



# **ENVIRONMENTAL CLEARANCE SIX MONTHLY COMPLIANCE REPORT**

<b>EC Identification No.</b>	EC22B023TN110286
<b>File No.</b>	8560/2021
<b>Project/Activity including Schedule No.</b>	5(h) Integrated paint industry
<b>Name of Project</b>	EC for Integrated Paint manufacturing Industry with a total capacity of 8,75,000 KL/Annum at Plot No. A3/1, A4/2 of SIPCOT Industrial Park, Magajanampakkam Village, Cheyyar Taluk, Thiruvannamalai District.
<b>Name of Company/Organization</b>	M/S GRASIM INDUSTRIES LIMITED (BIRLA PAINTS DIVISION)
<b>Project Location</b>	Tamil Nadu



Date:01.12.2023.

To

Additional Principal Chief Conservator of Forests (C),  
Ministry of Environment, Forest and Climate Change,  
Regional Office (SEZ),  
1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council,  
34, Cathedral Garden Road, Nungambakkam,  
Chennai – 34

Respected Sir,

**Sub: Six-month EC compliance conditions status report-Reg.**

**Ref: EC Identification No- EC22B023TN110286, Dated-09.06.2022.**

With reference to the above subject, we are pleased to inform you that we have attached the six month environmental clearance compliance status as well as report of analysis of ambient air quality, Photos of medical examination, CER Activities and tree plantation etc.. for your perusal.

Kindly acknowledge the same.

This is for your kind information.

Thanking you,

Yours faithfully,  
**For GRASIM INDUSTRIES LIMITED,**

A handwritten signature in blue ink that reads 'D. Kathiresan'.

**D. Kathiresan,**  
Senior General Manager.

CC: The Chairman, SEIAA, Panagal Maligal, Chennai-600015.

**Grasim Industries Limited**

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## ENVIRONMENTAL CLEARANCE CONDITIONS COMPLIANCE

S. No	Specific Conditions	Compliance	Annexures
1	The project proponent shall provide the green belt area not less than 38.74% of the land area all along the periphery of the unit and maximum green belt will be maintained in the downwind direction as reported. Selection of plants shall be as per the Appendix.	We have planned and started to develop 35% of green belt with local species specified in the EC/EIA. As of now we have planted more than 7000 trees in the unit premises.	<b>Annexure-1</b> Green belt development view
2	The project proponent shall operate and maintain the sewage treatment plant of capacity 30 KLD and Effluent treatment plant of capacity 150 KLD with ZLD effectively to meet out the standards prescribed by the CPCB/TNPCB	Complied. We have installed 100 KLD of Effluent Treatment Plant, 100 KLD of ETP RO, 15 KLD of MEE & ATFD as part of ZLD and 25 KLD Sewage treatment plant for the Phase-1 operation.	<b>Annexure-2</b> ZLD Plant view
3	Necessary permission letter for supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB	Complied. Executed Agreement with SIPCOT for supplying of 1200 KLD raw water.	-
4	The effluent generated from the process should be treated through STP and ETP to achieve the discharge standards prescribed by the CPCB/TNPCB	Will be Complied. Installation of ETP and STP work completed. Now commissioning work progress.	-
5	The proponent shall ensure the zero-liquid discharge	Will be adhered.	-
6	The proponent shall provide adequate air pollution control measures for the process area	Complied. We have installed dust collectors and scrubbers as part of APC measures.	-
7	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits	Will be complied. VOC analyser received and under installation and will ensure the VOC level are within permissible limits.	-
8	The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.	We have obtained Fire NOC, Factory plan approval from DISH, Plan approval from Deputy Director of Public Health, Obtained NOC PESO for storage of petroleum products and obtained DTCP plan approval.	-

9	The proponent shall ensure the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO	Complied and all the safety measures has been provided.	
10	The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous and Other wastes (Management and Transboundary Movement) Rules 2016, for the handling and disposal of hazardous waste to be generated	We shall adhere to the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 in managing HW generation and disposal.	-
11	The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment /utilities for operation and maintenance and storage areas of products, raw materials, solvent, fuel etc. in the different operating zones of the plant atleast once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.	We Shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst-case scenario. Mock drills shall be conducted and plan of actions for identified gaps shall be shared with concerned depts	-
12	A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function etc test reports once in a year for all the workers shall be submitted to TNPCB	Will be complied.	-
13	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.	Complied. We have OHC facility with Medical officer and Nurse through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.	<b>Annexure 3:</b> OHC facility view.

14	The PP shall install online monitoring system at the point of exit of rainwater overflow from the site into the lake to ensure the quality of water meets the standards set by TNPCB.	Will be complied. We have procured online PH & TDS sensor for the point of exit of rainwater and will be connected to water quality watch for monitoring.	-
15	The PP shall endeavour to provide employment to local population, including providing vocational training / skill upgradation wherever necessary.	Preference will be given to local population, based on the qualifications, skillset and the Job Profile.	-
16	The PP shall adhere latest discharge standards as per Notification No. GSR 1241 (E) dt. 28.12.2018.	Will be complied.	-
17	As per the MoEF and CC office memorandum F.No 22-65/2017-IA.III dated 30.09.2020 and 20.10.2020. the proponent shall adhere the EMP as committed.	Shall adhere the EMP Committed in EIA	-
18	As accepted by the PP the CER cost is Rs. 12.89 Crore and the amount shall be spent for activities as per the schedule.	Will adhere the schedule for CER Activities.	<b>Annexure-4</b> CER Activities photos
19	Appendix-I - List of Native Trees Suggested for planting	Native species will be planted and same will be complied	-
<b>SEIAA Conditions</b>			
1	The proponent shall ensure that no treated or untreated trade effluent/sewage shall be discharged outside the premises under any circumstances	Will be complied and treated or untreated trade effluent/sewage shall not be discharged outside the premises.	-
2	The proponent shall ensure that the EIA, EMP and disaster management plan should be adhered strictly.	will be adhered. Disaster management plan & On-Site Emergency plan has been prepared.	-
3	The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act,1986.	Will be Complied	-
4	The proponent shall ensure that all the activities of EMP shall be completed before obtaining CTO from TNPCB.	Complied. We have completed all the EMP activities (ETP, STP, RO & MEE) as per the timeline.	-

5	Raw material procured and product produced should be lead free, as committed.	All our raw materials and Products will be Lead Free	-
6	Industry shall provide ETP/APC measures as Committed.	Complied. We have provided the ETP/APC measures as per the requirements.	-
7	Industry shall operate ETP, STP & APC measures and to provide appropriate monitoring mechanism to ensure continuous operation.	ETP/STP installation completed. We will be operated on continuous basis and appropriate monitoring shall be implemented	-
8	The proponent shall ensure the zero liquid discharge.	Complied. We have Installed ZLD plant.	-
9	The project proponent, their activities should not cause harm to the natural vegetation/water bodies and other natural resources.	Facility is a ZLD facility. No harm would be caused to Natural Vegetation / water bodies and other natural resources	-
10	The project proponent shall ensure the activities should not cause any damage to the soil and natural seed banks.	We have constructed the ETP above the ground and hence there will not be any damage soil	-
11	The project proponent shall provide medical facilities, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.	We have provided OHC facility with qualified medical officer for continuous monitoring the health of the workers.	-
12	The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.	HW Agreement has been executed with authorised recyclers for the categories. All the Hazardous wastes generated will be disposed as per Hazardous waste (Management) Rules, 2016	<b>Annexure- 5 HW Agreement copy</b>
13	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed	Complied. We have OHC facility with medical officer and the supporting staff from the experts available in the field of OHS for ensuring the health standard of persons employed.	-

14	Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining consent from TNPCB	Complied. We have Executed Agreement with SIPCOT for supplying of 1200 KLD of raw water.	-
<b>(A) Statutory compliance</b>			
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	-
2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Not Applicable	-
3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area	Not Applicable	-
4	The project proponent shall obtain Consent to Establish / operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.	CTO has been obtained from TNPCB and valid till March 31, 2028. Water act consent order No. 2305152368846 dated 26/10/2023. Air act consent order No. 2305252368846 dated 26/10/2023.	<b>Annexur-6:</b> Consent to Operation (CTO) copy is enclosed
5	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time	It is noted and will be complied.	-

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 (MVA), 1989	It is noted and will be complied.	-
<b>(B)</b>	<b>Air quality monitoring and preservation:</b>		
1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	It is noted and will be complied. We have received the OCEMS system for all the process stack to monitoring the stack emission as per standard. After installation of analyser, we will be going to connect with SPCB/CPCB server.	-
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	-
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.	Ambient Air Quality Monitoring Survey is conducting as per the requirements within and outside the plant area at least four locations.	-
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 emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Coal is not used as fuel. Suitable pollution control devices shall be installed to meet the prescribed norms	-



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.	Raw materials are stored in closed enclosures. RMs are stored in designated blocks/buildings	-
6	National Emission Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide G.S.R. 608(E) dated 21st July 2010 and amended from time to time shall be followed.	It is noted and will be complied	-
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	Ambient Air Quality Emission monitoring is ongoing as per the EC requirements	-
<b>(C)</b>	<b>Water quality monitoring and preservation:</b>		
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)	Purchased Online continuous monitoring of effluent sensors and to be installed along with web camera facility after commissioning of ZLD operation.	-
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).	It is noted and will be complied	-
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 will be designed/installed to meet effluent discharge standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the TNPCB	-
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/CCWA in this regard.	It is noted and will be complied	-
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.	Dedicated drains provision provided for collection of storm water and separate line for Process effluent through closed loop piping system.	-

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	We are 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 premises	-
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	Complied. Suitable pollution control device and adequate stack provision provided.	-
<b>(D)</b>	<b>Noise monitoring and prevention:</b>		
1	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied.	-
2	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation	Noise levels in and around the plant area shall be kept well within the standards by providing noise control measures such as acoustic hoods, silencers and enclosures etc.	-
3	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz.75 dB(A) during day time and 70 dB(A) during night time	Will be adhered	-
<b>E)</b>	<b>Safety, Public hearing and Human health issues:</b>		
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) is prepared and implemented.	-
2	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 hydrant systems and protection systems has been implemented as per TNFRS.	<b>Annexure-7:</b> Fire Hydrant system images
3	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Will be provided	-
4	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all	Complied.  Pre employment and routine medical examinations for all the	-

	employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	employees are undertaken on regular basis.	
5	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Will be adhered	-
6	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Will be adhered	-
7	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places	Will be adhered	-
F)	<b>Corporate Environment Responsibility:</b>		
1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1stMay 2018, as applicable, regarding Corporate Environment Responsibility.	Will be Complied	-
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. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report	GIL (Paints Division) has environmental policy duly approve by the senior management and it is displayed at project site	-

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.	Complied. We have Formed separate Environmental cell for regular monitoring.	-
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 competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other 5 purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Year wise EMP progress shall be submitted in half yearly compliance report	-
5	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Will be Complied	-
G)	<b>Waste Management:</b>		
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.	Complied. All the hazardous chemicals are stored in tanks/tank forms. All the firefighting provisions are made for the solvent transfer are.	-
2	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.	HW waste disposal agreement has been executed for TSDF and other authorised recyclers.	-
3	The company shall undertake waste minimization measures as below:- a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for equipment	Water meters were installed at appropriate locations and same will be monitored once completion of commissioning work Closed loop systems shall be installed to prevent leakages/spillages	-

	clearing to reduce wastewater generation		
	<b>Air Environment</b>		
1	Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	Will be adhered	-
2	CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	All the CEMS equipment received and commissioning work under as per requirements	-
3	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Will be Complied	-
4	Transportation of materials by rail conveyor belt, wherever feasible.	Will be adhered	-
5	Encourage use of cleaner fuels (pet coke/ furnace oil / LSHS may be avoided).	HSD is used as a fuel. Will explore alternate options	-
6	Best Available Technology may be used. For example; usage of EAF/SAF/ IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	High energy efficient systems shall be installed	-
7	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.	We have planned to develop green belt at 35% of total land area (38.74 acres). As of now we have covered 15 acres of green belt development.	-
8	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Plantation shall be carried in co-ordination with local Govt authorities	-
9	Assessment of carrying capacity of transportation load on roads inside the industrial premises.	Will be done.	-
	<b>Water Environment</b>		
1	Reuse/recycle of treated wastewater, wherever feasible.	STP water is 100% recycled. ETP treated water is recycled and reused to utility cooling tower make up.	-

2	Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting).	We have procured continuous monitoring of Effluent quality analysers and provided electromagnetic water flow meters.	-
3	A detailed water harvesting plan may be submitted by the project proponent	Rainwater harvesting and recharging facilities proposed within the facility. All the civil work has been completed.	-
4	Zero liquid discharge wherever techno - economically feasible.  <b>Land Environment</b>	We have installed ZLD plant as per the requirements.	-
1	increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	We have planned to develop green belt at 35% of total land area (38.74 acres). 7000 trees has been planted as part of the green belt development.	-
2	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Will be done.	-
3	Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.	Not Applicable	-
4	More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co processing.	Hazardous waste with Calorific value will be sent for co-processing once started the generation of the waste from the process.	-
5	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Will be submitted	-
6	The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	CER of Rs 12.89 Cr Considered for implementation of various activities committed in EIA report	-

H)	<b>SPECIFIC CONDITIONS:</b>		
1	It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.	Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year shall be submitted	-
2	"Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board copy of the same shall be furnished to the SEIAA, Tamil Nadu before start of project and a construction activity at the site.	Complied	-
3	"Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.	Complied. We have obtained the CTO and valid upto 30 <sup>th</sup> March, 2028.	-
4	The implementation of Environmental Management Plan in regard to treatment and disposal of sewage & Effluent, Solid waste Management, Hazardous - Waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phases.	Will be complied	-
5	The residue collected from the evaporator shall be documented by maintaining proper register and it should be made available at the time of inspection.	Will be complied	--
6	Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational -health standards and ambient air quality standards.	Will be complied	-
7	The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.	Will be followed	-
8	Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laid down in MSDS.	Will be implemented	-

9	The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated	Complied and Will be ensured in future.	-
10	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.	Dedicated covered storage area has been provided for HW storage. We have displayed all the name boards	-
11	The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.	We made the agreement for the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 shall be disposed to TNPCB authorised facilities/recyclers.	-
12	The Plastic wastes shall be segregated and disposed as per the provisions of plastic Waste (Management & Handling) Rules 2016.	Will be complied	-
13	The E-waste generated should be collected and disposed to a nearby authorized e-waste centres as per e waste (Management & Handling), Rules 2016 as amended.	Will be complied	-
14	The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.	Will be complied	-
15	The industry shall conduct air sampling at least once in six months for the general core parameters (PM10, PM2.5, SOX, NOX) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.	Monitoring shall be carried out as per TNPCB requirements	-
16	Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.	Will be complied. Periodically conducting Air and Water quality test in and around the project site.	<b>Annexure 8:</b> Ground water monitoring test report copy.
17	A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.	A separate environment and safety management cell has been formed.	-



18	The Green belt area already developed within the project area shall be properly maintained.	Will be complied	-
19	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.	We have planned to develop green belt at 35% of total land area (38.74 acres). 7000 trees has been planted as part of the green belt development.	-
20	The industry shall promote tree plantation to neutralize their carbon footprint. The industry shall engage regularly in afforestation programme.	Will be complied	-
21	The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.	Effective risk management strategy will be ensured	-
22	The energy sources for lighting purposes shall preferably be LED based.	Will be implemented	-
23	The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.	NAAQ monitoring shall be carried out as per standards. Last year we have been completed 104 samples with external NABL lab.	<b>Annexure- 9</b> AAQ survey report (104 samples)
24	Risk cum disaster management plan should be in placed in the industry premises at all times.	Will be complied	-
25	Water conservation scheme including rainwater harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rainwater harvested as a supplement to fresh water.	Rainwater harvesting and recharging facilities has been provided for reuse the entire rainwater harvested as a supplement to fresh water.	-
26	The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided considering the Catchment area and maximum intensity of rainfall to collect runoff water/rainwater for	Storm water and recharging facilities proposed within the facility	-

	proper disposal to avoid flooding around the premises.		
27	The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Honb'le High Court of Madras.	Noted	-
28	All the assurances given in EIA and EMP shall be adhered strictly.	Will be adhered	-
29	Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.	Will be prepared & complied	-
30	Sufficient funds should be provided for Disaster management.	Sufficient Funds will be allocated	-
31	The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.	Complied. We have provided UV system for the outlet of the treated sewages.	-
32	The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.	Appropriate ventilation shall be provided on waste storage buildings/blocks	-
33	The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.	Will be complied	-
34	The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.	Will be implemented	-
35	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts	Complied.	-

	available in the field of OHS for ensuring the health standard of persons employed.		
36	The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.	Will be complied	-
37	The EMP cost and operation and maintenance cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Will be complied	-
38	There should be no threat to Bio diversity due to the operation of the industry.	Will be ensured	-
39	The flora & fauna present in and around the project site should be get affected due to the activity as reported	Will ensure there no impact on flora and fauna in and around the project area	-
40	The Project Proponent has to provide rainwater harvesting collection tank capacity with Recharging pit in order to recover and reuse the rainwater during normal rains.	Rainwater harvesting and recharging facilities has been provided within the facility	-
41	The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site.	Will be ensured	-
42	The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be prepared	Suitable risk management plan showing the contours of sensitive zones should be prepared and implemented	-
43	The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc	Better Housekeeping measures will be followed	-
44	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.	We have provided VOC analyser for the outlet of both scrubbers in WPB & EB for maintaining the levels within the permissible limit.	-
I	<b>General Conditions</b>		
1	This Environmental Clearance shall not be cited to relax any other rules applicable to this project.	Noted	

2	The Project Proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the Environmental Clearance informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with TNPCB.	Complied. Environmental Clearance accorded to the proposed project advertised in two leading newspapers on 13th June'2022. Published in Times of India (English) on 13th June, 2022 and Daily Thanthi (Tamil-Local Language) on 13th June,2022.	-
3	A copy of the Environmental Clearance shall be sent by the project proponent to concerned local body and local NGO, if any from whom suggestions/representatives, if any were received while processing the proposal.	Complied	-
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.	Shall be complied as per requirements	-
5	The Environmental clearance shall also be put on the website of the company	EC copy has been displayed on the company website.	-
6	No expansion or modernization in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Will be Complied	-
7	All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with.	Will be Complied	-
8	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"	Environmental statement for each financial year in Form-V shall be submitted to TNPCB	-

9	The implementation of the project vis-a-vis environmental action plans shall be monitored by the Regional office of MoEF & CC at Chennai, TNPCB and CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies regularly.	Six monthly compliance status report shall be submitted to monitoring agencies regularly.	-
10	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MoEF & CC, GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO <sub>2</sub> and NO <sub>x</sub> outside the premises at the appropriate place for the general public.	Will be Complied	-
11	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers shall be done as per the Factories Act and records shall be maintained	-
12	Proper house-keeping and cleanliness must be maintained within and outside the plant.	Will be maintained	-
13	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately.	Will be implemented & maintained.	-
14	The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).	Will be Complied	-
15	A separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.	Full-fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of EHS Manager/Executive	-

16	The requisite amount earmarked towards capital cost and recurring cost/annum for implementing pollution control measures shall be used judiciously to implement the Environment Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes.	Will be Complied	-
17	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF & CC" Gol at Chennai, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, So2, Nox (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Six monthly compliance status report both in soft and hard copies submitted to monitoring agencies regularly	-
18	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Will be Complied	-
19	Environmental Clearance is being issued without prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.	Noted	-
20	The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted	-
21	The SEIAA/SEAC or any Competent Authority may suitably add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by	Noted	-

	the Regional Office of MoEF located at Chennai.		
22	The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.	Noted	-
23	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance' if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.	Noted	-
24	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted	-
25	The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.	Noted	-
26	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.	Noted	-
27	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted	-

## ANNEXURES

<b>ANNEXURE NO.</b>	<b>ANNEXURE DESCRIPTION</b>
Annexure-1	Green belt development view
Annexure-2	ZLD Plant view
Annexure-3	Occupational Health centre view
Annexure-4	CER Activities View
Annexure-5	Hazardous waste agreement copy
Annexure-6	Consent To Operation copy
Annexure-7	Fire Hydrant system copy
Annexure-8	Ground water monitoring test report copy
Annexure-9	AAQ survey report (104 samples)



## Annexure-1

### Green belt development work progress









## Annexure-2

### ZLD Plant view







**Annexure-3**  
Occupational Health centre view







**Annexure 4  
CER Activities for the year 2022-23**

**Bird Gauge activities in Children's Park at Guindy**



Annexure 5:

Hazardous waste agreement



3.09.2023 தமிழ்நாடு தமிழ்நாடு TAMILNADU  
Green Gene Enviro Protection and Infrastructure Private Ltd

AS 312094  
G. கார்த்திக்  
செய்யூர், சிப்கோட்  
தமிழ்நாடு

Green Gene Enviro Protection and Infrastructure Private Limited  
Plot No. S-60, Phase-III,  
SIPCOT Industrial Estate,  
RANIPET - 632 405.

AGREEMENT

THIS AGREEMENT is made on this 15<sup>th</sup> Day of September 2023 between M/s.Green Gene Enviro Protection and Infrastructure Private Limited (Unit – Ranipet),(hereinafter referred to as "GGEPIPL") a company incorporated and registered under the provisions of the Companies Act 1956 and having its registered office at 370, SVP Road, Shop 8, Plot 384, Cigaretwala Bldg., Opp. CBI, Prathna Samaj, Nr. Harkishandas Hospital, Mumbai - 400004, Maharashtra, India which expression shall unless repugnant to the context or meaning thereof shall mean and include its successors, assignees etc. of FIRST PART

AND

M/s.GRASIM INDUSTRIES LIMITED (CIN:L17124MP1947PLC000410), a company incorporated under Gwalior Companies Act, (1 of Samvat 1963) and having its registered office at Birlagram, Nagda, Madhya Pradesh, 456331, India and factory/works at Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT Industrial Complex, Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701., (hereinafter referred to as "the Generator" which expression shall unless repugnant to the context or meaning thereof, shall mean and include its successors, assigns and affiliates) of the OTHER PART

For GRASIM INDUSTRIES LTD.

For Green Gene Enviro Protection and Infrastructure Private Limited  
Signed for & on behalf of GGEPIPL  
Authorized Signatory

*N. Karthikeyan*  
Authorized Signatory  
Signed for & on behalf of Generator



31/07/23

தமிழ்நாடு தமில்நாடு TAMILNADU

Green Gene Enviro Protection and  
Infrastructure Private Limited  
Plot No. S-60, Phase-III,  
SIPCOT Industrial Estate,  
RANIPET - 632 405.

899640  
R. K. Katturedu  
சென்னை மாவட்டம்  
L.No. 03/5099/02/2011  
தமிழ் - 632 505, தமில்நாடு

Whereas

- 1) GGEPIPL is inter alia engaged in the business activities of development, operations and maintenance of infrastructure projects for hazardous waste management. The Waste Mix Processing Facility Project has been granted EC & Consent To Establish. The CC&A has been granted to operate the 'Alternate Fuel Resource Facility' (AFRF) located at Plot No. S-60, Phase-III, SIPCOT Industrial Estate, Ranipet, Vellore, Tamil Nadu, 634205 by Tamil Nadu Pollution Control Board (TNPCB) as per The Environment (Protection) Act, 1986 and Hazardous Waste (Management, Handling and Transboundary) Rules, 2016 and amended thereafter (Herein after referred to as "The Rules").
- 2) The Other Party (also referred to as "the Generator") is inter alia engaged in the business manufacturing inter-alia paints and allied products and will be generating Hazardous Liquid /Semi Solid /Solid Waste (hereinafter referred to as "Hazardous Waste")
- 3) The Generator is desirous of sending its Hazardous Waste at 'Alternate Fuel Resource Facility' (AFRF) Facility for the purpose of making alternate fuel resource, GGEPIPL Ranipet and have all the regulatory approvals and permits issued by TNPCB, CPCB (defined herein), MOEF (defined herein) or any other competent authority to send hazardous waste at GGEPIPL Ranipet.

Signed for & on behalf GGEPIPL  
Infrastructure Private Limited  
  
Authorized Signatory

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Signed for & on behalf of Generator  
For GRASIM INDUSTRIES LTD.  
  
Authorized Signatory

#### Whereas

- 1) GGEPIPL is inter alia engaged in the business activities of development, operations and maintenance of infrastructure projects for hazardous waste management. The Waste Mix Processing Facility Project has been granted EC & Consent To Establish." The CC&A has been granted to operate the 'Alternate Fuel Resource Facility' (AFRF) located at Plot No. S-60, Phase-III, Sipcot Industrial Estate, Ranipet, Vellore, Tamil Nadu, 634205 by TamilNadu Pollution Control Board (TNPCB) as per The Environment (Protection) Act, 1986 and Hazardous Waste (Management, Handling and Transboundary) Rules, 2016 and amended thereafter (Herein after referred to as "The Rules").
- 2) The Other Party (also referred to as "the Generator") is inter alia engaged in the business manufacturing *inter-alia* paints and allied products and will be generating Hazardous Liquid /Semi Solid /Solid Waste (hereinafter referred to as "Hazardous Waste")
- 3) The Generator is desirous of sending its Hazardous Waste at 'Alternate Fuel Resource Facility' (AFRF) Facility for the purpose of making alternate fuel resource, GGEPIPL Ranipet and have all the regulatory approvals and permits issued by TNPCB, CPCB (defined herein), MOEF (defined herein) or any other competent authority to send hazardous waste at GGEPIPL Ranipet.
- 4) GGEPIPL has agreed to accept and manage the Hazardous Waste of the Generator at its Ranipet Unit and whereas the Generator agrees to send its Hazardous Waste to GGEPIPL during the Term on the terms and conditions stated hereunder.

#### DEFINITIONS & INTERPRETATIONS

- 1.1 "TIME" shall be stated in Hours and shall mean Indian Standard Time.
- 1.2 "DAY" means a period of twelve (12) consecutive hours beginning at 08.00 hours and ending at 20.00 hours.
- 1.3 "WEEK" means a period of seven (7) consecutive days beginning from a day
- 1.4 "MONTH" means a period beginning at 8.00 hours on the first day of Calendar Month and ending at 20.00 hours on the last day of same Calendar Month.
- 1.5 "YEAR" means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February beginning at 8.00 hours from a day.
- 1.6 "FINANCIAL YEAR" means a year starts from 1st day of April month of the year and ending on 31<sup>st</sup> day of March month of next year.

Signed for & on behalf GGEPIPL

For Green Grass Water Protection and  
Infrastructure Private Limited

  
Authorized Signatory

Page 2 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

- 1.7 "CONTRACTED QUANTITY" means the quantity of suitable waste streams for which the generator is entering into the agreement.
- 1.8 The headings of or title to the Clauses in this AGREEMENT shall not be deemed to be a part thereof or be taken into consideration in the interpretation of construction thereof of the AGREEMENT.
- 1.9 Word imparting the singular only also include the plural and vice versa where the contexts so require.
- 1.10 Reference to an individual shall include his legal representative, successor, legal heir, executor and administrator.
- 1.11 "AFRF": Alternate Fuel Resource Facility'
- 1.12 Abbreviations;
- a.) TNPCB means- TamilNadu Pollution Control Board
  - b.) CPCB means-Central Pollution Control Board
  - c.) MOEF means-Ministry of Environment and Forests

**Now Therefore Those Present Witnesses and it is hereby declared and agreed by and between the Parties hereto as follows:**

**01. SCOPE OF AGREEMENT**

GGEPIPL shall collect the Hazardous Waste of Generator and thereafter manage and process the same at its **Alternate Fuel Resource Facility'**, GGEPIPL Ranipet as specified in the Rules in accordance with the applicable laws.

**02. DATE OF AGREEMENT & PERIOD OF CONTRACT:**

Subject to what is stated herein, this Agreement shall commence from **15<sup>th</sup> Day September, 2023** and shall continue to be valid for a **period of 5 (five) years terms** i.e. until **14<sup>th</sup> Day September, 2028 ("Term")**.

**03. EXTENSION OF AGREEMENT**

(a) If the Generator wishes to send its Hazardous waste suitable for co-processing after the expiry of the present agreement, it shall give three months advance written notice prior to expiry of this Agreement to GGEPIPL of its desire of extended period of facility and GGEPIPL shall subject to the available capacity, consider the request and may in its absolute discretion, offer terms for fresh agreement, both the parties hereto shall after reaching an agreement on the offered terms shall execute a fresh agreement at least one month before the date of expiry of this agreement.

Signed for & on behalf GGEPIPL

For Green Skills Centre Protection and Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

(b) The agreement to be terminated with mutual consent in the following eventualities:

- (i) On Authorization to GGEPIPL being cancelled, refused, or not granted by TNPCB.
- (ii) On expiry of Authorization granted to the Generator and the same having not been renewed by the Generator or of the same having been not granted by TNPCB.
- (iii) On expiry of the present Agreement, where no fresh agreement is signed and executed between parties hereto as mentioned above.

(c) Both the parties hereto further agree, in case of the present agreement coming to an end owing to any of the aforesaid eventualities, it will be the sole responsibility of the Generator to manage its Hazardous Waste in accordance with the relevant provisions of law and that GGEPIPL will not be responsible in any manner whatsoever with respect to Hazardous Waste of the Generator.

(d) Renewal of Registration can be done as per clause 03(a) above after payment of appropriate renewal fees mutually agreed between Parties.

#### 04. REGISTRATION FEE & MANAGEMENT CHARGES

4.1 Post generation of Hazardous Waste by Generator, the Generator shall have to make the payment of **Rs.25,000/- (Twenty Five Thousand Rupees Only)** plus all goods and service as one time membership fees taxes simultaneously with the execution of this Agreement.

4.2. The registration under this agreement is not transferable in any manner whatsoever except change in name of company or firm without change in management or control.

4.3. The management charges exclusive of applicable goods and service taxes which is presently in force for the type of hazardous wastes suitable to co-processing agreed for sending to GGEPIPL by Generator is described as follows:

Sl.No	Type ofwastes	Schedule Number	Physical Status	Gross Calorific Value(KJ)	Chloride %	Sulphur%
1.	Cargo residue, washing water and sludge Containing oil	3.1	-	-	-	-
2.	Sludge and filters contaminated with oil	3.3	-	-	-	-
3.	Contaminated aromatic aliphatic or naphthenic solvents, may or may not be fit for reuse	20.1	-	-	-	-
4.	Process wastes, residues and sludges	21.1	-	-	-	-
5.	Wastes or residues (not made with Vegetable or animal materials)	23.1	-	-	-	-

Signed for & on behalf GGEPIPL

For Green Growth Centre Protection and Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

6.	Empty Barrels/Containers/Liners Contaminated With Hazardous Chemicals /Wastes	33.1	-	-	-	-
7.	Exhaust Air or Gas Cleaning residue	35.1	-	-	-	-
8.	Chemical sludge from waste water treatment	35.3	-	-	-	-

Sr. No.	Type of Wastes	Schedule Name	Accumulated QTY. in MT	Annual Commitment QTY. in MT	Annual Generation QTY. in MT	Management Charges* (Rs. per MT)
1.	Cargo residue, washing water and sludge Containing oil	3.1	1.25 MT	15 MT	15 MT	Rs.10,000/-
2.	Sludge and filters contaminated with oil	3.3	1.25 MT	15 MT	15 MT	Rs.10,000/-
3.	Contaminated aromatic aliphatic or naphthenic solvents, may or may not be fit for reuse	20.1	14.16 MT	170 MT	170 MT	Rs.10,000/-
4.	Process wastes, residues and sludges	21.1	10 MT	120 MT	120 MT	Rs.10,000/-
5.	Wastes or residues (not made with Vegetable or animal materials)	23.1	7.5 MT	90 MT	90 MT	Rs.10,000/-
6.	Empty Barrels/Containers/Liners Contaminated With Hazardous Chemicals /Wastes	33.1	10 MT	120 MT	120 MT	Rs.10,000/-
7.	Exhaust Air or Gas Cleaning residue	35.1	0.83 MT	10 MT	10 MT	Rs.10,000/-
8.	Chemical sludge from waste water treatment	35.3	16.66 MT	200 MT	200 MT	Rs.10,000/-

*(Attach sheets in case of more types of wastes)*

- 4.4. The Generator shall be liable to pay GST apart from the above charges.
- 4.5 The management charges that the Generator shall pay to GGEP/PL and it shall be subject to annual upwards revision by 5% (percent).
- 4.6 GGEP/PL has agreed to test & provide Comprehensive Analysis of Hazardous Waste on identified parameters as required for the facility at a cost (Rs. 5000/- per sample)+ 18% GST Extra . This payment will be adjusted in the billing.

Signed for & on behalf GGEP/PL

For Green U.S. Eco Probelite and  
Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory



4.7 The Comprehensive Analysis Report shall determine the acceptance of waste based on the Waste Characteristics & Waste Acceptance Criteria given by the operator of the GGEPIPL.

#### 05. TRANSPORTATION

5.1 As agreed herein above, M/s. GGEPIPL as part of its obligation under authorization granted by TNPCB or as per Rules to ensure effective handling of hazardous waste shall provide Dumpers/ Tractors / Tankers/ Trucks duly authorized by TNPCB to the Generator for transporting its Hazardous Waste to the authorized facility of GGEPIPL at the cost of the Generator.

5.2 Transportation cost per MTKM (Two way KM) of waste from location of GGEPIPL Ranipet to Generator unit and from Generator Unit to "Alternate Fuel Resource Facility (I.e.GGEPIPL Ranipet)" shall be recovered at the following rates;

Sr.	Description	Rate (Rs.)	Unit
1	Transportation Charge	Rs.6.31*KMs*MT (Vehicle capacity or waste capacity whichever is higher)	MT * Kms

The Generator shall be liable to pay GST apart from the above charges.

The above transportation rates are subject to Annexure - '1' attached with this agreement. The transportation Rate shall be revised based on the 'Annexure - 1' & when changes in the cost of fuel charge.

5.3 GGEPIPL shall within 48 hours from the receipt of request by Generator, provide Dumpers / Tractors / Tankers / Trucks for waste lifting if waste to be transported available with Generator are equal to more than one vehicle capacity. In other circumstances GGEPIPL shall provide Dumpers / Tractors / Tankers / Trucks for waste lifting once in month. In either case the Generator shall be charged on the capacity of vehicle being provided for waste lifting, however, the capacity of the vehicle shall not be more than the quantity pre-notified by Generator in its request for collection sent to GGEPIPL.

5.4 In case the transportation rates are given per MT basis or composite rates then the capacity of the vehicle usage would be considered 90% of the vehicle capacity.

#### 06. OBLIGATION OF THE GENERATORS

6.1 While entering into the present agreement with GGEPIPL, the Generator shall submit all categories of Hazardous Waste they desire to send at AFRF in writing. The said categories of Hazardous Waste shall be as per the parameters specified in the Schedules of the Rules. The Generator shall also give true and correct information related to the quantity, Physical and chemical characteristics, nature, and toxicity of Hazardous Waste Substance.

Signed for & on behalf GGEPIPL

For Green Gees Enviro Protection and  
Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

- 6.2 The Generator shall get the Authorization from TNPCC permitting the Generator to send its Hazardous Waste to GGEPIPL and that it shall be the responsibility of the Generator to get the same renewed from time to time.
- 6.3 The Generator has agreed to declare Hazardous Waste Quantities on annual/monthly basis (as per the Rules) and confirm to a set schedule of waste supply to the GGEPIPL.
- 6.4 The Generator shall provide basic information of its process/chemicals used along with MSDS, of its each product and hazardous waste generated there from and its characterization to GGEPIPL or facility operator.
- 6.5 GENERATOR has to maintain necessary detailed records and to provide details of Hazardous waste as follows:
- 6.5.1 Provide details of Waste on the storage container as per (Form 12-as per hazardous waste (M, H &T) Rules 2008 and as amended).
- 6.5.2 Provide details about the Hazardous waste and its characteristics like Explosive/ Ignitable/ Corrosive/ Toxic/ Odor compounds in the Transport Manifest Form (Form 13- as per hazardous waste (M,H&T) Rules 2008, and as amended).
- 6.5.3 TREM card (Form 11- as per hazardous waste (M,H&T) Rules 2008 and as amended) to the transporter of hazardous waste.
- 6.6 In the event of false information/declaration or withholding information (related to Clause 6) any time during this agreement being in force or until the existence of the facility, all liabilities during Transportation shall remain vested as the responsibility of the GENERATOR.
- 6.7 The Generator is obliged to intimate 48 hours in advance to GGEPIPL to arrange for Dumpers / Tractors /Tankers/ Trucks and on arrival of the same at the Generator's site, the Generator shall be responsible for loading its Hazardous Waste into the said Dumpers /Tractors /Tankers/ Trucks, as may be notified by GGEPIPL. from time to time, from the said arrival. If the detention of the said Dumpers / Tractor/Tankers/ Trucks at the GENERATOR's site exceeds five hours, there shall be levied detention charges at the rate mentioned in the Annexure - '1'. The term or rates shall be revised by GGEPIPL from time to time and intimated to generator in time as per Annexure- '1'.
- 6.8 The Generator shall give undertaking to GGEPIPL that the Generator shall take all precautions while packing and loading hazardous wastes in order to ensure that there shall be no leakage or spillage occurs. The Generator shall take all practical steps to ensure that such Waste are properly loaded in the fleet without any adverse impacts on health and environment, which may result from such waste. In the event of such adverse impacts having been caused within the factory premises of the Generator, it shall be the sole liability of the Generator.

Signed for & on behalf GGEPIPL

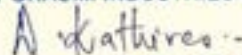
For Great Green Environ Protection and  
Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

- 6.9 GGEPIPL shall accept the waste as per the specifications mentioned in Annexure I herein. In case the Waste does not meet with the specification by 10%, costs shall be discussed mutually between Parties.
- 6.10 GGEPIPL shall have the RIGHT TO REJECT the waste within three (3) working days from the date of its delivery at the Alternate Fuel Resource Facility and the Generator shall be bound to Accept such Hazardous Waste back without any delay and bear all the cost associated with return of hazardous waste rejected by GGEPIPL, if the same is rejected by GGEPIPL due to the any of the following reasons:
- 6.11 The variation in waste characteristics is beyond 10% of the agreed and are found non suitable for WMPF;
- 6.12 The improper packing and loading of wastes resulted in spillage and leakage;  
The registration has expired with GGEPIPL;
- 6.13 The Generator is obliged to maintain waste characteristics as intimated by the GGEPIPL and/or as specified in the first analysis report (attached as Annexure 1 to this AGREEMENT). The variation beyond 10% will not be accepted by GGEPIPL. GGEPIPL is authorized to send it back or is authorized to charge additional charges of such waste resulted due to the change in waste characteristics provided such rejection of waste is intimated to Generator within three (3) working days from the date of its delivery at the Alternate Fuel Resource Facility.
- 6.14 GGEPIPL may by a Notice served on the GENERATOR require him to provide such additional Information as may be specified in the Notice and the GENERATOR shall send the said information to GGEPIPL within the relevant and justified time frame, immediately from the receipt of the said Notice.
- 6.15 Parties shall comply with the provision of Environment (Protection) Act, 1986 and the Rules as amended from time to time as also with the condition of the present agreement and that any breach committed thereof shall render the GENERATOR not eligible for disposing of such Hazardous Waste in GGEPIPL site.
- 6.16 The GENERATOR shall provide all information related to hazardous waste for Government / Non-Government requirements to GGEPIPL, as and when required.
- 6.17 Once the waste is unloaded and accepted at the facility by GGEPIPL, The Generator shall not claim any right, interest or privilege in or in relation / Connection with Hazardous Waste accepted at the site of GGEPIPL.
- 6.18 In case of any change in quality and/or production rate of products or waste quantity or characteristics, the GENERATOR shall intimate GGEPIPL by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change.

Signed for & on behalf GGEPIPL

For Green Plus Enviro Protection and  
Infrastructure Private Limited

  
Authorized Signatory

Page 8 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

6.19 In case of any accident, spillage or leakage resulting in environmental degradation; while loading and unloading, transportation; happening due to the poor quality of wastes packaging by the Generator, the GENERATOR shall be solely liable for the subsequent legal and financial liabilities, if any. Further it is agreed that Generator through vehicle driver shall ensure that after loading of properly packed waste material, vehicle is covered through tarpaulin properly and tied with ropes tightly to avoid and leakage/spillage/fall of the material during transportation. It is expressly agreed between Parties that Generator shall not be liable for any loss or damage arising out of negligence of driver or in transit breakdown of the vehicle provided by GGEPIPL subject to the material as per the FPA norms

#### 07. BILLING AND PAYMENT OF MANAGEMENT CHARGES/ SECURITY DEPOSIT

- 7.1 The samples will be drawn and will get tested through waste characterization process. The cost for this purpose shall be borne by the respective GENERATOR only.
- 7.2 The GENERATOR covenants that the charges for the disposal of its Hazardous Waste as notified by GGEPIPL shall be subject to revision as mutually agreed between Parties.
- 7.3 GGEPIPL shall charge the GENERATOR on the basis of weightment to be done at the GGEPIPL's Ranipet site. If the Weigh Bridge at the Ranipet site is not working, it will be weighed at outside Weight Bridge approved by GGEPIPL Ranipet.
- 7.4 The GENERATOR shall be bound by the test result / reports of GGEPIPL for Waste Management charges.
- 7.5 The generator shall make all payments within 30 Days as per the agreed terms and condition only through ASSIGNED VAN ACCOUNT. NO OTHER PAYMENT FORMS ARE ACCEPTABLE

#### 08. QUALITY:

- 8.1 The Generator hereby covenants to see that its Hazardous Waste shall, under all circumstances, Conform to the norms specified by TNPCB and as prescribed under the provisions of law the time being in force.
- 8.2 The following listed Waste may not be accepted by GGEPIPL unless expressly specified by GGEPIPL.
- (i) Wastes containing explosive substances
  - (ii) Waste which has an obnoxious odor
  - (iii) Waste which is flammable (Flash point below 65° C)
  - (iv) Waste which contains shock sensitive substances
  - (v) Waste which contains volatile substance of significant toxicity
  - (vi) Waste which contains cyanide compounds

Signed for & on behalf GGEPIPL

For Green Cells Enviro Protection and  
Infrastructure Private Limited

  
Authorized Signatory

Page 9 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

8.3 GGEPIPL may reject Hazardous Waste in total, if the GENERATOR'S above mentioned Hazardous Waste is found not to be in consonance with the specifications provided by GGEPIPL subject to 10% variation and the decision of GGEPIPL in rejecting the Hazardous Waste of the GENERATOR for non-compliance of the provisions of the present Agreement will be final and it will not be called in question and the GENERATOR shall have to pay the extra amount which shall be charged by GGEPIPL for expenditure incurred in analyzing, transporting and returning of the rejected such Hazardous waste of the GENERATOR.

## 09. QUANTITY

9.1 Subject to the conditions mentioned under clause in this agreement, the Generator agrees to send on firm basis to GGEPIPL, its own hazardous waste subject to minimum of 1 MT per month and 12 MT per annum, which will be called the Contracted quantity which, if less than what is stated herein, shall be charged on the 90% of such minimum quantity committed.

## 10. GGEPIPL RESPONSIBILITY

10.1 GGEPIPL shall at all times comply with all the provisions of the Act and Rules from time to time in force and the Guidelines regarding handling of Waste involving the collection, storage, transportation and delivery thereof, and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. Further, GGEPIPL shall get all the regulatory approvals, licenses, and authorization from TNPCB permitting the GGEPIPL to carry out the purpose of its appointment as mentioned in clause 1 herein and that it shall be the responsibility of GGEPIPL to get such regulatory approvals, licenses and authorizations renewed from time to time.

10.2 GGEPIPL has agreed to manage the hazardous waste of Generator as per the applicable laws, and authorization to be granted by TNPCB from time to time.

10.3 GGEPIPL on receipt of information from Generator will plan and schedule for transport within 48 hours of intimation from the Generator.

10.4 GGEPIPL shall notify a responsible person to receive, authorize unloading and sign the relevant documents like manifests and establish communication with the Generator and with the relevant agencies statutory or otherwise.

10.5 GGEPIPL shall be obliged to carry out the transportation activity including the arrangement of Dumpers / Tractors / Tankers/ Trucks within 48 hours of receipt of intimation from the Generator.

## 11. DEFAULT

11.1 If the Generator fails and/or defaults in the discharge of any of his obligation under the present agreement, the GGEPIPL may delist the Generator.

Signed for & on behalf GGEPIPL

For Green Green Enviro Protection and  
Infrastructure Private Limited  
  
Authorized Signatory

Page 10 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.  
  
Authorized Signatory

11.2 GGEPIPL reserves its right to accept or refuse Registration. In event of GENERATOR committing any breach / violation of the condition of the present agreement or any provision of Law /Act / Rules for the time being in force, GGEPIPL reserves its right to suspend / cancel the Registration for such period as it deem fit without giving any reason or prior notice.

11.3 Where an offence under the Environment Protection Act or under the Rules framed there under, has been committed by the GENERATOR or is attribute to any negligency on the part of the GENERATOR which shall include its Director, Partner, Proprietor, Manager, Secretary, Officer, Partner, etc. and if such GENERATOR is guilty of the offence or is liable to be prosecuted against and punished accordingly. No suit, prosecution or legal proceeding (s) shall lie against GGEPIPL for the offence committed by its GENERATOR

**12. If the Generator fails and/or defaults in the discharge of any of his obligation under the present agreement, the GGEPIPL may delist the Generator. TRANSFER OF RIGHTS**

GGEPIPL may at any time transfer or assign its rights and obligations under the AGREEMENT to any other company or business concern by giving intimation in writing to the GENERATOR. Upon such transfer or assignment, only the transferee or assignee shall be liable for the obligations herein contained.

**13. INDEMNITIES**

13.1 Generator and GGEPIPL severally shall at all times comply with all the provisions of the relevant Act and Rules from time to time in force and the Guidelines regarding managing of the said Waste and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. In the event of GENERATOR and (or) GGEPIPL committing any breach of the terms of this clause of the Agreement, GENERATOR and GGEPIPL as the case may be shall indemnify and keep indemnified the Generator GGEPIPL of, from and against all claims, payments, costs and actions of whatsoever nature brought against or sustained or incurred by the Generator / GGEPIPL as the case may be and whether paid for or not arising from or as a result of such breach committed by GENERATOR/ GGEPIPL of the facility in that behalf.

13.2 GENERATOR shall indemnify and keep indemnified GGEPIPL at all times from and against all actions, suits, proceedings, claims, third party claims, costs, payments and expenses of whatsoever nature made or suffered or incurred by operator of the facility, whether by reason of or by virtue of non-performance or non-observance or non-compliance by GENERATOR of any terms and conditions of this Agreement or of the Act, the Rules and the Guidelines.

Signed for & on behalf GGEPIPL

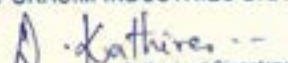
For Green Growth Protection and  
Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory


13.3 GGEPIPL shall at all times comply with all the provisions of the Act and Rules from time to time in force and the Guidelines regarding handling of Waste involving the collection, storage, transportation and delivery thereof, and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. In the event of GGEPIPL committing any breach of the terms of this clause of the Agreement, GGEPIPL shall indemnify and keep indemnified GENERATOR of from and against all claims, payments, costs and actions of whatsoever nature brought against or sustained or incurred by GENERATOR and whether paid for or not arising from or as a result of such breach committed by the operator of the facility in that behalf, gross negligence, willful misconduct, non-performance, non-observance, non-compliance of any terms and conditions of this Agreement or of the Act, the Rules, Regulations, Notifications and the Guidelines under Applicable Laws.

#### 14. FORCE MAJEURE

- 14.1 In case of any environment risk arising during the performance of this Agreement at the storage site of GGEPIPL either due to force majeure or due to circumstances beyond the control of the parties hereto, the GENERATOR hereby covenants that any liabilities and/or responsibilities which may consequently arise shall be undertaken generally by GGEPIPL.
- 14.2 Both the parties hereto agree that in any event of there being order in form of any injunction, stay, or otherwise from any Court, TNPCB, or any other Authority stopping the functioning of the Site or otherwise whereby GGEPIPL becomes unable to accept Hazardous Waste of the GENERATOR, GGEPIPL shall not be responsible or made responsible and / or be liable in any manner in that regard and that in such an eventuality, it shall be the responsibility of the GENERATOR to get the needful done in respect of disposal of its Hazardous Waste.
- 14.3 The term FORCE MAJEURE in the CONTRACT means act of God, war, revolt, riot, fire, tempest, flood, earthquake, lightening, direct or indirect consequences of war (declared / Undeclared), sabotage, hostilities, national emergencies, civil disturbance, commotion, embargo or any law or promulgation, regulation or ordinance whether Central or State or Municipal, breakage, bursting or freezing or stoppage and / or reduction in quantum of Hazardous Waste to be disposed of at the site. Upon occurrence of such cause and on its termination, the parties rendered unable as aforesaid shall notify the other party in writing within twenty four (24) hours of the beginning and the ending, giving full particulars and satisfactory evidence thereof. Any action of labour employed by the GENERATOR shall not be considered as FORCE MAJEURE.
- 14.4 Notwithstanding anything else contained herein, neither PARTY hereto shall be liable for damages or to have this AGREEMENT terminated for any delay or default in the performance of such PARTY hereunder if such delay or default in performance derives from conditions beyond the reasonable control of such PARTY, including but not limited to, acts of God, strikes, fires, floods, extreme drought, shortage of supply, riots, work stoppages, embargoes, governmental actions or damage to the plant or facility or any cause unavoidable or beyond the control of either party including any arbitrary ruling by the Government prohibiting the handling of the Waste or continuing domestic or international problems such as wars or insurrections.

Signed for & on behalf GGEPIPL

For Green Growth Envtl Protection and  
Infrastructure Private Limited



Authorized Signatory

Page 12 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.



Authorized Signatory

14.5 This Agreement shall be deemed to represent the entire Agreement between the parties hereto regarding the subject matter hereof and shall supersede, cancel and replace any and all prior agreements or arrangements, if any, in this behalf, by and between the parties hereto.

14.6 Nothing contained herein shall be deemed to constitute a partnership, joint venture or Agency by and between the parties hereto.

14.7 This Agreement may be modified or amended only by writing, duly executed by or on behalf of the parties hereto.

14.8 Any terms and conditions of this Agreement may be waived at any time by the party that is entitled to the benefit thereof. Such waiver must be in writing and must be executed by an authorized officer of such party. A waiver on one occasion will not be deemed to be a waiver of the same or any other breach or non-fulfillment on a future occasion.

14.9 In the event that any provisions of this Agreement is held to be illegal, invalid or Unenforceable under any present or future law such provisions shall be deemed Terminable and the remaining parts & provisions of this Agreement shall remain in full force & effect.

14.10 Either party shall have no right to terminate this agreement and in the event of dispute arising out of and in the course of the pendency of this agreement shall settle the same mutually, within reasonable time frame keeping in view the greater interest of the Organizations i.e. Generator and GGEPIPL with due allegiance to the applicable legislations and regulations laid down from time to time.

#### 15. PREVIOUS CORRESPONDANCE

15.1 Save and except all discussions and meeting held and correspondence exchanged between GGEPIPL and the GENERATOR in respect of the AGREEMENT and any decisions arrived at therein in the past and before the coming into force of the present AGREEMENT and no reference of such discussions or the GENERATOR for interpreting the present AGREEMENT or otherwise. Whereas solid waste data sheet and application form, will be treated to be the part of this agreement.

#### 16. ARBITRATION

16.1 In case of any dispute or difference of opinion arising out of the present agreement the matter shall be referred to an Arbitrator mutually agreed upon by the GENERATOR and the GGEPIPL, whose decision on the issue shall be final and binding on both the parties.

- a) The place of Arbitration will be Mumbai
- b) The cost of Arbitration will be borne by the respective party.

#### 17. LAWS GOVERNING THE AGREEMENT

17.1 The present agreement shall be subject to Indian Laws, rules and regulation and notifications etc. issued under such laws.

Signed for & on behalf GGEPIPL

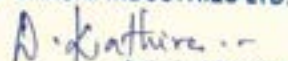
For Green Green Eriko Protection and  
Infrastructure Private Limited

  
Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory



## 18. AMENDMENTS

18.1 GGEPIPL may at any point of time make suitable change in the present Agreement after serving a notice to the said GENERATOR.

## 19. TERMINATION OF AGREEMENT

19.1 This AGREEMENT can be terminated by either party after giving prior written Notice of at least 120 days to the other party.

19.2 GGEPIPL has the unrestricted right to terminate this AGREEMENT and deduct its all pending Claims the deposit of the GENERATOR.

## 20. GOVERNING LAW, JURISDICTION AND DISPUTE RESOLUTION

20.1 Any dispute arising out of or in connection with this Agreement, including any question regarding its existence, validity, interpretation, non-compliance or non-performance or termination, controversies and conflicts ("Disputes"), as far as possible, be settled amicably between the Parties hereto at the first instance within a period of thirty (30) days of notifying such Dispute for negotiation, and such period of negotiation may be mutually agreed and extended in writing.

20.2 910.2 Any unresolved Disputes shall be finally settled in accordance with the rules promulgated by the Mumbai Centre For International Arbitration (MCLA) ("Rules"). Notwithstanding the foregoing, either Party may seek injunctive relief in any court of competent jurisdiction. Parties agree that the seat of the arbitration shall be at Mumbai and there shall be three arbitrators, each Party selecting one arbitrator within 15 days after the claimant commences the arbitration by giving written notice of the arbitration and the third (and presiding) arbitrator selected by the two arbitrators so selected within 30 days after their appointment. If the two arbitrators cannot agree on the third arbitrator within such 30-day period, the third arbitrator shall be appointed in accordance with the Rules; The language of the arbitration shall be English and the award shall be in writing and shall set forth in reasonable detail the facts of the Dispute and the reasons for the tribunal's decision. The award in such arbitration shall be final and binding upon the Parties and judgment thereon may be entered in any court having jurisdiction for its enforcement. The addresses of the parties hereto unless changed by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change, shall be as follows:

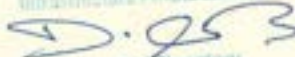
a) **M/A.GREEN GENE ENVIRO PROTECTION AND INFRASTRUCTURE PRIVATE LIMITED (GGEPIPL) (UNIT-RANIPET)**

Reg. Office: 370, S V P Road, Shop 8, Plot 384, Cigaretwala Bldg., Opp. CBI, PrathmaSamaj, Nr. Harkishandas Hospital, Mumbai - 400004, Maharashtra  
Site: Plot No. Plot No. S-60, Phase-III, Sipcot Industrial Estate, Ranipet, Vellore, Tamil Nadu, 634205

b) **GENERATOR Address: Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT industrial Complex, Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701.**

Signed for & on behalf GGEPIPL

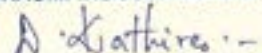
For Green Gene Enviro Protection and  
Infrastructure Private Limited

  
Authorized Signatory

Page 14 of 16

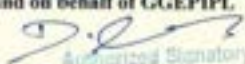
Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.

*For Green Green Enviro Protection and Infrastructure Private Limited*  
**For and on behalf of GGEPIPL**

  
**(Sign & Stamped by Authority)**

Witness:

1

Name :Gujendrabapu D  
Designation :Marketing Manager  
Address :GGEPIPL\_RANIPET

2

Name :Mohd Hashim  
Designation :Marketing Executive  
Address :GGEPIPL\_RANIPET

**For and on behalf of GENERATOR**

**(Sign & Stamped by Authority)**

Witness:

1.....

Name :  
Designation :  
Address :

2.....

Name :  
Designation :  
Address :

Signed for & on behalf GGEPIPL

*For Green Green Enviro Protection and Infrastructure Private Limited*

  
Authorized Signatory

Page 15 of 16

Signed for & on behalf of Generator

**For GRASIM INDUSTRIES LTD.**

  
Authorized Signatory

**Annexure -1**

The Current Diesel Price is **Rs.95.98** /- Per Liter.

The Service Tax or any other taxes if applicable shall be extra. The Toll Tax, Packing Material shall be extra.

The Transportation, Loading and unloading costs are subject to revision on Monthly basis due to escalations in fuel price and other costs. The transportation rates shall be revised based on the formula below as & when changes in the cost of fuel and other charge.

The effect of increase in diesel price shall be given in Prevailing Transportation Rate on monthly basis when price increase by Rs. 1.00 Per Liter or more otherwise on quarterly basis.

**A. Increase in Transportation Rate due to increase in Diesel Price =**

Prevailing Transportation Rate X 70% (Considering Fuel Component) X % increase in Diesel Price

**Revised Transportation Rate =**

Prevailing Transportation Rate + Increase in Transportation Rate due to increase in Diesel Price

Further also the Transportation Rates are subject to annual increase towards other than fuel cost @ 5.00% considering 30% of prevailing Transportation Rate and formula shall be as under;

**B. Increase in Transportation Rate on annual basis =**

Prevailing Transportation Rate X 30% (Considering other cost Component) X 5.00%

**Revised Transportation Rate =**

Prevailing Transportation Rate + Increase in Transportation Rate on annual basis

The maximum loading time and detention charges beyond the free loading time for different capacity vehicles are as given below:

SN	Vehicle Capacity	Free Loading Time	Detention Charges/ hr
(i)	9 MT, 16 MT	4 hrs	Rs. 200/- per hour will be charged after loading the waste above 04 Hours

Signed for & on behalf of GGEPIPL

For Green Growth, Pollution and Infrastructure Private Limited

  
Authorized Signatory

Page 16 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

**ANNEXURE-II**

**AMENDMENT IN AGREEMENT**

In the continuation of the Agreement dated on 15<sup>th</sup> Day of September 2023 , this Annexure-II is made on this 15<sup>th</sup> Day of September 2023

**Existing:-**

4.5 The management charges that the Generator shall pay to GGEPIPL and it shall be subject to annual upwards revision by 5% (percent).

**Amended:-**

4.5 The Management Charges that the member shall pay to GGEPIPL shall be subject to annual upwards revision by 5% (percent) shall be Applicable only upon mutual acceptance by the Generator & GGEPIPL.

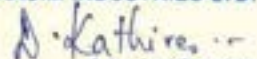
Signed for & on behalf of GGEPIPL

For Green Green Enviro Protection and  
Infrastructure Private Limited

  
Authorized Signatory

Signed for & on behalf of Generator

Page 1 of 1 For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

**ANNEXURE III**

In the continuation of the Agreement dated on 15<sup>th</sup> Day of September 2023 , this Annexure-III is made on this 15<sup>th</sup> Day of September 2023

Customer Name: M/s.GRASIM INDUSTRIES LIMITED (BIRLA PAINTS DIVISION),  
Registered office:Birlagram, Nagda, Madhya Pradesh, 456331, India

Factory works at:Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT industrial Complex,  
Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701

Agreement dated: 15th day of September 2023 to 14th day of September 2028


Dear sir,

Kindly note that the main agreement has been issued for the purpose of your CTO.  
We have not done the Finger Print Analysis (FPA), for the wastes you intend to generate.

Hence, the prices we have indicated in our agreement is only for your budgetary purpose.

Actual price will be agreed mutually by both of us based on your actual generation of wastes and the corresponding FPA report, will be declared by Annexure

In case of your waste being non compatible for our AFRF process, M/s Green Gene Enviro Protection and Infrastructure Private Limited (Unit - Ranipet), (GGEPIPL) has the right to modify/ reject a portion or the entire agreement itself.

For Green Gene Enviro Protection and  
Infrastructure Private Limited  
Authorized Signatory   
Authorized Signatory

Seal:

Date: 15.09.2023

Name: Gajendrabapu D

For GRASIM INDUSTRIES LTD.  
  
Authorized Signatory

Seal:

Date:

Name:

**ANNEXURE III**

In the continuation of the Agreement dated on 15<sup>th</sup> Day of September 2023 , this Annexure-III is made on this 15<sup>th</sup> Day of September 2023

Customer Name: M/s GRASIM INDUSTRIES LIMITED (BIRLA PAINTS DIVISION),  
Registered office: Birlagram, Nagda, Madhya Pradesh, 456331, India

Factory works at: Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT industrial Complex,  
Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701

Agreement dated: 15th day of September 2023 to 14th day of September 2028

Dear sir,

Kindly note that the main agreement has been issued for the purpose of your CTO.  
We have not done the Finger Print Analysis (FPA), for the wastes you intend to generate.

Hence, the prices we have indicated in our agreement is only for your budgetary purpose.

Actual price will be agreed mutually by both of us based on your actual generation of wastes and the corresponding FPA report, will be declared by Annexure

In case of your waste being non compatible for our AFRF process, M/s Green Gene Enviro Protection and Infrastructure Private Limited (Unit - Ranipet), (GGEPIPL) has the right to modify/ reject a portion or the entire agreement itself.

For Green Gene Enviro Protection and  
Infrastructure Private Limited  
Authorized Signatory   
Authorized Signatory

Seal:

Date: 15.09.2023

Name: Gajendrabapu D

For GRASIM INDUSTRIES LTD.

  
Authorized Signatory

Seal:

Date:

Name:



தமிழ்நாடு தமிழ்நாடு TAMILNADU

தேதி 21/08/2023  
ரூபாய் 100/-

Sri Gowri Industries

DD 494533  
R. K. Gnanapriya  
முத்தியாத்தூர் விடுபாளையம்  
உரிமம் எண். 11/2011  
அப்துல் கரீம்  
சென்னை ம.க.ப. (உ.ப.க.க.)

**AGREEMENT FOR DISPOSAL OF HAZARDOUS WASTE**

This agreement is Effective from 23-Aug-2023 between 23-Aug-2025

M/s. GRASIM INDUSTRIES LIMITED which is a Company incorporated under the provisions of the Companies Act, 1956 and having its registered office at GRASIM INDUSTRIES LIMITED (Birla Paints Division), Plot No .A-3/1 & A-4/2, Phase -2, SIPCOT Industrial Complex, Mahajanambakkam Village, Cheyyar Taluk, Tamilnadu-631701. (hereinafter referred to as "the Generator" which expression shall unless repugnant to the context or meaning thereof, shall mean and include its successors, assigns and affiliates) of the FIRST PARTY

AND

M/s. SRI GOWRI INDUSTRIES located at , 79/4, KONDALANGKUPPAM Village, VANUR Taluk, Villupuram District, Tamil Nadu 605502.. Here in after called BUYER represented by its PROPRIETOR which expression unless repugnant to the subject or context shall include its successors and assignees of the SECOND PARTY.

**SCOPE OF THE CONTRACT WORK:**

M/s. SRI GOWRI INDUSTRIES shall collect and dispose the used/spent oil from M/s. GRASIM INDUSTRIES LIMITED as per the terms as agreed under.

For Grasim Industries Limited

D. Kathiresan  
Authorised Signatory

J. Nataraj



M/s. SRI GOWRI INDUSTRIES should comply and shall continue to comply and operate with all applicable permits and all applicable environment and other relevant laws, whether central or state and any local laws, regulations and ordinances enacted and / or notified by all duly constituted authorities.

M/s. SRI GOWRI INDUSTRIES should have obtained all necessary and relevant permits, licenses and other central, state, or local authorizations required to purpose and handle materials and to provide processing services.

All such permits and licenses shall be kept valid by M/s. SRI GOWRI INDUSTRIES even during any extended/renewed terms of this agreement.

M/s. SRI GOWRI INDUSTRIES shall promptly issue certification of disposal for each and every lot of material bought by it from FIRST PARTY.

Each such certificate shall be submitted to FIRST PARTY, within a calendar month of the lot having been picked up by SRI GOWRI INDUSTRIES.

M/s. SRI GOWRI INDUSTRIES shall be solely responsible for processing, disposing and / or destructing all Used/Spent Oil as per the prevailing government/regulatory norms picked by it

from FIRST PARTY and shall indemnify the Generator for any loss arising out of any obligations, claims, actions, suits, judgments, orders, litigations, enforcements and/or proceedings, incurred or sustained by the Generator in connection with and as a consequence of: (i) breach of the terms of this Agreement; (ii) fraud, theft, misconduct, negligence or deficiency of Service by Buyer; (iii) any negligent act or omission committed in the course of Services hereunder, or any misrepresentation made during the course of Services hereunder.

For any materials bought by SRI GOWRI INDUSTRIES from GeneratorFIRST-PARTY,

M/s.GRASIM INDUSTRIES LIMITED, undertakes to keep and retain adequate passbooks and records and any documentation consistent with and for the periods required by applicable regulatory requirements said records, books and documentation shall be available for inspection by GeneratorFIRST-PARTY upon reasonable advance notice

M/s. SRI GOWRI INDUSTRIES shall provide all labour, materials, transport, tool and equipment (all collectively referred to for purpose of these clauses "tools") for performance of this agreement.

#### TERMS OF PAYMENT

The material will be cleared from the site against cheque / demand draft / Net banking in favor of M/s. GRASIM INDUSTRIES LIMITED, by M/s. SRI GOWRI INDUSTRIES In witness whereof the parties here unto have signed on the day and year mentioned above

#### 1 PURPOSE OF THE AGREEMENT

For Grasim Industries Limited

D. Kathiresan  
Authorised Signatory

J. N. N. N. N. N.





The purpose of this agreement is to specify the conditions under which seller sells the product ("products") to the buyer.

**2 BUSINESS CONTRACTS**

The business contracts related to these agreement are

**GRASIM INDUSTRIES LIMITED**

(Birla Paints Division)  
Plot No .A-3/1 & A-4/2,Phase -2, SIPCOT Industrial Complex,  
Mahajanambakkam Village,  
Cheyyar Taluk, Tamilnadu-631701

And

**M/s. SRI GOWRI INDUSTRIES,**  
79/4, KONDALANGKUPPAM Village,  
VANUR Taluk, Villupuram District, Tamil Nadu 605502,

**1 OTHER DOCUMENTS**

It is hereby agreed that a non-disclosure agreement entered into between the parties shall remain in force and is applied to this agreement, to the extent that the terms of such non-disclosure agreement shall prevails.

**2 TENURE OF THE AGREEMENT**

This agreement shall be effective from the date of signing this agreement (i.e. 23rd Aug 2023 and will be valid till 23<sup>rd</sup> Aug 2025 for a period of Two Year and it may be extended based on mutual agreement between these parties.

IN WITNESS WHEREOF this agreement and Non-Disclosure agreement has been duly signed and executed by the parties hereto in two original copies on the date written above.

**3 AUDIT:**

**M/s. GRASIM INDUSTRIES LIMITED**, or its authorized agent has the right to perform environment services for the purpose of verifying environmental safety procedures

followed by **M/s. SRI GOWRI INDUSTRIES**,. Should the audit indicate questionable procedures of **M/s GRASIM INDUSTRIES LIMITED** or its sole judgment, not with standing any other provision of this agreement, **M/s. GRASIM INDUSTRIES LIMITED** , shall have the right to terminate this agreement, in whole or in part.

For Grasim Industries Limited

*A. Kathiresan*  
Authorised Signatory

*J. Nadiger*



**4 Compliance with Laws :-**

M/s. SRI GOWRI INDUSTRIES shall comply with all applicable laws, regulations, directives, guidelines, rules, orders, conventions, ordinances and standards of the country(ies) of origin and destination or that relate to the manufacture, labeling, transportation, importation, exportation, licensing, approval or certification of the goods or services, including, but not limited to, those relating to environmental matters, data protection and privacy, wages, hours and conditions of employment, subcontractor selection, discrimination, occupational health/safety and motor vehicle safety. Supplier hereby represents and warrants that it shall not, directly or indirectly through its directors, partners, employees, agents or subcontractors, in India.

**5 FORCE MAJEURE:**

Neither Party will be liable for any failure or delay in performing an obligation under this Agreement that is due to any of the following causes, to the extent beyond its reasonable control: acts of God, accident, riots, war, terrorist act, epidemic, pandemic, quarantine, civil commotion, breakdown of communication facilities, breakdown of web host, breakdown of internet service provider, natural catastrophes, governmental acts or omissions, changes in laws or regulations, national strikes, fire, explosion, generalized lack of availability of raw materials or energy.

If a Force Majeure occurs and is preventing or delaying performance of a party's obligation under this Agreement, the party will be excused from the performance, or the timely performance, as the case may be, of such obligation for so long as the circumstances giving rise to such prevention or delay may continue and provided the party has provided reasonably prompt written notice of the Force Majeure. Notwithstanding the foregoing, a party will not be excused from its obligations as a result of any event contributed to by the fault of the party nor will a party be excused from its obligations due to the effects of a Force Majeure that could have been avoided or mitigated by the exercise of reasonable care and diligence by the party.

For the avoidance of doubt, Force Majeure shall not include (a) financial distress nor the inability of either party to make a profit or avoid a financial loss, (b) changes in market prices or conditions, or (c) a party's financial inability to perform its obligations hereunder.

For Grasim Industries Limited

*D. Kathiresan*  
Authorised Signatory

*J. Nandhiya*



**6 ARBITRATION:-**

All disputes and differences, controversies or claims directly or indirectly arising out of or relating to this agreement, which shall arise between the parties hereto at any time including after termination of this agreement or the interpretation, Construction, enforceability, breach, termination or invalidity thereof, shall be referred for arbitration to sole arbitrator to be appointed by authorized person of **M/s. GRASIM INDUSTRIES LIMITED**

at their discretion. This arbitration shall be conducted in accordance with the Arbitration and Conciliation Act, 1996 or and statutory modification or Re- Enactment thereto for the time being in force shall apply. The place of arbitration and jurisdiction for the settlement of all matters under dispute shall be at Chennai.

For  
M/s. **GRASIM INDUSTRIES LIMITED**  
(Birla Paints Division)

*D. Kathiresan*

(AUTHORISED SIGNATORY)

For  
M/s. **SRI GOWRI INDUSTRIES**

*J. Nethiya*



(AUTHORISED SIGNATORY)

## Annexure- 6

### Consent To Operation Copy (CTO)

Category of the Industry :

RED



**CONSENT ORDER NO. 2305252368846 DATED: 26/10/2023.**

**PROCEEDINGS NO.T1/TNPCB/F.1602TVM/RL/TVM/A/2023 DATED: 26/10/2023**

**SUB:** Tamil Nadu Pollution Control Board –CONSENT TO OPERATE –DIRECT –M/s. GRASIM INDUSTRIES LIMITED (PHASE-1) , S.F.No. Plot.No.A3/1 & A4/2, MAHAJANAMBAKKAM village Cheyyar Taluk and Tiruvannamalai District - Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg.

**Ref:** 5. CTE PROCEEDINGS NO.T4/TNPCB/F.1602TVM/RL/TVM/W&A/2022 DATED: 27/06/2022  
6. Unit's Application No. 52368846 dated: 21-09-2023  
7. DEE's IR.No : F.1602TVM/RL/AE/TVM/2023 dated 03/10/2023  
8. Approved minutes of CCC vide Item no 314-2 dated: 18.10.2023

CONSENT TO OPERATE is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to

The Director  
M/s. GRASIM INDUSTRIES LIMITED (PHASE-1)  
S.F No. Plot.No.A3/1 & A4/2  
MAHAJANAMBAKKAM Village  
Cheyyar Taluk  
Tiruvannamalai District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2028**

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

To  
The Director,  
M/s.GRASIM INDUSTRIES LIMITED (PHASE-1),  
Birlagram, Nagda , Ujjain District, Madhya Pradesh, India.  
Pin: 456331

Copy to:

1. The Commissioner, ANAKKAVUR-Panchayat Union, Cheyyar Taluk, Tiruvannamalai District.
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THIRUVANNAMALAI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.
4. File

**SPECIAL CONDITIONS**

1. This consent to operate is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	Water Based Paints(Including Distemper & Colorants)	300000	KL Per Annum
<b>Intermediate Product Details</b>			
1.	Emulsion	150000	KL Per Annum

2. This consent to operate is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

<b>I Point source emission with stack :</b>				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm <sup>3</sup> /hr
01	Water Based Paint Block	Wet scrubber with stack	11	3240
02	Emulsion Block	Wet scrubber with stack	12	840
03 & 04	Boilers 2 TPH: 2 Nos	Stack for each	30	7500.14
05	Boiler-0.5 TPH: 1 No	Stack	30	7080
06 & 07	Diesel Generators 2000 KVA: 2 Nos	Acoustic Enclosures with stack for each	30	1996
<b>II Fugitive/Noise emission :</b>				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Diesel Generators 2000 KVA: 2 Nos	Noise	Acoustic Enclosures	

- 3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :

Sl.	Parameter	Unit	Tolerance limits	Stacks
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**Annexure enclosed if applicable. :-**

- 3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO <sub>2</sub> )	Annual	microgram/m <sup>3</sup>	50	20
			24 hours	80	80
2.	Nitrogen Dioxide (NO <sub>2</sub> )	Annual	microgram/m <sup>3</sup>	40	30
			24 hours	80	80
3.	Particulate Matter (Size Less than 10 micro M) or PM <sub>10</sub>	Annual	microgram/m <sup>3</sup>	60	60
			24 hours	100	100
4.	Particulate Matter (Size Less than 2.5 micro M) or PM <sub>2.5</sub>	Annual	microgram/m <sup>3</sup>	40	40
			24 hours	60	60
5.	Ozone (O <sub>3</sub> )	Annual	8 Hours	100	100
			24 hours	180	180
Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual	microgram/m <sup>3</sup>	0.5	0.5
			24 hours	1.0	1.0
7.	Carbon Monoxide (CO)	8 Hours	milligram/m <sup>3</sup>	02	02
			1 Hour	04	04
8.	Ammonia (NH <sub>3</sub> )	Annual	microgram/m <sup>3</sup>	100	100
			24 hours	400	400
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	Annual	microgram/m <sup>3</sup>	5	5
10.	Benzo(O) Pyrene (BaP) -particulate phase only	Annual	nanogram/m <sup>3</sup>	01	01
11.	Arsenic (As)	Annual	nanogram/m <sup>3</sup>	06	06
12.	Nickel (Ni)	Annual	nanogram/m <sup>3</sup>	20	20

3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L <sub>eq</sub> -dB(A)	Day Time	Night Time
Industrial Area	75	70

- All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl. No.3 above.
- The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the previous written permission of the Board.
- The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.
- The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.

8. Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in Sl.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
9. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.

**Special Additional Conditions:**

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LiFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LiFE" action points and document the same and furnish half yearly report to Board.

**Additional Conditions:**



1. The unit shall operate and maintain the Air Pollution Control Measures efficiently and continuously so as to satisfy the National Ambient Air Quality/Emission Standards prescribed by the Board at all times.
2. The unit shall strictly adhere with the Ambient Noise Level Standards prescribed by the Board at all times.
3. The unit shall effectively install, operate & maintain the online continuous VOC monitoring meters with computer recording facility at the source as well as stack within one month time from the issue of this consent order.
4. The unit shall install 24x7 Online Continuous Emission Monitoring System (OCEMS) for the parameters PM10, PM2.5, SOx and NOx and connect to the CARE AIR Centre of TNPCB before within one month time from the issue of this consent order.
5. The unit shall install system to carryout Ambient Air Quality monitoring System (CAAQMS) for the parameters VOC, PM10, PM2.5, SOx and NOx 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 within one month time from the issue of this consent order.
6. The unit shall continue to develop green belt with native species in an extent area of 35% of the total area of the premises. Extensive plantation/green belt shall be developed along the internal roads and boundary line of the premises. A minimum of 15 m width green belt shall be maintained.
7. The unit shall provide solar panels made of RoHS standards materials for street lighting within the premises.
8. The unit shall furnish a detailed report on the safety measures and health aspects including periodical audiometry, pulmonary lung function etc., for all the workers and the corresponding test reports shall be furnished to the Board once in a year.
9. The unit shall apply for and obtain Authorization under Hazardous and Other Wastes (Management and Transboundary) Rules, 2016 as amended within one month from the issue of this Consent order.
10. The unit shall strictly comply with all the provisions of Hazardous and Other Wastes (Management and Transboundary) Rules, 2016 as amended.
11. The unit shall obtain other permissions from the competent authorities whatever it is necessary for operation of the unit.
12. The operation of the unit shall not invite any complaints.
13. The unit shall maintain good housekeeping practices within the premises.
14. The unit shall remit the consent fee arrears, if any as and when demanded from the Board.
15. The unit shall furnish the audited Balance Sheet every year for verification of the Gross Fixed Assets so as to collect the balance of consent fee, if any.
16. In case of revision of consent fee by the Government, the unit shall remit the difference in consent fee amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.
17. The unit shall not use "use and throw away plastics" such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and pockets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises during the construction phase. Instead, the unit shall encourage use of eco-friendly alternatives such banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.,
18. The unit shall comply with the provisions of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended.
19. The unit shall obtain the license from Directorate of Industrial Safety and Health within three months.
20. The unit shall ensure to have onsite and offsite emergency plan and the unit shall conduct a mock drill of the onsite emergency plan every six months
21. The unit shall prepare and submit risk analysis and risk assessment study report within a month's time.

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**

## GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in production quantity and emission.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished, in the application will also be ground for review/variation/revocation of the Consent Order under Section 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
9. The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
11. In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.
12. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
15. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
17. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
18. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

Category of the Industry :

RED



**CONSENT ORDER NO. 2305152368846 DATED: 26/10/2023.**

**PROCEEDINGS NO.T1/TNPCB/F.1602TVM/RL/TVM/W/2023 DATED: 26/10/2023**

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**SUB:** Tamil Nadu Pollution Control Board –CONSENT TO OPERATE – DIRECT -M/s. GRASIM INDUSTRIES LIMITED (PHASE-1) , S.F.No. Plot.No.A3/1 & A4/2, MAHAJANAMBAKKAM village Cheyyar Taluk and Tiruvannamalai District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg.

**Ref:** 5. CTE PROCEEDINGS NO.T4/TNPCB/F.1602TVM/RL//TVM/W&A/2022 DATED: 27/06/2022  
6. Unit's Application No. 52368846 dated: 21-09-2023  
7. DEE's IR.No : F.1602TVM/RL/AE/TVM/2023 dated 03/10/2023  
8. Approved minutes of CCC vide Item no 314-2 dated: 18.10.2023

CONSENT TO OPERATE is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to

The Director  
M/s. GRASIM INDUSTRIES LIMITED (PHASE-1)  
S.F.No. Plot.No.A3/1 & A4/2  
MAHAJANAMBAKKAM Village  
Cheyyar Taluk  
Tiruvannamalai District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2028**

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

To  
The Director,  
M/s.GRASIM INDUSTRIES LIMITED (PHASE-1),  
Birlagram, Nagda , Ujjain District, Madhya Pradesh, India.  
Pin: 456331

Copy to:

1. The Commissioner, ANAKKAVUR-Panchayat Union, Cheyyar Taluk, Tiruvannamalai District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THIRUVANNAMALAI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.
4. File

**SPECIAL CONDITIONS**

1. This consent to operate is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	Water Based Paints(Including Distemper & Colorants)	300000	KL Per Annum
<b>Intermediate Product Details</b>			
1.	Emulsion	150000	KL Per Annum

2. This consent to operate is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
<b>Effluent Type : Sewage</b>			
1.	Treated Sewage	25.0	On land for gardening
<b>Effluent Type : Trade Effluent</b>			
1.	Treated Trade Effluent-1(ROPermeate+MEECondsate)	99.0	Recycling to Process & Utilities
2.	Treated Trade Effluent-2(MEE Concentrate)	1.0	For Evaporation to Salts

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos				
			Sewage		Trade Effluent		
			1	2	1	2	
1.	pH		5.5 to 9		5.5 to 9	5.5 to 9	
2.	Temperature	oC	-		shall not exceed 5°C above the receiving water temperature	shall not exceed 5°C above the receiving water temperature	
3.	Particle size of Suspended solids	-	-		shall pass 850 micron IS sieve	shall pass 850 micron IS sieve	
4.	Total Suspended Solids	mg/l	30		100	100	
5.	Total Dissolved solids (inorganic)	mg/l	-		2100	2100	
6.	Oil & Grease	mg/l	-		10	10	
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20		30	30	
8.	Chemical Oxygen Demand	mg/l	-		250	250	
9.	Chloride (as Cl)	mg/l	-		1000	1000	
10.	Sulphates (as SO4)	mg/l	-		1000	1000	
11.	Total Residual Chlorine	mg/l	-		1	1	
12.	Ammonical Nitrogen (as N)	mg/l	-		50	50	
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-		100	100	
14.	Free Ammonia (as NH3)	mg/l	-		5	5	
15.	Arsenic (as As)	mg/l	-		0.2	0.2	
16.	Mercury (as Hg)	mg/l	-		0.01	0.01	
17.	Lead (as Pb)	mg/l	-		0.1	0.1	
18.	Cadmium(as Cd)	mg/l	-		2	2	
19.	Hexavalent Chromium (as Cr+6)	mg/l	-		0.1	0.1	
20.	Total Chromium (as Cr)	mg/l	-		2	2	
21.	Copper (as Cu)	mg/l	-		3	3	
22.	Zinc (as Zn)	mg/l	-		1	1	
23.	Selenium (as Se)	mg/l	-		0.05	0.05	
24.	Nickel (as Ni)	mg/l	-		3	3	
25.	Boron (as B)	mg/l	-		2	2	
26.	Percent Sodium	%	-		-	-	
27.	Residual Sodium Carbonate	mg/l	-		-	-	
28.	Cyanide (as CN)	mg/l	-		0.2	0.2	
29.	Fluoride (as F)	mg/l	-		2	2	
30.	Dissolved Phosphates(as P)	mg/l	-		5	5	
31.	Sulphide (as S)	mg/l	-		2	2	
32.	Pesticides	mg/l	-				
33.	Phenolic Compounds (as C6H5OH)	mg/l	-		1	1	
34.	Radioactive materials a) Alpha emitters	micro curie/ml	-		10-7	10-7	

35.	Radioactive materials b). Beta emitters	micro curie/ml	-		10-6	10-6	
36.	Fecal Coliform	MPN/100ml	-		-	-	

4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in SI No.3 above or to achieve the zero liquid discharge of effluent as applicable.
5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
  - a. Industrial Cooling, Spraying in mine pits or boiler feed,
  - b. Domestic purpose.
  - c. Process.
6. The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.
7. Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the readings of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board officials during inspection.
8. The occupier shall at his own cost get the samples of effluent/surface water/ground water collected in and around the unit by Board officials and analyzed by the TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased effluent discharge and result in violation of the standards mentioned in SI. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
10. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
13. The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
  - i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.
  - ii) The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate/Evaporator condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.
  - iii) The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable or shall be disposed off as ETP sludge.
  - iv) In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary/Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
  - v) The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.

**Special Additional Conditions:**

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize "Mission LIFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LIFE" action points and document the same and furnish half yearly report to Board.



**Additional Conditions:**

1. The unit shall effectively operate and maintain the Sewage Treatment Plant provided for treatment of domestic sewage so as to achieve the standards prescribed by the Board consistently at all times.
2. The unit shall utilize the treated sewage for gardening purposes within the premises without any stagnation/ponding at any time.
3. The unit shall effectively operate and maintain the Effluent Treatment Plant provided for the treatment of trade effluent from process plants & utilities so as to achieve the standards prescribed by the Board consistently at all times.
4. The unit shall ensure to utilize the treated effluent completely by recycling back to the processes & utilities in the plants, as required without disposal of treated/untreated effluent outside the premises at any point of time.
5. The unit shall install the Online Continuous Effluent Monitoring system (OCEMS) with sensors to monitor BOD, COD, TSS, pH and EMFMs for inlet and outlet of the Treatment Plants (STP & ETP) within one month time from the issue of this consent order. The unit shall ascertain that the manufacturer of the OCEMS is having valid certificate from the Department of Weights and Measures and their manufacturing unit/factory has valid consent of the Board.
6. The unit shall evaporate the Reverse Osmosis (RO) rejects in the 3-stage Multiple Effect Evaporator with its final concentrates treated in the ATFD, as provided.
7. The unit shall not commence operation for the manufacture of any other product other than listed in this CTO Phase-I consent order without obtaining prior Consent orders of the Board.
8. The unit shall apply for and obtain Authorization under Hazardous and Other Wastes (Management and Transboundary) Rules, 2016 as amended within one month from the issue of this Consent order.
9. The unit shall strictly comply with all the provisions of Hazardous and Other Wastes (Management and Transboundary) Rules, 2016 as amended.
10. The unit shall operate & maintain the rainwater harvesting facility within the premises for the recharge of ground water and ensure that roof rainwater run-off collected from the covered roof of the buildings etc., shall be scientifically harvested so as to ensure maximum beneficiation of Rainwater Harvesting.
11. The unit shall obtain other permissions from the competent authorities whatever it is necessary for operation of the unit.
12. The operation of the unit shall not invite any complaints.
13. The unit shall maintain good housekeeping practices within the premises.
14. The unit shall remit the consent fee arrears, if any as and when demanded from the Board.
15. The unit shall furnish the audited Balance Sheet every year for verification of the Gross Fixed Assets so as to collect the balance of consent fee, if any.
16. In case of revision of consent fee by the Government, the unit shall remit the difference in consent fee amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.
17. The unit shall not use "use and throw away plastics" such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises during the construction phase. Instead, the unit shall encourage use of eco-friendly alternatives such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.,
18. The unit shall obtain the license from Directorate of Industrial Safety and Health within three months.
19. The unit shall comply with the provisions of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended.
20. The unit shall ensure to have onsite and offsite emergency plan and the unit shall conduct a mock drill of the onsite emergency plan every six months
21. The unit shall prepare and submit risk analysis and risk assessment study report within a month's time.

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



## GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage/Trade effluent.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation/revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.
7. The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
9. The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
14. The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.
15. The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable).
16. The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly.
  - a) Monthly water consumption returns of each of the purposes with water meter readings in Form-I on or before 5th of every month.
  - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
  - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
17. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
18. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

20. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
22. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
23. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

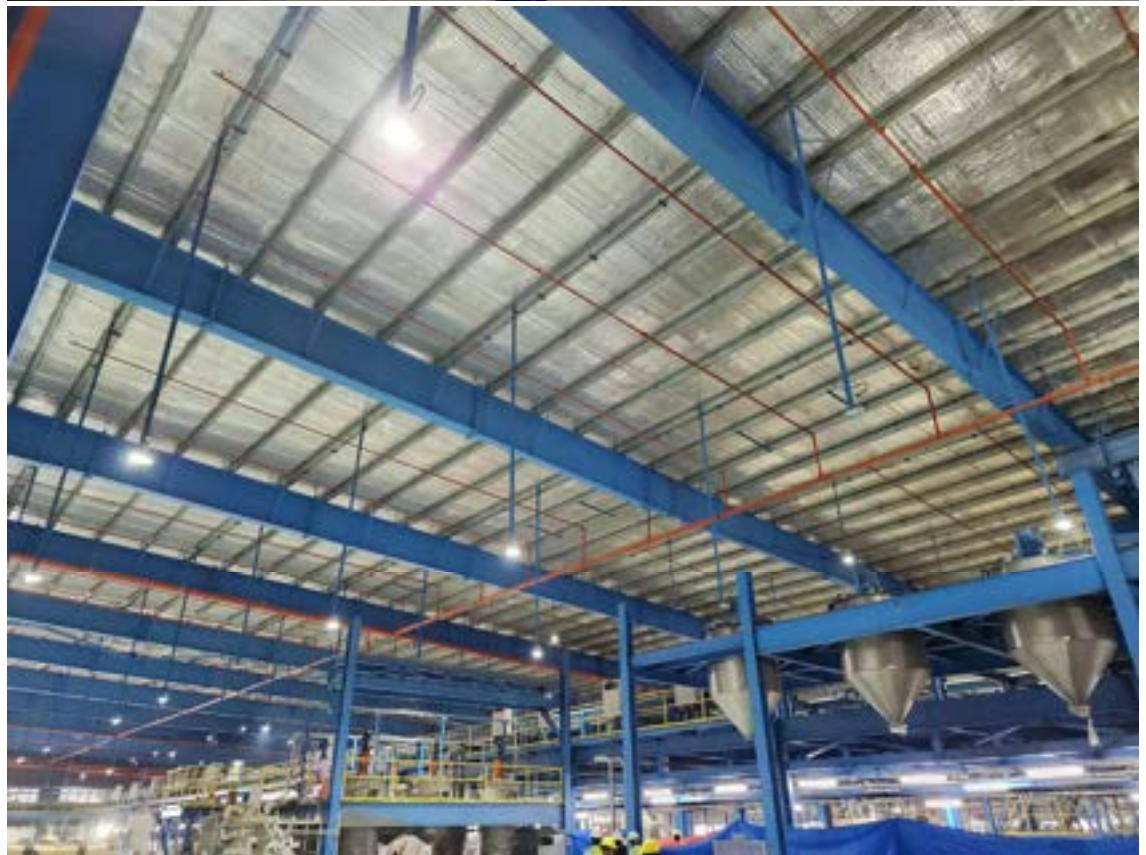
**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**



## Annexure 7

### Fire Hydrant System installation image





## Annexure-8

### Groundwater Monitoring report in & around the project site



#### TAMILNADU POLLUTION CONTROL BOARD

From Dr.P. Kamaraj M.Tech., Ph.D., District Environmental Engineer Tamil Nadu Pollution Control Board District Collectorate Master Plan Complex, Vengidikal, Tiruvannamalai - 606 604	To The Director, M/s. Grasim Industries Ltd., S.F. No.Plot.No. A3/1 & A4/2, Mahajanambaikkam Village, Cheriyar Taluk, Tiruvannamalai District - 631701.
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Lr. No. :F.No.TVM1300/RL/DEE/TNPCB/TVM/ROA-Report/2023 dated 25/05/2023

Sir,

Sub: TNPCB - O/o DEE, Tiruvannamalai - Industries - Analysis of Open Well Water Samples - Analytical Report - furnished - Reg.

From the payment made by the unit for **Rs.34550/-** Vide this office Cash Receipt No. **155640** dated:**19.04.2023** towards the analysis charges. The report of analysis for the Open Well Water Samples collected from your industry is furnished below.

Sl. No.	Date of Sample Collection	Code No.	Whether Treated / untreated	Point of Collection	Parameters exceeding the limits.
1.	28.12.2022	1615	Drinking Water	Open Well Water	Nil
2.	28.12.2022	1616	Drinking Water	Eri Water	Nil
3.	28.12.2022	1617	Drinking Water	Open Well Water	Nil
4.	28.12.2022	1618	Drinking Water	Bore Well	Nil
5.	28.12.2022	1619	Drinking Water	Open Well Water	Nil

Hence, you are requested to operate the existing ETP continuously and efficiently so as to satisfy the Board standards.

The receipt of this letter shall be acknowledged.

Encl. As above.

  
District Environmental Engineer,  
Tamilnadu Pollution Control Board,  
Tiruvannamalai.



ROA of: M/s



## Tamilnadu Pollution Control Board

Advanced Environmental Laboratory - Vellore  
[ email - aevel@tnpcb.gov.in ]

Report No : W / 03718/11 / AEL / VLR / 2022 - 23 / 09.02.2023

1	Sample sent by	:	DEE, TNPCB,	Tiruvannamalai
2	Sample collected by	:	R. Sugashini, AE	
3	Date & time of collection	:	28.12.2022 @ 16.45	Hrs
4	Date & time of sample receipt	:	29.12.2022 @ 10.00	Hrs
5	Details of samples received	:	One number of	Open well water
6	Point of collection & sample nature	:		

a	TVM-SS1221	Open well water	Open well water
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### REPORT OF ANALYSIS

Sl No	Parameter	code no.	TVM-SS1221	
				1619
1	pH	number		7.2
2	TSS	mg/L		8
3	TDS	mg/L		520
4	Chloride	mg/L		43
5	Sulphate	mg/L		35
6	BOD	mg/L		<2.0*
7	COD	mg/L		8
8	Total Hardness	mg/L		184
9	Calcium Hardness	mg/L		136
10	Magnesium Hardness	mg/L		48
11	Sodium	mg/L		-----
12	Potassium	mg/L		-----
13	Nitrate	mg/L		<1.0*
14	Fluoride	mg/L		<1.0**
15	Boron	mg/L		<0.002*
16	Iron	mg/L		<0.05*
17	Alkalinity	mg/L		210

Note \* Below detectable limit

\*\* Value could not be ascertained

Rs 6910

U  
12/2  
DCSO

Deputy Chief Scientific Officer  
Advanced Environmental Laboratory  
TNPCB, Vellore

RQA of: M/s



**Tamilnadu Pollution Control Board**  
Advanced Environmental Laboratory - Vellore  
[email - aeivr@tnpcb.gov.in]

Report No : W / 03718/10 / AEL / VLR / 2022 - 23 / 09.02.2023

- 1 Sample sent by : DEE, TNPCB, Tiruvannamalai
- 2 Sample collected by : R. Sugashini, AE
- 3 Date & time of collection : 28.12.2022 @ 16.30 Hrs
- 4 Date & time of sample receipt : 29.12.2022 @ 10.00 Hrs
- 5 Details of samples received : One number of Bore well
- 6 Point of collection & sample nature :

a	TVM-SS1220	Bore well	Bore well
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**REPORT OF ANALYSIS**

Sl No	Parameter	code no :	TVM-SS1220	
				1618
1	pH	number		7.5
2	TSS	mg/L		8
3	TDS	mg/L		1558
4	Chloride	mg/L		182
5	Sulphate	mg/L		124
6	BOD	mg/L		<2.0*
7	COD	mg/L		8
8	Total Hardness	mg/L		386
9	Calcium Hardness	mg/L		286
10	Magnesium Hardness	mg/L		100
11	Sodium	mg/L		-----
12	Potassium	mg/L		-----
13	Nitrate	mg/L		<1.0*
14	Fluoride	mg/L		<1.0*
15	Boron	mg/L		<0.002*
16	Iron	mg/L		<0.05*
17	Alkalinity	mg/L		640

Note \* Below detectable limit

\*\* Value could not be ascertained

Rs 6910

DCSO

Deputy Chief Scientific Officer  
Advanced Environmental Laboratory  
TNPCB, Vellore

RQA of : M/s



## Tamilnadu Pollution Control Board

Advanced Environmental Laboratory - Vellore

[ email - aevelr@tnpcb.gov.in ]

Report No : W / 03718/9 / AEL / VLR / 2022 - 23 / 09.02.2023

- 1 Sample sent by : DEE, TNPCB, Tiruvannamalai
- 2 Sample collected by : R. Sugashini, AE
- 3 Date & time of collection : 28.12.2022 @ 16.15 Hrs
- 4 Date & time of sample receipt : 29.12.2022 @ 10.00 Hrs
- 5 Details of samples received : One number of Open well water
- 6 Point of collection & sample nature :

a	TVM-SS1219	Open well water	Open well water
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### REPORT OF ANALYSIS


Sl No	Parameter	units	TVM-SS1219	
			code no.	value
1	pH	number		7.6
2	TSS	mg/L		8
3	TDS	mg/L		788
4	Chloride	mg/L		35
5	Sulphate	mg/L		26
6	BOD	mg/L		<2.0*
7	COD	mg/L		8
8	Total Hardness	mg/L		300
9	Calcium Hardness	mg/L		200
10	Magnesium Hardness	mg/L		100
11	Sodium	mg/L		-----
12	Potassium	mg/L		-----
13	Nitrate	mg/L		<1.0*
14	Fluoride	mg/L		<1.0*
15	Boron	mg/L		<0.002*
16	Iron	mg/L		<0.05*
17	Alkalinity	mg/L		290

Note \* Below detectable limit

\*\* Value could not be ascertained

Rs 6910

DCSO

  
Deputy Chief Scientific Officer  
Advanced Environmental Laboratory  
TNPCB, Vellore

ROA of: M/s



**Tamilnadu Pollution Control Board**  
Advanced Environmental Laboratory – Vellore  
[ email - aelvr@tnpcb.gov.in ]

Report No : W / 03718/8 / AEL / VLR / 2022 - 23 / 09.02.2023

- 1 Sample sent by : DEE, TNPCB, Tiruvannamalai
- 2 Sample collected by : R. Sugashini, AE
- 3 Date & time of collection : 28.12.2022 @ 15.55 Hrs
- 4 Date & time of sample receipt : 29.12.2022 @ 10.00 Hrs
- 5 Details of samples received : One number of Eri water
- 6 Point of collection & sample nature :

a	TVM-SS1218	Eri	Eri water
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**REPORT OF ANALYSIS**

Sl No	Parameter	code no:	TVM-SS1218	
				1616
1	pH	number		8
2	TSS	mg/L		8
3	TDS	mg/L		312
4	Chloride	mg/L		43
5	Sulphate	mg/L		30
6	BOD	mg/L		<2.0*
7	COD	mg/L		8
8	Total Hardness	mg/L		126
9	Calcium Hardness	mg/L		82
10	Magnesium Hardness	mg/L		44
11	Sodium	mg/L		-----
12	Potassium	mg/L		-----
13	Nitrate	mg/L		<1.0*
14	Fluoride	mg/L		<1.0*
15	Boron	mg/L		<0.002*
16	Iron	mg/L		<0.05*
17	Alkalinity	mg/L		175

Note \* Below detectable limit

\*\* Value could not be ascertained

Rs 6910

DCSO

Deputy Chief Scientific Officer  
Advanced Environmental Laboratory  
TNPCB, Vellore

RDA of: M/s



## Tamilnadu Pollution Control Board

Advanced Environmental Laboratory – Vellore

[ email - aelvr@tnpcb.gov.in ]

Report No : W / 03718/7 / AEL / VLR / 2022 - 23 / 09 . 02 . 2023

- 1 Sample sent by : DEE , TNPCB , Tiruvannamalai
- 2 Sample collected by : R. Sugashini, AE
- 3 Date & time of collection : 28 . 12 . 2022 @ 14.45 Hrs
- 4 Date & time of sample receipt : 29 . 12 . 2022 @ 10.00 Hrs
- 5 Details of samples received : One number of Open well water
- 6 Point of collection & sample nature :

a	TVM-SS1217	Open well water	Open well water
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### REPORT OF ANALYSIS

Sl No	Parameter	code no :	TVM-SS1217	
				1615
1	pH	number		7.4
2	TSS	mg /L		10
3	TDS	mg /L		822
4	Chloride	mg /L		52
5	Sulphate	mg /L		43
6	BOD	mg /L		<2.0*
7	COD	mg /L		8
8	Total Hardness	mg /L		364
9	Calcium Hardness	mg /L		276
10	Magnesium Hardness	mg /L		88
11	Sodium	mg /L		-----
12	Potassium	mg /L		-----
13	Nitrate	mg /L		<1.0*
14	Fluoride	mg /L		<1.0*
15	Boron	mg /L		<0.002*
16	Iron	mg /L		<0.05*
17	Alkalinity	mg /L		300

Note \* Below detectable limit

\*\* Value could not be ascertained

Rs 6910

DCSO

Deputy Chief Scientific Officer  
Advanced Environmental Laboratory  
TNPCB , Vellore

Annexure-9

AAQ Survey report (104 samples)



# Eco Care Engineering Pvt. Ltd.

Plot No. 2, Door No. 11, 6th Street, Jai Nagar, Arumbakkam, Chennai - 600 106

E-mail : lab@ecocareenggprivltd.in Website : www.ecocareenggprivltd.in

Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To

M/s. Grassim Industries Limited,  
Plot No: A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahajirambakkam Village,  
Chennai-74, T. S. S. V. Road,  
Tamil Nadu - 601701.

Report No: ECE 2302078

Discipline : Chemical Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : Near RAW Material Godown(Center)  
Sample ID : 2304055.4  
Customers Reference : WO NO-400000371 Dated 02.09.2022  
Sampled by : Eco Care Engineering  
Environmental Condition: Temp 30.3°C Humidity 62.8%  
Wind Direction : Northwest  
Wind Speed : 5 Km/hr

Report date : 27.04.2023  
Received on : 24.04.2023  
Commenced on : 24.04.2023  
Completed on : 27.04.2023  
Sampling Date : 24.04.2023  
Sampling Plan : ECE/SOP/Amb/01  
Sample Received Condition: Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2) 2001 (RA:2017)	µg/m <sup>3</sup>	25.4	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6) 2006 (RA:2017)	µg/m <sup>3</sup>	16.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23) 2006 (RA:2017)	µg/m <sup>3</sup>	72.7	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) 2019	µg/m <sup>3</sup>	20.2	60

BDL: Below Detection Limit, DL: Detection Limit, NAAQS - National Ambient Air Quality Standard.

Remarks : The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(36) Nov 2006 against the above listed parameters

*P. V. V.*  
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

*P. V. V.*  
P. Valthianathan-Technical Manager  
Authorized Signatory



Page 01 of 01

TERMS AND CONDITIONS:

- The test results furnished are related only to the particular sample submitted
- The test report shall not be furnished again without proper written intimation
- Any complaints about the report should be intimated within 7 days through mail
- Intimation does not come under the scope of NABL accreditation
- Third parties subcontracted to NABL accredited Laboratory
- All the tested samples shall not be retained for more than 10 days from the date of issue of test report unless it is required by the applicable regulations



# Eco Care Engineering Pvt. Ltd.

Plot No. 2, Door No. 11, 8th Street, Jai Nagar, Arumbakkam, Chennai - 600 106

E-mail : lab@ecocareenggprivtd.in Website : www.ecocareenggprivtd.in

Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To:

**M/s. Grasim Industries Limited,**  
Plot No. A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Maheswarambakkam Village,  
Cheyyor Tk, Tiruvannamalai Dt,  
Tamil Nadu - 631701.

Report No: ECE 2302077

Discipline : Chemical Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : RM Truck Parking Backside(W)  
Sample ID : 2304055.3  
Customers Reference : WO NO 4900000371 Dated 02.08.2022  
Sampled by : Eco Care Engineering  
Environmental Condition : Temp 29.7°C Humidity 62.8%  
Wind Direction : South  
Wind Speed : 7 Km/hr

Report date : 27.04.2023  
Received on : 24.04.2023  
Commenced on : 24.04.2023  
Completed on : 27.04.2023  
Sampling Date : 24.04.2023  
Sampling Plan : ECE/SOP/Amb/01  
Sample Received Condition : Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2):2001 (RA:2017)	µg/m <sup>3</sup>	22.3	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6):2005 (RA:2017)	µg/m <sup>3</sup>	19.2	80
3	Particulate Matter PM 10	IS 5182 (Part-23):2006 (RA:2017)	µg/m <sup>3</sup>	60.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m <sup>3</sup>	27.2	60

BDL: Below Detection Limit. DL: Detection Limit. NAAQS - National Ambient Air Quality Standard.

Remarks: The above Sample complies as per NAAQS limit which is provided in the environmental protection rule (388) Nov 2009, against the above tested parameters

*P. Jeyaraj*  
Verified by:



End of Report

for Eco Care Engineering Pvt. Ltd.,

*P. Vathsanathan*  
P. Vathsanathan-Technical Manager  
Authorized signatory



Page 01 of 01

### TERMS AND CONDITIONS:

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# Eco Care Engineering Pvt. Ltd.

Plot No. 2, Door No. 11, 8th Street, Jai Nagar, Arumbakkam, Chennai - 600 106.

E-mail : lab@ecocareenggprivtd.in Website : www.ecocareenggprivtd.in

Ph : 044 2363 5885 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To:

M/s. Grasim Industries Limited,  
Plot No. A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahajanaikkam Village,  
Cheyyar Tk, Tiruvannamalai Dt,  
Tamil Nadu - 631701

Report No: ECE 2302076

Discipline : Chemical Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : Blaching Plant Backside(S)  
Sample ID : 2304055.2  
Customers Reference : WO NO 4900000371 Dated 02.09.2022  
Sampled by : Eco Care Engineering  
Environmental Condition: Temp 29.6°C Humidity 63.2%  
Wind Direction : South  
Wind Speed : 6 Km/hr.

Report date : 27.04.2023  
Received on : 24.04.2023  
Commenced on : 24.04.2023  
Completed on : 27.04.2023  
Sampling Date : 24.04.2023  
Sampling Plan : ECE/SOP/Amb/01  
Sample Received Condition: Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2):2001 (RA:2017)	ug/m <sup>3</sup>	26.1	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6):2006 (RA:2017)	ug/m <sup>3</sup>	20.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	ug/m <sup>3</sup>	68.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	ug/m <sup>3</sup>	28.7	60

BDL: Below Detection Limit, DL: Detection Limit, NAAQS - National Ambient Air Quality Standard

Remarks: The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(3)(i) Nov.2009, against the above tested parameters

Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaidyanathan - Technical Manager  
Authorized Signatory

Page 01 of 01

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Ph : 044 2363 5885 CIN : U90002TN2007PTC065204



## TEST REPORT

### Issued To

M/s. Grasim Industries Limited,  
Plot No. A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahaganambakkam Village,  
Cheyyar Tk. Tiruvannamalai Dt,  
Tamil Nadu - 631701.

### Report No: ECE 2302075

Discipline : Chemical Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : Opposite Admin Near By Road(NE)  
Sample ID : 2304055.1  
Customers Reference : W/O NO 400000371 Dated 02.09.2022  
Sampled by : Eco Care Engineering  
Environmental Condition : Temp 29.2°C Humidity 63.5%  
Wind Direction : South  
Wind Speed : 4 Km/hr.

Report date : 27.04.2023  
Received on : 24.04.2023  
Commenced on : 24.04.2023  
Completed on : 27.04.2023  
Sampling Date : 24.04.2023  
Sampling Plan : ECE/SOP/Amb/01  
Sample Received Condition : Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2):2001 (RA:2017)	µg/m <sup>3</sup>	25.2	80
2	Oxide of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6):2006 (RA:2017)	µg/m <sup>3</sup>	21.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m <sup>3</sup>	70.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m <sup>3</sup>	29.1	60

BDL: Below Detection Limit; DL: Detection Limit; NAAQS - National Ambient Air Quality Standard.

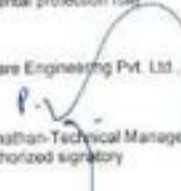
Remarks : The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(2B) Nov 2009, against the above tested parameters.

  
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

  
P. Vaidyanathan-Technical Manager  
Authorized signatory



Page 01 of 01

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E-mail : lab@ecocareenggprivtltd.in Website : www.ecocareenggprivtltd.in

Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To:

**M/s. Grassim Industries Limited,**  
Plot No: A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahajambakkam Village,  
Cheyyar Tk. Tiruvannamalai Dt.  
Tamil Nadu - 631701

### Report No: ECE 2301865

Discipline: Chemical      Group: Atmospheric Pollution  
Sample Description: Ambient Air Quality Monitoring  
Sampling Location: Batching Plant Backside(S)  
Sample ID: 2304027.2  
Customers Reference: IVO NO 4900000371 Dated 02.09.2022  
Sampled by: Eco Care Engineering  
Environmental Condition: Temp 30.5°C Humidity 82.1%  
Wind Direction: Northwest  
Wind Speed: 6 Km/hr.

Report date: 13.04.2023  
Received on: 10.04.2023  
Commenced on: 10.04.2023  
Completed on: 13.04.2023  
Sampling Date: 10.04.2023  
Sampling Plan: ECE/SOP/Amb/01  
Sample Received Condition: Good  
Rain Fall: Nil  
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2) 2001 (RA.2017)	µg/m <sup>3</sup>	23.4	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6) 2006 (RA.2017)	µg/m <sup>3</sup>	18.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23) 2001 (RA.2017)	µg/m <sup>3</sup>	64.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) 2010	µg/m <sup>3</sup>	25.7	60

BDL: Below Detection Limit, DL: Detection Limit, NAAQS - National Ambient Air Quality Standard.

Remarks: The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(38) Nov.2009, against the above tested parameters

Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vairathanathan-Technical Manager  
Authorized signatory

Page 01 of 01

### TERMS AND CONDITIONS:

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# Eco Care Engineering Pvt. Ltd.

Plot No. 2, Door No. 11, 8th Street, Jai Nagar, Arumbakkam, Chennai - 600 106.

E-mail : lab@ecccareenggvtltd.in Website : www.ecccareenggvtltd.in

Ph : 044 2383 5886 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To:

**Mrs. Grasim Industries Limited,**  
Plot No. A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahajanaebakkam Village,  
Cheyyar Tk, Tiruvannamalai Dt,  
Tamil Nadu - 631701.

Report No: ECE 2301884

Discipline : Chemical Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : Opposite Admin Near By Road(NE)  
Sample ID : 2304027\_1  
Customers Reference : WD NO 4900000371 Dated 02.03.2022  
Sampled by : Eco Care Engineering  
Environmental Condition : Temp 30.2°C Humidity 62.7%  
Wind Direction : Northwest  
Wind Speed : 7 Km/hr.

Report date : 13.04.2023  
Received on : 10.04.2023  
Commenced on : 10.04.2023  
Completed on : 13.04.2023  
Sampling Date : 10.04.2023  
Sampling Plan : ECE/SOP/Amb/01  
Sample Received Condition : Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2) 2001 (RA 2017)	µg/m <sup>3</sup>	24.1	80
2	Oxide of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-B) 2005 (RA 2017)	µg/m <sup>3</sup>	19.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23) 2005 (RA 2017)	µg/m <sup>3</sup>	66.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) 2016	µg/m <sup>3</sup>	28.2	60

BDL: Below Detection Limit; DL: Detection Limit; NAAQS - National Ambient Air Quality Standard.

Remarks : The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(3B) Nov.2009 against the above tested parameters

*P. Vethanathan*  
Verified by:



End of Report

for Eco Care Engineering Pvt. Ltd.

*P. Vethanathan*  
P. Vethanathan-Technical Manager  
Authorized signatory

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E-mail : lab@ecocareenggprivltd.in Website : www.ecocareenggprivltd.in

Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To:

**M/s. Grasim Industries Limited,**  
Plot No: A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahajanaibakkam Village,  
Cheyyair Th, Tiruvannamalai Dt,  
Tamil Nadu - 631701

Report No: ECE 2301867

Discipline : Chemical      Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : Near RAW Material Godown(Center)  
Sample ID : 2304027.4  
Customers Reference : WO NO 480000371 Dated 02 06 2022  
Sampled by : Eco Care Engineering  
Environmental Condition : Temp 30.3°C Humidity 62.8%  
Wind Direction : Northwest  
Wind Speed : 8 Km/hr

Report date : 13.04.2023  
Received on : 10.04.2023  
Commenced on : 10.04.2023  
Completed on : 13.04.2023  
Sampling Date : 10.04.2023  
Sampling Plan: ECE/SOP/Amb/01  
Sample Received Condition: Good  
Rain Fall : Nil  
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part 2): 2001 (RA:2017)	µg/m <sup>3</sup>	22.7	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part 6): 2006 (RA:2017)	µg/m <sup>3</sup>	15.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23): 2006 (RA:2017)	µg/m <sup>3</sup>	88.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24): 2019	µg/m <sup>3</sup>	28.0	60

BDL: Below Detection Limit, DL: Detection Limit, NAAQS - National Ambient Air Quality Standards

Remarks : The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(38) Nov 2009 against the above tested parameters

Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Veithienathan - Technical Manager  
Authorized Signatory

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Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To

**M/s. Grasim Industries Limited,**  
Plot No: A-3-1 A-4-2, Phase 2,  
SIPCOY Industrial Complex,  
Maharambakkam Village,  
Cheyyar Tk, Tiruvannamalai Dt,  
Tamil Nadu - 631701

Report No: ECE 2301866

Discipline : Chemical      Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : RM Truck Parking Backside(W)  
Sample ID : 2304027.3  
Customers Reference : WO NO 490000371 Dated 02.09.2022  
Sampled by : Eco Care Engineering  
Environmental Condition : Temp 30.8°C Humidity 61.4%  
Wind Direction : Northwest  
Wind Speed : 5 Km/hr

Report date : 13.04.2023  
Received on : 10.04.2023  
Commenced on : 10.04.2023  
Completed on : 13.04.2023  
Sampling Date : 10.04.2023  
Sampling Plan : ECE/SOP/Ambu/01  
Sample Received Condition : Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2): 2001 (RA 2017)	µg/m <sup>3</sup>	25.1	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6): 2001 (RA 2017)	µg/m <sup>3</sup>	95.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23): 2006 (RA 2017)	µg/m <sup>3</sup>	66.6	100
4	Particulate Matter PM 2.5	IS 5182 (Part 24): 2019	µg/m <sup>3</sup>	23.8	80

BDL - Below Detection Limit; DL - Detection Limit; NAAQS - National Ambient Air Quality Standard.

Remarks: The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(3B) Nov 2009, against the above tested parameters

*P. V.*  
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

*P. V.*  
P. Vathianathan - Technical Manager  
Authorized signatory



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E-mail : lab@ecocareenggprivtd.in Website : www.ecocareenggprivtd.in

Ph : 044 2363 5856 CIN : U90002TN2007PTC065204



## TEST REPORT

Issued To

M/s. Grasim Industries Limited,  
Plot No. A-3-1 A-4-2, Phase 2,  
SIPCOT Industrial Complex,  
Mahajambakkam Village,  
Cheyyar Tk, Tiruvannamalai Dt,  
Tamil Nadu - 631701

Report No: ECE 2301777

Discipline : Chemical Group : Atmospheric Pollution  
Sample Description : Ambient Air Quality Monitoring  
Sampling Location : Near RAW Material Godown(Center)  
Sample ID : 2304012.4  
Customers Reference : WO NO 4900000371 Dated 02.09.2022  
Sampled by : Eco Care Engineering  
Environmental Condition : Temp 30.3°C Humidity 62.8%  
Wind Direction : North  
Wind Speed : 4 Km/hr.

Report date : 10.04.2023  
Received on : 05.04.2023  
Commenced on : 05.04.2023  
Completed on : 10.04.2023  
Sampling Date : 05.04.2023  
Sampling Plan : ECE/SOP/Wmb/01  
Sample Received Condition : Good  
Rain Fall : Nil  
Weather Condition : Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO <sub>2</sub>	IS 5182 (Part-2):2001 (RA,2017)	µgm <sup>3</sup>	23.8	80
2	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-4):2006 (RA,2017)	µgm <sup>3</sup>	18.2	80
3	Particulate Matter PM 10	IS 5182 (Part-23):2006 (RA,2017)	µgm <sup>3</sup>	70.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µgm <sup>3</sup>	27.6	60

BDL: Below Detection Limit; DL: Detection Limit; NAAQS - National Ambient Air Quality Standard

Remarks : The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(3B) Nov 2009 against the above tested parameters

P. V. K.  
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaidyanathan - Technical Manager  
Authorized signatory



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