.92	6.5-8.5	No Relaxation	IS 3025 (P-11)-2022
4	Turbidity (NTU)	-	<1.0	1 Max.	5 Max.	IS 3025 (P-10)-2023
5	Total Dissolved Solids (TDS)	mg/l	392.0	500 Max.	2000 Max.	IS 3025 (P-16)-2023
General parameters Concerning Substances undesirable in excessive amounts						
1	Total Ammonia (as N)	mg/l	BLQ(LOQ:0.2)	0.5 Max.	No Relaxation	IS 3025 (P-34)-1988
2	Calcium (as Ca)	mg/l	40.9	75 Max.	200 Max.	IS 3025 (P-40)-1991
3	Chloride (as Cl)	mg/l	25.99	250 Max.	1000 Max.	IS 3025 (P-32)-1988
4	Fluoride (as F)	mg/l	0.35	1.0 Max.	1.5 Max.	APHA (4500 F)
5	Magnesium (as Mg)	mg/l	32.63	30 Max.	100 Max.	IS 3025 (P-46)-2023
6	Nitrate (as NO ₃)	mg/l	3.20	45 Max.	No Relaxation	IS 3025 (P-34)-1988
7	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	BLQ(LOQ:0.0004)	0.001 Max.	0.002 Max.	IS 3025 (P-43)-sec-1 :2022
8	Sulphate (as SO ₄)	mg/l	54.2	200 Max.	400 Max.	IS 3025 (P-24)-sec-1 :2022
9	Total Alkalinity (as CaCO ₃)	mg/l	262.0	200 Max.	600 Max.	IS 3025 (P-23)-2023
10	Total Hardness (as CaCO ₃)	mg/l	236.0	200 Max.	600 Max.	IS 3025 (P-21)-2009
Discipline- Chemical, Group-Residue in Water						
METALS						
1	Aluminium (as Al)	mg/l	BLQ(LOQ:0.010)	0.03 Max.	0.2 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
2	Barium (as Ba)	mg/l	0.106	0.7 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
3	Molybdenum (as Mo)	mg/l	0.016	0.07 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
4	Boron (as B)	mg/l	BLQ(LOQ:0.050)	0.5 Max.	2.4 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18

Page No.: 1 of 2



HARYANA TEST HOUSE & Consultancy Services



TC-7811

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseecs@gmail.com, info@haryanatesthouse.net

An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/WT/230911020 ULR No. : TC781123200001968F Party's Ref No. : Nil Booking Date : 11/09/2023 Period of Testing : 11/09/2023 To 18/09/2023 Reporting Date : 18/09/2023
--	--

TEST RESULTS

S.N.	Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
5	Copper (as Cu)	mg/l	BLQ(LOQ:0.001)	0.05 Max.	1.5 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
6	Iron (as Fe)	mg/l	BLQ(LOQ:0.050)	1.0 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
7	Manganese (as Mn)	mg/l	0.030	0.1 Max.	0.3 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
8	Selenium (as Se)	mg/l	BLQ(LOQ:0.005)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
9	Silver (as Ag)	mg/l	BLQ(LOQ:0.001)	0.1 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
10	Zinc (as Zn)	mg/l	BLQ(LOQ:0.05)	5.0 Max.	15 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
TOXIC SUBSTANCES						
1	Cadmium (as Cd)	mg/l	BLQ(LOQ:0.001)	0.003 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
2	Lead (as Pb)	mg/l	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
3	Mercury (as Hg)	mg/l	BLQ(LOQ:0.0005)	0.001 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
4	Nickel (as Ni)	mg/l	BLQ(LOQ:0.001)	0.02 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
5	Total Arsenic (as As)	mg/l	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
6	Total Chromium (as Cr)	mg/l	BLQ(LOQ:0.001)	0.05 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
7	Cyanide (as CN)	mg/l	BLQ(LOQ:0.02)	0.05 Max.	No Relaxation	IS 3025 (P-27) :2021
Discipline - Biological , Group - Water						
Bacteriological Requirements						
1	Coliform	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016
2	E.coli	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016

End of Report

Remarks : Analysed parameters of water sample confirms to IS 10500:2012 Amendment No. 4, Nov.2021 specification with respect to permissible limits for the above test parameters.

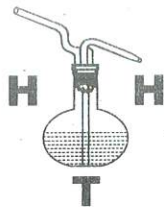
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Review by
[Signature]
18/09/2023

[Signature]
18/09/2023
Nao Jyoti Gupta
H.O.D. (Biological)

[Signature]
18/09/2023
Ashish Sharma
G.M. (Tech.)

Page No.: 2 of 2



HARYANA TEST HOUSE

& Consultancy Services



TC-7811

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/WT/230911021 ULR No. : TC781123200001970F Party's Ref No. : Nil Booking Date : 11/09/2023 Period of Testing : 11/09/2023 To 18/09/2023 Reporting Date : 18/09/2023
--	--

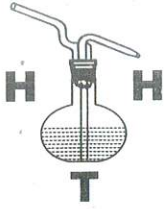
Sample Description : Ground Water Sample	Sample Name : Ground Water Sample
Type of Industry : Paint Industry	Sample quantity : 5 Ltr. + 250 ml in sterilized bottle
Date of sampling : 11/09/2023	Sample Location : Supply Water PIT-I, (SE of Plant)
Date of receipt of sample : 11/09/2023	Purpose of analysis : Monitoring
Environmental Condition : Temp. 30°C & Humidity 70%	Sampling Done by : By our Lab. Representative
Sampling Reference Protocol : IS 1622 : 1981	

REFERENCE TO PROTOCOL : IS 10500:2012(Amend No. 4 Nov. 2021)

TEST RESULTS

S.N.	Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
Discipline - Chemical , Group -Water						
Organoleptic and Physical Parameter's						
1	Colour (Hazen)	-	1.0	5 Max.	15 Max.	IS 3025 (P-4)-2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-5)-2018
3	pH	-	8.12	6.5-8.5	No Relaxation	IS 3025 (P-11)-2022
4	Turbidity (NTU)	-	<1.0	1 Max.	5 Max.	IS 3025 (P-10)-2023
5	Total Dissolved Solids (TDS)	mg/l	570.0	500 Max.	2000 Max.	IS 3025 (P-16)-2023
General parameters Concerning Substances undesirable in excessive amounts						
1	Total Ammonia (as N)	mg/l	BLQ(LOQ:0.2)	0.5 Max.	No Relaxation	IS 3025 (P-34)-1988
2	Calcium (as Ca)	mg/l	40.9	75 Max.	200 Max.	IS 3025 (P-40)-1991
3	Chloride (as Cl)	mg/l	45.99	250 Max.	1000 Max.	IS 3025 (P-32)-1988
4	Fluoride (as F)	mg/l	0.65	1.0 Max.	1.5 Max.	APHA (4500 F)
5	Magnesium (as Mg)	mg/l	36.53	30 Max.	100 Max.	IS 3025 (P-46)-2023
6	Nitrate (as NO3)	mg/l	4.20	45 Max.	No Relaxation	IS 3025 (P-34)-1988
7	Phenolic Compounds (as C6H5OH)	mg/l	BLQ(LOQ:0.0004)	0.001 Max.	0.002 Max.	IS 3025 (P-43)-sec-1 :2022
8	Sulphate (as SO4)	mg/l	87.8	200 Max.	400 Max.	IS 3025 (P-24)-sec-1 :2022
9	Total Alkalinity (as CaCO3)	mg/l	452.0	200 Max.	600 Max.	IS 3025 (P-23)-2023
10	Total Hardness (as CaCO3)	mg/l	252.0	200 Max.	600 Max.	IS 3025 (P-21)-2009
Discipline- Chemical, Group-Residue in Water						
METALS						
1	Aluminium (as Al)	mg/l	BLQ(LOQ:0.010)	0.03 Max.	0.2 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
2	Barium (as Ba)	mg/l	0.132	0.7 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
3	Molybdenum (as Mo)	mg/l	0.026	0.07 Max	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
4	Boron (as B)	mg/l	0.159	0.5 Max.	2.4 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18

Page No.: 1 of 2



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/WT/230911021 ULR No. : TC781123200001970F Party's Ref No. : Nil Booking Date : 11/09/2023 Period of Testing : 11/09/2023 To 18/09/2023 Reporting Date : 18/09/2023
--	--

TEST RESULTS

S.N.	Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
5	Copper (as Cu)	mg/l	BLQ(LOQ:0.001)	0.05 Max.	1.5 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
6	Iron (as Fe)	mg/l	BLQ(LOQ:0.050)	1.0 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
7	Manganese (as Mn)	mg/l	0.036	0.1 Max.	0.3 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
8	Selenium (as Se)	mg/l	0.008	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
9	Silver (as Ag)	mg/l	BLQ(LOQ:0.001)	0.1 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
10	Zinc (as Zn)	mg/l	0.203	5.0 Max.	15 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
TOXIC SUBSTANCES						
1	Cadmium (as Cd)	mg/l	BLQ(LOQ:0.001)	0.003 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
2	Lead (as Pb)	mg/l	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
3	Mercury (as Hg)	mg/l	BLQ(LOQ:0.0005)	0.001 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
4	Nickel (as Ni)	mg/l	BLQ(LOQ:0.001)	0.02 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
5	Total Arsenic (as As)	mg/l	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
6	Total Chromium (as Cr)	mg/l	BLQ(LOQ:0.001)	0.05 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
7	Cyanide (as CN)	mg/l	BLQ(LOQ:0.02)	0.05 Max.	No Relaxation	IS 3025 (P-27) :2021
Discipline - Biological , Group - Water						
Bacteriological Requirements						
1	Coliform	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016
2	E.coli	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016


End of Report

Remarks : Analysed parameters of water sample confirms to IS 10500:2012 Amendment No. 4, Nov.2021 specification with respect to permissible limits for the above test parameters.

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Review by

18.09.23


18.09.2023
Nao Jyoti Gupta
H.O.D. (Biological)


18/09/2023
Ashish Sharma
G.M. (Tech.)

Page No.: 2 of 2



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230922032

ULR No. : TC781123100006711F

Party's Ref No. : Nil

Booking Date : 22/09/2023

Period of Testing : 22/09/2023 To 28/09/2023

Reporting Date : 28/09/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 21/09/2023 (10:00 Hrs) to 22/09/2023 (10:00 Hrs)
Sample Location : Near Smartchem Gate
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.16 m³/min
2. Total volume of air sampled : 1670.40 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	93.93	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	51.15	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	20.06	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	40.40	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.23	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	19.78	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
28.09.23
Review by

HARYANA TEST HOUSE
28/09/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousesecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930005 ULR No. : TC781123100006998F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 29/09/2023 (10:00 Hrs) to 30/09/2023 (10:00 Hrs)
Sample Location : Near Power House
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:
1. Sampling flow rate (Avg.) : 1.22 m³/min
2. Total volume of air sampled : 1756.80 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	89.14	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	46.57	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	17.04	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	37.01	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	23.29	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	22.53	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.687	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh'
07-10-2023
Review by

Basudev Singh
07/10/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230922032

ULR No. : TC781123100006711F

Party's Ref No. : Nil

Booking Date : 22/09/2023

Period of Testing : 22/09/2023 To 28/09/2023

Reporting Date : 28/09/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 21/09/2023 (10:00 Hrs) to 22/09/2023 (10:00 Hrs)
Sample Location : Near Smartchem Gate
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.16 m³/min
2. Total volume of air sampled : 1670.40 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	93.93	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	51.15	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	20.06	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	40.40	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.23	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	19.78	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

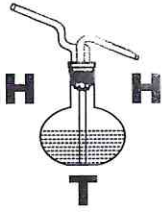
Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
28.09.23
Review by

HARYANA TEST HOUSE
28/09/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/231014063 ULR No. : TC781123100007393F Party's Ref No. : Nil Booking Date : 14/10/2023 Period of Testing : 14/10/2023 To 19/10/2023 Reporting Date : 19/10/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 12/10/2023 (10:00 Hrs) to 13/10/2023 (10:00 Hrs)
Sample Location	: Near Transformer Area
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.)	: 1.23 m ³ /min
2. Total volume of air sampled	: 1771.20 m ³
3. Period of sampling	: 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	93.44	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	51.98	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	22.74	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	40.57	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	27.89	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	23.17	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

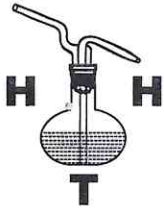
Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh,
12.10.2023
Review by

HARYANA TEST HOUSE
Basudey Singh
T. M. (Chemical)

Page No.: 1 of 1



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/231017001 ULR No. : TC781123100007472F Party's Ref No. : Nil Booking Date : 17/10/2023 Period of Testing : 17/10/2023 To 23/10/2023 Reporting Date : 23/10/2023
Sample Description : Ambient Air Quality Monitoring	

Type of Industry : Paint Industry
Date & time of sampling : 16/10/2023 (10:00 Hrs) to 17/10/2023 (10:00 Hrs)
Sample Location : Near Smartchem Gate
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.20 m³/min
2. Total volume of air sampled : 1728.00 m³
3. Period of sampling : 24 Hrs

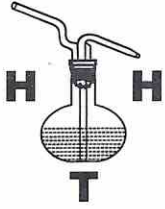
S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	94.44	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	53.64	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	23.11	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	38.80	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	25.44	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	18.34	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.687	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Kimh
23-10-2023
Review by

Rishabh Dua
CEO, (Chemical)



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousesecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/231030038
ULR No. : TC781123100007787F
Party's Ref No. : Nil
Booking Date : 30/10/2023
Period of Testing : 30/10/2023 To 06/11/2023
Reporting Date : 06/11/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry : Paint Industry
Date & time of sampling : 28/10/2023 (10:00 Hrs) to 29/10/2023 (10:00 Hrs)
Sample Location : Near Power House
Instrument used : RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status : Calibrated (upto 24.12.2023)
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.21 m³/min
2. Total volume of air sampled : 1735.20 m³
3. Period of sampling : 24 Hrs

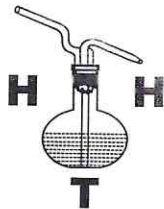
S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	168.97	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	85.25	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	25.56	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	42.93	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	27.26	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	23.47	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.687	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009
BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Basudev Singh
06.11.2023
Review by





HARYANA TEST HOUSE

& Consultancy Services



50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseecs@gmail.com, info@haryanatesthouse.net

An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/231006001 ULR No. : TC781123100007235F Party's Ref No. : Nil Booking Date : 06/10/2023 Period of Testing : 06/10/2023 To 13/10/2023 Reporting Date : 13/10/2023
---	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 05/10/2023 (10:00 Hrs) to 06/10/2023 (10:00 Hrs)
Sample Location	: Near L&T Site
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.27 m³/min
2. Total volume of air sampled : 1817.37 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	83.86	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	48.77	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	20.71	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	35.42	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	26.45	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	20.61	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ(LOQ:0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ(LOQ:2.0)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ(LOQ:1.0)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

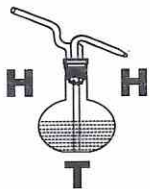
Kimh
13.10.2023
Review by



Page No.: 1 of 1

Note : 1. Test report shall not be reproduced in whole or in part and cannot be used as an evidence in the court of Law.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not take any liability.

2. The results contained in this test report pertains only to the sample tested not for the whole lot.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
6. Sample not drawn by HTH unless otherwise specified.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

DOC No. HTH/QF/7.8 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/231104052 ULR No. : TC781123100008096F Party's Ref No. : Nil Booking Date : 04/11/2023 Period of Testing : 04/11/2023 To 09/11/2023 Reporting Date : 09/11/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 03/11/2023 (10:00 Hrs) to 04/11/2023 (10:00 Hrs)
Sample Location	: Near L&T Site
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.15 m³/min
2. Total volume of air sampled : 1656.00 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	199.21	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	87.33	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	25.56	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	43.53	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	28.17	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	23.25	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.802	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

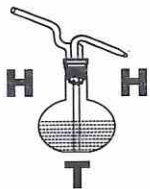
End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

[Signature]
09-11-2023
Review by





HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

DOC No. HTH/QF/7.8 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouseccs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/231104052 ULR No. : TC781123100008096F Party's Ref No. : Nil Booking Date : 04/11/2023 Period of Testing : 04/11/2023 To 09/11/2023 Reporting Date : 09/11/2023
--	--

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry
Date & time of sampling	: 03/11/2023 (10:00 Hrs) to 04/11/2023 (10:00 Hrs)
Sample Location	: Near L&T Site
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status	: Calibrated (upto 24.12.2023)
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

A. Observations:

1. Sampling flow rate (Avg.) : 1.15 m³/min
2. Total volume of air sampled : 1656.00 m³
3. Period of sampling : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution					
1	Particulate Matter (PM10)	µg/ m ³	199.21	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	µg/ m ³	87.33	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO ₂)	µg/ m ³	25.56	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO ₂)	µg/ m ³	43.53	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH ₃)	µg/ m ³	28.17	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O ₃)	µg/ m ³	23.25	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m ³	0.802	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C ₆ H ₆)	µg/ m ³	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m ³	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	µg/ m ³	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m ³	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m ³	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

[Signature]
09-11-2023
Review by



Annexure-3
Consent To Operate Certificate



HARYANA STATE POLLUTION CONTROL BOARD

SCO-55, Sec.25, HUDA, Panipat Ph. 0180-2672037

Email:- hspcbopr@gmail.com

E-mail: hspcb@hry.nic.in



No. HSPCB/Consent/ : 313096423PITCTO38848882

Dated:10/10/2023

To.

M/s :Grasim Industries Limited
Plot no. 48 to 62 , HSIIDC , Industrial Estate Panipat

Subject: Grant of consent to operate to M/s Grasim Industries Limited.

Please refer to your application no. 38848882 received on dated 2023-09-21 in regional office Panipat. With reference to your above application for consent to operate, M/s Grasim Industries Limited is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	04/10/2023 - 30/09/2026
Industry Type	Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)
Category	RED
Investment(In Lakh)	147500.0
Total Land Area(Sq. meter)	283500.0
Total Builtup Area(Sq. meter)	189945.0
Quantity of effluent	
1. Trade	93.0 KL/Day
2. Domestic	23.0 KL/Day
Number of outlets	0.0
Mode of discharge	
1. Domestic	ZLD-Reuse in Gardening
2. Trade	ZLD- Reuse in Process
Domestic Effluent Parameters	
1. pH	5.5-9.0
2. BOD	10 mg/l
3. COD	50 mg/l
4. TSS	20 mg/l
5. Faecal Coliform (MPN/100 ml)	<100
Trade Effluent Parameters	
1. pH	6.5-8.5
2. TSS	100 mg/l
3. BOD	30 mg/l

4. Oil & Grease	10 mg/l
5. Phenolics as C ₆ H ₅ OH	1 mg/l
6. Pb	0.1 mg/l
7. Chromium (Hexavalent)	0.1 mg/l
8. Total Chromium	2.0 mg/l
9. Cu	2.0 mg/l
10. Ni	2.0 mg/l
11. Zn	5.0 mg/l
12. Arsenic as As	0.2 mg/l
13. Co	0.2 mg/l
14. Total Heavy metals	7.0 mg/l
Number of stacks	24
Height of stack	
1. Stack Attached to 2 TPH Boiler 1	35 m
2. Stack Attached to 2 TPH Boiler 2	35 m
3. Stack Attached to 2 TPH Boiler 3	35 m
4. Stack attached to 20 l a c k C a l / h r T h e r m o p a c k 1	35 m
5. Stack attached to 20 l a c k C a l / h r T h e r m o p a c k 2	35 m
6. Stack attached to 20 l a c k C a l / h r T h e r m o p a c k 3	35 m
7. Stack attached to 0.5 TPH Boiler	35 m
8. Stack attached to Dust Collector1	33 m
9. Stack attached to Dust Collector2	33 m
10. Stack attached to Dust Collector3	33 m
11. Stack attached to Dust Collector4	33 m
12. Stack attached to Dust Collector5	33 m
13. Stack attached to Dust Collector6	33 m
14. Stack attached to Dust Collector7	33 m
15. Stack attached to Dust Collector8	33 m
16. Stack attached to Dust Collector9	33 m
17. Stack attached to Dust Collector10	33 m

18. Stack attached to Wet Scrubber of Water Base Block	33 m
19. Stack attached to Wet Scrubber of Solvent Paint Block	33 m
20. Stack attached to Wet Scrubber of Resin Block	33 m
21. Stack1 attached to Wet Scrubber of Emulsion Block	33 m
22. Stack2 attached to Wet Scrubber of Emulsion Block	33 m
23. Stack Attached to DG Set1 2000KVA	33 m
24. Stack Attached to DG Set2 2000KVA	33 m
Emission parameters	
1. SPM (For Boiler/Thermopack)	80 mg/m ³
2. SPM (For Stack attached to Dust Collector/Wet Scrubber)	50 mg/m ³
Product Details	
1. Water Based Paints	684.94 Kilo liters/Day
2. Solvent Based Paints	136.99 Kilo liters/Day
3. Emulsions	273.98 Kilo liters/Day
4. Resins	82.20 Kilo liters/Day
Capacity of boiler	
1. Boiler 1	2 Ton/hr
2. Boiler 2	2 Ton/hr
3. Boiler 3	2 Ton/hr
4. Boiler (for MEE Plant)	0.5 Ton/hr
5. Thermopack 1	2000000 Kcalores/hr
6. Thermopack 2	2000000 Kcalores/hr
7. Thermopack 3	2000000 Kcalores/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. PNG	40526 kg/day
Raw Material Details	
Pigments such as Rutile (TiO ₂) various grades, middle chrome, Redoxide, etc.	245.67 Metric Tonnes/Day
Extenders such as China clay, Calcium carbonate, Silica, Marble powder, Dolomite, etc.	234.99 Metric Tonnes/Day

Polyols such as Phthalic anhydride, Pentaerythritol, Maleic anhydride, benzoic acid, sodium bicarbonate, etc	19.44 Metric Tonnes/Day
Colored pigments such as Blue, Green, Lemonchrome, yellow oxide, carbon black, etc.	1.27 Metric Tonnes/Day
Additives such as Natrosol, Diammonium phosphate, sodium benzoate, Hydroxy ethyl cellulose, etc.	6.18 Metric Tonnes/Day
Solvents such as Mineral turpentine, Xylene, Dipentine, MCEE 10, etc.	55.45 Metric Tonnes/Day
Driers and additives such as Calcium octoate, Cobaltoctoate, Ropaque Op60, Soya fatty acid, Indofil 850, etc.	49.37 Metric Tonnes/Day
Polyols such as Propylene glycol, Liq u o r ammonia, Texanol, etc	5.47 Metric Tonnes/Day
Additives/Biocides such as Nipacide DFX, Dapro, Neopon, Thorew paste, etc.	14.24 Metric Tonnes/Day
Additives such as Morpholene, Benzyl alc, Glycerine, etc.	3.78 Metric Tonnes/Day
Monomers such as Methyl Methacrylate, 2 Ethylhexyl acrylate, Butyl acrylate, Styrene, etc.	154.52 Metric Tonnes/Day
Speciality Resins (Other than those manufactured inhouse)	13.02 Metric Tonnes/Day
Oils such as Raw linseed oil, Castor oil, Soyabeanoil, etc.	29.89 Metric Tonnes/Day

Regional Officer, Panipat
Haryana State Pollution Control Board.

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines valves, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The

applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.

3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.
7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.
8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.
9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.
11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.
12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.
13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.
14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.
15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.
16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

1. That the unit shall keep all the parameters within the prescribed limits and shall comply with all the Norms and Rules as prescribed in the Acts. 2. That the unit will comply with all the provisions of Hazardous Waste Rules and will make agreement with TSDF and Authorized

recycler of the Board for scientific disposal of Hazardous Waste. 3. That unit will use only Gaseous fuel in the industry. 4. That unit will comply with the conditions of Environmental Clearance. 5. That unit will install and connect the Flow meters and PTZ camera to the server of CPCB and HSPCB 6. Unit will submit the analysis report with in 03 months. 7. The total losses of solvent should not be more than 5% of the solvent consumed, if solvent consumption less than 1000 tons/Annum; and the solvent loss should not be more than 3% of the solvent consumed, if solvent consumption greater than 1000 tons/Annum. 8. The unit will comply with all the directions issued by CPCB, HSPCB, MoEF & CC and CAQM time to time. 9. The unit will not use ground water as source of water supply. 10. The unit will submit the compliance of conditions of CTO each year.

***Regional Officer, Panipat
Haryana State Pollution Control Board.***



Annexure-4
Hazardous Waste Authorization



Haryana State Pollution Control Board
SCO-55, Sec.25, HUDA, Panipat Ph. 0180-2672037 Email:-
hspcbropr@gmail.com



No. :HWM/PIT/2023/41571676

DT: 16/10/2023

To

M/s Grasim Industries Limited
 Plot no. 48 to 62 , HSIIDC , Industrial Estate Panipat
 Panipat

Sub: Grant of Authorization under Hazardous and Other Wastes(Management & Transboundary Movement) Rules, 2016

- Reference of application:41571676 dated: 16/10/2023
- Mr. Harikrishna Agarwal of Grasim Industries Limited is hereby granted an authorization for generation, collection, storage, transportation on the premises situated at Plot no. 48 to 62 , HSIIDC , Industrial Estate Panipat

HARYANA STATE
 Details of Authorization

S.No.	Name of process and Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity
1	Part A, A1-A1160	Disposal through Authorised Vendor	30 T/Annum
2	cleaning, emptying and maintenance of petroleum oil storage tanks including, Oil-containing cargo residue, washing water and sludge	TSDf / Incineration	10 T/Annum
3	cleaning, emptying and maintenance of petroleum oil storage tanks including, Sludge and filters contaminated with oil	TSDf / Incineration	10 T/Annum
4	Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications, Used/spent oil	Recovery and Reuse-Authorized recyclers	40 T/Annum
5	production and/or industrial use of solvents, Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse	TSDf / Incineration	160 T/Annum
6	production and/or industrial use of solvents, Distillation residues	TSDf / Incineration	50 T/Annum

7	Production and/or industrial use of paints, pigments, lacquers, varnishes and inks , Process wastes, residues & sludges	Recovery and Reuse-Authorized recyclers	140 T/Annum
8	Production and/or industrial use of glues, cements, adhesive and resins, Wastes/residues (not made with vegetable or animal materials)	Recovery and Reuse-Authorized recyclers	90 T/Annum
9	Handling of Hazardous chemicals and wastes, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Recovery and Reuse-Authorized recyclers	120 T/Annum
10	Handling of Hazardous chemicals and wastes, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Recovery and Reuse-Authorized recyclers	800 T/Annum
11	De-contamination of barrels/containers used for handling of hazardous waste/chemicals, Chemical Containing residue arising from decontamination	TSD / Incineration	25 T/Annum
12	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Flue gas cleaning residue	Recovery and Reuse-Authorized recyclers	5 T/Annum
13	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Spent ion exchange resin containing toxic metal	Recovery and Reuse-Authorized recyclers	20 T/Annum
14	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Chemical sludge from waste water treatment	Recovery and Reuse-Authorized recyclers	220 T/Annum
15	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Oil and grease skimming residues	Recovery and Reuse-Authorized recyclers	20 T/Annum
16	Purification process for organic compounds/solvents, Spent carbon or filter medium	Recovery and Reuse-Authorized recyclers	5 T/Annum
17	production and/or industrial use of solvents, Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse	Recovery and Reuse-Authorized recyclers	160 T/Annum

1. The authorization shall be valid for a period of 08/10/2023 to 30/09/2026
2. The authorization is subject to the following general and specific conditions :-

- (i)
- (ii) **1. Unit will handover ETP Sludge only to the Authorized recycler. 2. That the unit will comply with all the provisions of Hazardous Waste Rules . 3. That unit will submit annual return on form IV before 30th June of every year 4. That the Authorization so granted shall become invalid in case of violation of any of the above / any law of the land 5 Unit shall renew its agreement with Service Provider on the Expiry of same.**

**Regional Officer Panipat
For Haryana State Pollution Control Board**

Conditions of Authorization:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer 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 authorization.
4. Any unauthorised change in personnel equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of this authorization.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person 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. An application for the renewal of an authorization shall be made as laid down under these Rules.
8. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
9. Annual return shall be filed by June 30 th for the period ensuring 31 st March of the year.

**Regional Officer Panipat
For Haryana State Pollution Control Board**

Annexure-5
Fire NOC

From Director General
Fire Service, Haryana Panchkula

To **M/s** Grasim Industries Limited
Plot no. 48 to 62 Industrial Estate Village Dadlana Panipat Haryana

Memo No. FS/2023/907 dated : 27/09/2023

Subject : **Fire Safety Certificate 15 mtrs. and Above from the fire safety point of view for Group G-Industrial Building at Plot no. 48 to 62 Industrial Estate Village Dadlana Panipat Haryana of Grasim Industries Limited :**

Reference your letter no. 140842323000640 dated 04/09/2023 on the subject cited above.

Tower Name	Floor Detail	Height	Ground Coverage
BLOCK A (1A TO 6A)	GROUND ONLY	27 METER	29400.00 SQ.MTR (ONLY GROUND LEVEL IS LIVABLE)
BLOCK 7	G+2	13.95 METER	3188.45 SQ.MTR
BLOCK 8	G+2	13.95 METER	2293.23 SQ.MTR
BLOCK 9	OPEN SHED	-	2060.44 SQ.MTR
BLOCK 10	GROUND ONLY	7.25 METER	462.15 SQ.MTR
BLOCK 11	GROUND ONLY	12.50 METER	3575 SQ.MTR
BLOCK 12	GROUND ONLY	12.50 METER	3575 SQ.MTR
BLOCK 13	G+2	13.95 METER	1880.0 SQ.MTR
BLOCK 14 (A)	GROUND ONLY	9.20 METER	2112 SQ.MTR
BLOCK 14 (B)	G+3	NON OCCUPIED AR	240 SQ.MTR
BLOCK 15	G+3	14.45 METER	1393.77 SQ.MTR
BLOCK 16	OPEN SHED	-	1737.80 SQ.MTR
BLOCK 17	OPEN SHED	-	3172.23 SQ.MTR
BLOCK 18	OPEN SHED	-	3174.60 SQ.MTR
BLOCK 19	OPEN SHED	-	1990.20 SQ.MTR
BLOCK 20	OPEN SHED	-	2068.73 SQ.MTR
BLOCK 21	OPEN SHED	-	151.08 SQ.MTR
BLOCK 22 (A)	OPEN SHED	-	3842.0 SQ.MTR
BLOCK 22(B)	G+1	10.23 METER	364 SQ.MTR
BLOCK 23 (A)	GROUND ONLY	4.95 METER	483 SQ.MTR
BLOCK 23 (B)	OPEN SHED	-	2173.21 SQ.MTR
BLOCK 24	GROUND ONLY	5.0 METER	664 SQ.MTR
BLOCK 25	GROUND ONLY	4.95 METER	1457.38 SQ.MTR
BLOCK 26	GROUND ONLY	4.95 METER	345 SQ.MTR
BLOCK 27	GROUND ONLY	5.45 METER	600 SQ.MTR
BLOCK 28	GROUND ONLY	5.2 METER	309.61 SQ.MTR
BLOCK 29	OPEN TO SKY	-	1350 SQ.MTR
BLOCK 30	GROUND ONLY	2.90 METER	792 SQ.MTR
BLOCK 31	G+1	9.95 METER	1200 SQ.MTR
BLOCK 32	GROUND ONLY	5.30 METER	280 SQ.MTR
BLOCK 33	GROUND ONLY	4.95 METER	552 SQ.MTR
BLOCK 34	GROUND ONLY	7.65 METER	2520 SQ.MTR
BLOCK 35	GROUND ONLY	5.98 METER	138 SQ.MTR
BLOCK 36	GROUND ONLY	5.15 METER	376 SQ.MTR
BLOCK 37	GROUND ONLY	3.45 METER	50.00 SQ.MTR
BLOCK 38	GROUND ONLY	3.45 METER	50.00 SQ.MTR
BLOCK 39	GROUND ONLY	4.85 METER	216.00 SQ.MTR

BLOCK 40	GROUND ONLY	4.85 METER	216.00 SQ.MTR
BLOCK 41	GROUND ONLY	9.0 METER	2376.00 SQ.MTR
BLOCK 42	GROUND ONLY	7.95 METER	760.00 SQ.MTR
BLOCK 43	G+2	12.0 METER	118.80 SQ.MTR
BLOCK 44	GROUND ONLY	11.85 METER	2293.00 SQ.MTR
BLOCK 45	OPEN SHED	-	632.50 SQ.MTR
BLOCK 46	GROUND ONLY	6.73 METER	468.00 SQ.MTR
BLOCK 47	G+3	NON OCCUPIED AR	240.00 SQ.MTR
BLOCK 48	OPEN SHED	-	410.64 SQ.MTR
BLOCK 49	OPEN SHED	-	-
BLOCK 50	OPEN SHED	-	-
BLOCK 51	OPEN SHED	-	-
Tower Name	Basement Level	Basement Area	Basement Remarks
NIL	NIL	NIL	OK

- 1) The owner/occupier shall give a self declaration certificate annually regarding fire safety system installed in his building/premises is working in good condition and there is no addition/alteration in the building.
- 2) In case there is any addition/alteration in the building, the Fire Safety Certificate shall cease to exist and the owner shall apply for approval of revised Fire Fighting Scheme
- 3) As per sub-section (1) and the competent authority may randomly check such building/premises.
- 4) The owner/occupier shall keep duly trained Fire Staff in all three shifts.
- 5) The Fire Protection System tested during inspection shall be maintained properly & always should be in good working condition.
- 6) If any lapse is found in the fire protection system at the time of inspection or detected during outbreak of fire, action will be taken as per rules against you.
- 7) You are directed to apply for Fire Safety Certificate in future before 2 months of expiry of your Fire Safety Certificate.
- 8) The open set back area is not checked at our end as it shall be checked by concerned building authority/department.
- 9) The owner/occupier shall strictly follow the other applicable rules/ regulations/ byelaws laid down regarding fire safety system. If you fail to comply with any of the above terms & conditions you will be liable to be punished as per Section 30,31 & 47 of Fire & Emergency Services Act 2022.
- 10) You have to perform quarterly Fire Drill in your building as per NBC with intimation to Fire Department and video graphy evidence to be kept as a record which shall be produced at the time of next Renewal; Official/Staff should be participated in the drill.
- 11) If the Infringements of Byelaws remains un-noticed the Authority reserves the right to amend the Fire Safety Certificate as and when any such Infringements comes to notice after giving an opportunity of being heard and the Authority shall stand Indemnified against any claim on this account.
- 12) Fire safety Certificate granted subject to condition that there is no violation in sanctioned building plan by virtue of which fire fighting scheme was approved.
- 13) The owner or occupier of the building shall give a self-declaration certificate annually to the effect that the fire fighting system installed in his building is working in good condition and there is no addition/alteration in the building. The Fire Officer may randomly check such building. In case there is any addition/alteration beyond permissible limits under the Haryana Building Code, 2017, the fire safety certificate shall cease to exist and the owner shall apply for approval of revised Fire Fighting Scheme as per the provisions of section 18.

The above Fire Safety Certificate is valid for only **Three** year from the date of issue of this letter Applying renewal of the same well in time shall be the responsibility of owner/occupier.

Remarks:- Fire Safety Certificate for Industrial Building under Moderate Hazard G2 and Block No 16 to 21 are open tank farms area comes under G3

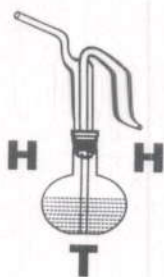


Deputy Director (Technical)-I,
for Director General, Fire
Service, Haryana

Panchkula

Exercising the power of Director, Fire Services, Haryana

Annexure-6
Noise Level Monitoring



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930006 ULR No. : TC781123100006974F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
---	--

Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry	: Paint Industry
Sample Location	: Near Entry Gate
Instrument used	: Sound Level Meter (HTH/AP/12/SLM-03)
Instrument Calibration Status	: Calibrated (upto 07.07.2024)
Date of measurement	: 29/09/2023
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline – Chemical, Group – Atmospheric Pollution -							
1	Day time (06:00 AM to 10:00 PM)	70.2	69.4	72.6	71.9	73.4	72.6
2	Night time (10:00 PM to 06:00 AM)	60.9	64.8	65.2	63.8	64.7	63.7

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
		Lmin	Lmax	Leq	
1	Day time (06:00 AM to 10:00 PM)	69.4	73.4	71.9	75 max
2	Night time (10:00 PM to 06:00 AM)	60.9	65.2	64.1	70 max

End of Report

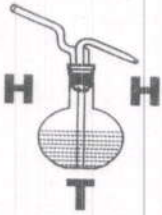
Remarks : Leq:- It is an energy mean of the noise level over a specified period
CPCB Standard as per Noise Pollution Rules, 2000

Kimh
07.10.2023
Review by

Basudev Singh
07/10/2023
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1

- Note :
1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
 2. The results contained in this test report pertains only to the sample tested not for the whole lot.
 3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
 4. Total liability of Haryana Test House is limited to the invoiced amount only.
 5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unless otherwise specified.
 7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



TC-7811



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. : HTH/EP/230930007 ULR No. : TC781123100006975F Party's Ref No. : Nil Booking Date : 30/09/2023 Period of Testing : 30/09/2023 To 07/10/2023 Reporting Date : 07/10/2023
---	--

Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry	: Paint Industry
Sample Location	: South East Corner
Instrument used	: Sound Level Meter (HTH/AP/12/SLM-02)
Instrument Calibration Status	: Calibrated (upto 29.03.2024)
Date of measurement	: 29/09/2023
Purpose of analysis	: Monitoring
Sample collected/ supplied by	: By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline – Chemical, Group – Atmospheric Pollution -							
1	Day time (06:00 AM to 10:00 PM)	72.9	68.9	70.9	73.4	72.6	70.9
2	Night time (10:00 PM to 06:00 AM)	65.9	60.9	58.7	60.9	59.2	62.4

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
		Lmin	Lmax	Leq	
1	Day time (06:00 AM to 10:00 PM)	68.9	73.4	71.9	75 max
2	Night time (10:00 PM to 06:00 AM)	58.7	65.9	62.1	70 max

End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period
CPCB Standard as per Noise Pollution Rules, 2000

Kimsh
07-10-2023
Review by

HARYANA TEST HOUSE
Auth. Sign
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
 2. The results contained in this test report pertains only to the sample tested not for the whole lot.
 3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
 4. Total liability of Haryana Test House is limited to the invoiced amount only.
 5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unless otherwise specified.
 7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.



HARYANA TEST HOUSE

& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

TEST REPORT

Issued To:

Grasim Industries Limited (Birla Paints Division),
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat
(HR) 132103

Report No. : HTH/EP/230930008

ULR No. : TC781123100006976F

Party's Ref No. : Nil

Booking Date : 30/09/2023

Period of Testing : 30/09/2023 To 07/10/2023

Reporting Date : 07/10/2023

Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry : Paint Industry
Sample Location : North East Corner
Instrument used : Sound Level Meter (HTH/AP/12/SLM-01)
Instrument Calibration Status : Calibrated (upto 07.07.2024)
Date of measurement : 29/09/2023
Purpose of analysis : Monitoring
Sample collected/ supplied by : By our Lab. Representative

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
Discipline - Chemical, Group - Atmospheric Pollution -							
1	Day time (06:00 AM to 10:00 PM)	70.8	71.2	72.9	71.9	72.4	73.9
2	Night time (10:00 PM to 06:00 AM)	60.8	57.9	61.7	62.6	63.8	62.7

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
		Lmin	Lmax	Leq	
1	Day time (06:00 AM to 10:00 PM)	70.8	73.9	72.3	75 max
2	Night time (10:00 PM to 06:00 AM)	57.9	63.8	61.9	70 max

End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period
CPCB Standard as per Noise Pollution Rules, 2000

Kimh,
07-10-2023
Review by

HTH
Basudev Singh
T. M. (Chemical)

Page No.: 1 of 1

- Note : 1. Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
2. The results contained in this test report pertains only to the sample tested not for the whole lot.
3. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
4. Total liability of Haryana Test House is limited to the invoiced amount only.
5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
6. Sample not drawn by HTH unless otherwise specified.
7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.

Annexure-7
Environmental Policy



ADITYA BIRLA GROUP

ENVIRONMENTAL POLICY

Aditya Birla Group, a global conglomerate, recognizes that effective management of environment impacts is a fundamental part of our business. We shall strive to integrate sound environmental practices across the Group's management and governance systems to minimize environmental impacts and attain a leadership position in environmental stewardship.

Every Aditya Birla Group Company shall endeavour to:

- Maintain positive legal compliance to environmental regulations and conform to the requirements of Aditya Birla Group Sustainability Framework;
- Progressively develop, implement and maintain an internationally accepted environmental management system in our operations and new projects;
- 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;
- Enhance environmental awareness through participation and consultation with employees and contractors by training and effective channels of communication;
- Engage with internal and external stakeholders and wider communities to broaden our understanding of environmental priorities, their links to global issues and initiate actions on key environmental challenges;
- Influence our contractors and suppliers to adopt the Aditya Birla Group environmental policies, principles and practices and encourage appropriate environmental management across the supply and value chain;
- Continually improve environmental performance of current and future products, services and infrastructure of the Aditya Birla Group's Companies; and
- 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.

Each Aditya Birla Group Company shall sign up to this policy or develop an equivalent that shall be implemented throughout its operations.

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

Date: 18th August 2016

ABG/SUST/POL/01

Version: V-3

Disclaimer: The 'Aditya Birla Group' is commonly and for convenience referred to a group of entities which use the group's trademark 'Aditya Birla' and/or 'Sunrise Logo' as a part of their corporate name, logo and/or in relation to their products and services, either by virtue of shareholding interest or otherwise. The 'Aditya Birla' and 'Sunrise Logo' trademarks, registered in India and around the world, are owned by Aditya Birla Management Corporation Private Limited (ABMCPL). ABMCPL is the centre of excellence and provides varied centralised expert services to its member entities. The terms of use of the group mark, logo and expert centralised services by Aditya Birla Group companies are governed by arm's length contractual arrangements entered into between ABMCPL and Aditya Birla Group companies. ABMCPL provides no services to third parties outside the Aditya Birla Group. No Aditya Birla Group company has any authority to obligate or bind ABMCPL or any other Aditya Birla Group company vis-à-vis third parties, nor does ABMCPL have any such authority to obligate or bind any Aditya Birla Group company. The term 'Group' should not be used for any legal purpose and provisions of relevant law shall apply whenever there is a need to define the term 'group'.

Annexure-8
Environmental Management Plan

Sr. No.		Activity	Purpose
1	ZLD system	Installation of 170 KLD capacity ETP plant & STP	100 % treatment of trade effluent as per CPCB/HSPCB norms
		RO Plant installation	Treatment of High TDS effluent. To establish ZLD system. Reuse of treated effluent to reduce freshwater consumption
		MEE & ATFD System	Treatment of RO reject effluent. To establish ZLD system. Reuse of treated effluent to reduce freshwater consumption
2	Organic Waste management	Organic Waste Convertor	To reduce the organic pollutant load in environment and prevent water & soil pollution. Converted organic waste used as manure for green belt development.
3	Use of rainwater	Rainwater Harvesting	To use in greenbelt area
4	Air Pollution Control Measures	Counter Current Wet Scrubber, two stage carbon bed & Dust Collectors	Water Based Paint Block
5	Air Quality Monitoring and Preservation	Install 24*7 continuous emission monitoring system at process stacks to monitor stack emission	continuous emission monitoring
		Installation of system to carryout Ambient Air Quality monitoring within and outside the plant area at least at four locations	monitoring of PM10 and PM25 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOX emissions)
6	Effluent online quality monitoring	ETP & STP treated water online monitoring	As per CPCB guideline for Paint industry