



ENVIRONMENTAL CLEARANCE SIX MONTHLY COMPLIANCE REPORT

EC Identification No.	EC22B023TN110286
File No.	8560/2021
Project/Activity including Schedule No.	5(h) Integrated paint industry
Name of Project	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, Mahajanampakkam Village, Cheyyar Taluk, Tiruvannamalai District.
Name of Company/Organization	M/s. GRASIM INDUSTRIES LIMITED (BIRLA PAINTS DIVISION)
Project Location	Tamil Nadu

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.	Planned and started to develop a green belt at 35% of the total land area (38.74 acres) with local species specified in the EC/EIA.	Annexure-1 Green belt development work progress.
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	Shall be implemented and same will be complied. Presently ETP & STP Construction work is in under progress.	-
3	Necessary permission letter for supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB	Executed Agreement with SIPCOT for supplying of 1200 KLD raw water.	Annexure-2 Water supply agreement with SIPCOT
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. Now ETP Civil work is in under 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	Purchase order released to install wet scrubber for WPB and EB block.	-
7	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits	VOC monitoring shall be ensured on continuous basis 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, PESO NOC for storage of petroleum products and DTCP building 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	Will be complied.	
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.	Periodically we have been conducting fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst-case scenario. Mock drills have been conducted once in 6 months and plan of actions for identified gaps are reviewed periodically.	-
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	Periodical medical check up have been conducted with the help of Meenakshi medical college and hospital.	Annexure 3: Photos of periodical medical check up.
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.	First aid training has been imparted to all the employees, and health surveillance is carried out for all employees at frequent intervals.	Annexure 4: First Aid Training program copy
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	Planned to install online PH & TDS sensor at the point of exit of rainwater and connected to	-

	quality of water meets the standards set by TNPCB.	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	Annexure-5 CER Activities photos
19	Appendix-I - List of Native Trees Suggested for planting	Native species have been planted at site.	
SEIAA Conditions			
1	The proponent shall ensure that no treated or untreated trade effluent/sewage shall be discharged outside the premises under any circumstances	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.	Disaster management plan & On-Site Emergency plan shall be prepared and will be adhered	-
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.	Adhered.	-
4	The proponent shall ensure that all the activities of EMP shall be completed before obtaining CTO from TNPCB.	Will be Complied before obtaining the CTO.	-
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.	ETP / APC Measures will be provided as committed	-
7	Industry shall operate ETP, STP & APC measures and to provide appropriate monitoring mechanism to ensure continuous operation.	ETP/STP operation will be operated on continuous basis and appropriate monitoring shall be implemented	-
8	The proponent shall ensure the zero-liquid discharge.	ZLD Will be installed	-
9	The project proponent, their activities should not cause harm to the natural vegetation/water bodies and other natural resources.	Our factory 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.	ETP is constructed above 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.	OHC with male nurses & Doctors are available at construction site.	-
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.	All the Hazardous wastes generated will be disposed as per Hazardous waste (Management) Rules, 2016	-
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	OHC with male nurses & Doctors are available at construction site.	-
14	Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining consent from TNPCB	Executed Agreement with SIPCOT for supplying of 1200 KLD of raw water.	-

(A) Statutory compliance			
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.	CTE has been obtained from TNPCB and valid till March 31, 2029. (Air Act Consent Order No. 2201245689922 DATED: 27/06/2022 and Water act Order No.2201145689922 DATED: 27/06/2022)	Consent to Establishment (CTE) copy was submitted during December -2022 compliance status.
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	It is noted and will be complied.	-

	shall be as per the Motor Vehicle Act (MVA), 1989		
(B)	Air quality monitoring and preservation:		
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 these 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.	-
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 have been conducting as per the requirements within and outside the plant area.	Annexur-6: AAQM survey reports are enclosed
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 with	Ambient Air Quality Emission monitoring work is under progress as per the requirement	-
(C)	Water quality monitoring and preservation:		
1	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)	Online continuous monitoring of effluent shall be installed along with web camera facility.	-
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 for collection of storm water will be implemented. Process effluent will be conveyed 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 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 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	Will be Complied	-
(D)	Noise monitoring and prevention:		
1	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Will be provided	-
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	-
E)	Safety, Public hearing and Human health issues:		
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) shall be 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 shall be implemented as per TNFRS. Work is in under progress	Annexure-7: Fire Hydrant system installation work progress
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 employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Will be provided	-

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.	Labour colony is available with all facilities to stay for construction labours.	-
6	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Periodical medical check-up have been conducted with the help of Meenakshi medical college and hospital.	-
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)	Corporate Environment Responsibility:		
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.	CER activities are initiated and the photos are attached as annexure 5.	-
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) have environmental policy duly approve by the senior management and it is displayed at project site	Annexur-8 Environmental policy display is attached.
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.	Will be Complied	-

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	Annexure-9 EMP copy is attached
5	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Will be Complied	-
G)	Waste Management:		
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.	Will be Complied	-
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.	Will be Complied	-
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 clearing to reduce wastewater generation	Water meters shall be installed at appropriate locations and same will be monitored. Closed loop systems shall be installed to prevent leakages/spillages	-
	Air Environment		
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.	CEMS shall be installed 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).	For construction work activities, HSD is used as a fuel. Will explore alternate options for DG operation during operation phase.	-
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)	-
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 district forest officer/ranger.	-
9	Assessment of carrying capacity of transportation load on roads inside the industrial premises.	Will be done.	-
	Water Environment		
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).	Will be Complied	-
3	A detailed water harvesting plan may be submitted by the project proponent	Rainwater harvesting and recharging facilities proposed within the facility. Civil work is in under progress.	Annexure 10: Rainwater Harvesting civil work progress

4	Zero liquid discharge wherever techno - economically feasible. Land Environment	ZLD system shall be implemented	-
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)	-
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 high Calorific value will be sent for co-processing	-
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)	SPECIFIC CONDITIONS:		
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	Will be complied	-

	project and copy shall be submitted to the SEIAA-TN.		
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	Manifest systems shall be implemented as per HW authorizations	-
10	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.	Dedicated covered storage area shall be provided for HW storage	-
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.	Hazardous Waste generated as per 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	Will be complied	-

	Waste (Management & Handling) Rules 2016.		
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, 201 6.	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.	Annexure 11: Ground water test report.
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.	Will be established	-
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.	Will be complied	-
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.	-
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 facilities have been constructing at site.	-
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 proper disposal to avoid flooding around the premises.	Rainwater harvesting facilities have been constructing at site.	-
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 are allocated for disaster management.	-
31	The Project Proponent shall provide disinfection by UV system for the sewage	Will be implemented	-

	treatment plant for treating the sewage before applying on land for gardening.		
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 available in the field of OHS for ensuring the health standard of persons employed.	Will be complied	-
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	Rainwater harvesting facilities have been constructing at site.	-

	with Recharging pit in order to recover and reuse the rainwater during normal rains.		
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 shall 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.	Will be complied	-
I	General Conditions		
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 TNPCCB.	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.	Copy of advertisement in English & Tamil Newspaper was submitted on December-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	Shall be complied as per requirements	-

	to the public and put on the website of the company.		
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 ₂ and NO _x outside the premises at the appropriate place for the general public.	Complied	-
11	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Periodical medical check-up have been conducted with the help of Meenakshi medical college and hospital.	-
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.	Periodical medical check-up have been conducted with the help of Meenakshi medical college and hospital	-
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 shall be 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 the Regional Office of MoEF located at Chennai.	Noted	-
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	-

List of Annexures

ANNEXURE NO.	ANNEXURE DESCRIPTION
Annexure-1	Green belt development work progress
Annexure-2	Water Supply agreement with SIPCOT.
Annexure-3	Periodical Medical check-up photos
Annexure-4	First Aid Training Program photos
Annexure-5	CER Activities photos
Annexure-6	Ambient Air Quality Monitoring Report
Annexure-7	Fire Hydrant system installation work progress
Annexure-8	Environmental Policy display
Annexure-9	Environmental Management Plan (EMP)
Annexure-10	Rainwater Harvesting civil work progress photos
Annexure-11	Ground water monitoring test report copy.

Annexure-1

Green belt development work progress



Annexure-2

Water Supply Agreement with SIPCOT

Annexure-3

Periodical Medical Check-up photos



Annexure-4
First Aid Training Program



Annexure -5 CER Activities for the year 2022-23

Toilet for School Children



Strictly Confidential

3

Water Tank for Domestic Use



1000 LPH RO Plant For Village



Strictly Confidential

5

RO Plant Status



Street Lights and Minimast to the Village



Electronics Items for School



Electronics Items for School



Tutors appointed for school 3 nos



Handing over of Electronics Items to School



Strictly Confidential

11

Handing Over Ceremony at School



Strictly Confidential

12



ஐயா வணக்கம்,

மஹாஜனம்பாக்கம் ஊராட்சியில் கடந்த 21/01/2023 முதல் கீழ்க்கண்ட இட்டங்கள், கிராம மக்களின் தேவைகளை நிறைவேற்றும் வகையில் க்ராஸிம் இண்டஸ்ட்ரீஸ் லிமிடெட் நிறுவனத்தின் பொருநிறுவன சற்றுமூலம் பொதுப்பு நிதியின் மூலம் துவங்கப்பட்டு நடைபெற்று வருகிறது.

1. குடிநீர் சுத்திகரிப்பு மையம் மதிப்பீடு ரூபாய் 18.11 லட்சம்.
2. தெருவிளக்கு பொருத்ததல் 120W எண்ணிக்கையில் 50 மதிப்பீடு ரூபாய் 2.40 லட்சம்.
3. மினிமாஸ்ட் வீளக்கு அமைத்தல் மதிப்பீடு ரூபாய் 1.17 லட்சம்.

தற்போது மேற்கண்ட இட்டங்கள் தன்னிறைவு பெற்ற நிலையில் உள்ளதால் க்ராஸிம் இண்டஸ்ட்ரீஸ் லிமிடெட் நிறுவனம் மேற்கண்ட மூன்று இட்டங்களையும் மஹாஜனம்பாக்கம் ஊராட்சியிடம் ஒப்படைத்து தாங்கள் இந்த இட்டங்களை மக்களுக்காக எடுத்து நடத்த விரும்புகிறது.

எனவே ஊராட்சி மன்ற தலைவராகிய தாங்கள் தங்கள் ஊராட்சியிடம் இந்த மூன்று இட்டங்களையும் முழுவதும் ஒப்படைத்துவிடுகிறோம். மேலும் இத்திட்டங்களை சிறப்பாக செயல்படுத்த இதுவரையில் ஒத்துழைப்பு கொடுத்த ஊராட்சி நிர்வாகத்திற்கும், பொதுமக்களுக்கும் நன்றியை தெரிவித்து கொள்கிறோம்.

இப்படித்த
தேதி: 22/02/2023
Grasim Industries Limited
Cheyyar
631701

M. Anis
தலைவர்,
ஊராட்சி
மாண்புமிகு அலுவலர்
Grasim Industries Limited

Grasim Industries Limited
(Birla Paints Division)

Site Address : Plot No. A-3/1& A-4/2, Phase 2, SPCOT Industrial Complex, Mahajambakkam Village, Cheyyar Taluk,
The Palani District, Tamil Nadu - 631701. E-mail: grasim@grasim.co.in

Annexure- 6
AAQM Survey report (120 degree radius at four loaction)



Eco Care Engineering Pvt. Ltd.

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

E-mail : lab@ecocareenggprivtltd.in Website : www.ecocareenggprivtltd.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,
 Mahajanambakkam Village,
 Cheyyar Tk, Tiruvannamalai Dt,
 Tamil Nadu – 631701.

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 4900000371 Dated 02.09.2022
 Sampled by : Eco Care Engineering
 Environmental Condition: Temp 30.3°C Humidity 82.8%
 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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.4	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23): 2006 (RA:2017)	µg/m ³	72.7	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	29.2	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. Vaithianathan
 Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.,

P. Vaithianathan
 P.Vaithianathan-Technical Manager
 Authorized signatory



Page 01 of 01

TERMS AND CONDITIONS:

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- **Indicates subcontracted to NABL accredited Laboratory
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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar 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 490000371 Dated 02.09.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	22.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	19.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	69.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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 3(3B) Nov 2009, against the above tested parameters


Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.,


P. Vaithianathan - Technical Manager
Authorized signatory

Page 01 of 01

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Plot No. A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajambakkam Village,
Chéyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701

Report No: ECE 2302076

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2304055.2
Customers Reference : WO NO 490000371 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.

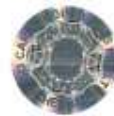
Report date : 27.04.2023
Received on : 24.04.2023
Commenced on : 24.04.2023
Completed on : 27.04.2023
Sampling Date : 24.04.2023
Sampling Plan: ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	26.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	68.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(SB) Nov.2009, against the above tested parameters

P. Veithianathan
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Veithianathan
P. Veithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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TEST REPORT

Issued To:

M/s. Grasim Industries Limited,
Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam 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 : WO NO 490000371 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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.2	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2005 (RA:2017)	µg/m ³	21.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	70.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(3B) Nov.2009,against the above tested parameters


Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.


P. Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



TEST REPORT

Issued To:

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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 : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition : Temp 30.5°C Humidity 62.1%
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 ₂	IS 5182 (Part-2) 2001 (RA:2017)	µg/m ³	23.4	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6) 2006 (RA:2017)	µg/m ³	18.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23) 2006 (RA:2017)	µg/m ³	64.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2010	µg/m ³	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(3B) Nov.2009, against the above tested parameters

Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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E-mail : lab@ecocareenggvtltd.in Website : www.ecocareenggvtltd.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,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301864

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 02.09 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 ₂	IS 5182 (Part-2) 2001 (RA 2017)	µg/m ³	24.1	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-B) 2006 (RA 2017)	µg/m ³	19.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23) 2006 (RA 2017)	µg/m ³	66.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) 2019	µg/m ³	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. Vaithianathan
Verified by:



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan-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. Grasim Industries Limited,
Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, 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 4900000371 Dated 02.09.2022
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 ₂	IS 5182 (Part-2) 2001 (RA.2017)	µg/m ³	22.7	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6) 2006 (RA.2017)	µg/m ³	15.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23) 2006 (RA.2017)	µg/m ³	68.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) .2019	µg/m ³	28.0	60.

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

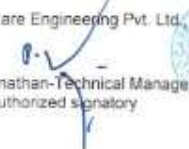
Remarks : The above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3(3B) Nov.2009,against the above tested parameters


Verified by *



End of Report

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P. Vaithianathan-Technical Manager
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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 4900000371 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/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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	66.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	23.8	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

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Mahajanambakkam 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/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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	23.6	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	70.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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. P. K.
Verified by



End of Report

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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301776

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2304012.3
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.1°C Humidity 63.3%
Wind Direction : North
Wind Speed : 7 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/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 ₂	IS 5182 (Part-2) 2001 (RA,2017)	µg/m ³	21.4	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6) 2006 (RA,2017)	µg/m ³	15.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA,2017)	µg/m ³	67.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	25.7	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


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Tamil Nadu - 631701.

Report No: ECE 2301775

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2304012.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition : Temp 29.6°C Humidity 63.7%
Wind Direction : North
Wind Speed : 5 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/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 ₂	IS 5182 (Part-2): 2001 (RA 2017)	µg/m ³	22.4	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6): 2006 (RA 2017)	µg/m ³	18.1	80
3	Particulate Matter PM 10	IS 5182 (Part 23): 2006 (RA:2017)	µg/m ³	66.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) : 2016	µg/m ³	27.8	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.
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. V.
P. V. Vaidyanathan-Technical Manager
Authorized signatory



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Cheyyar Tk. Tiruvannamalai Dt,
Tamil Nadu - 631701

Report No: ECE 2301774

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2304012.1
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.7°C Humidity 64.2%
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/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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	26.8	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-5):2006 (RA:2017)	µg/m ³	21.6	60
3	Particulate Matter PM 10	IS 5182 (Part 23):2008 (RA:2017)	µg/m ³	66.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24): 2019	µg/m ³	26.2	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

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End of Report

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P. Vaithianathan- Technical Manager
Authorized signatory



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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301447

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2303051.4
Customers Reference : WD NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.8°C Humidity 64.6%
Wind Direction : Southwest
Wind Speed : 6 Km/hr.

Report date : 15.03.2023
Received on : 11.03.2023
Commenced on : 11.03.2023
Completed on : 15.03.2023
Sampling Date : 11.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	19.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	75.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	29.2	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

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End of Report

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Tamil Nadu - 631701.

Report No: ECE 2301446

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2303051.3
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.5°C Humidity 65.7%
Wind Direction : Southwest
Wind Speed : 5 Km/hr.

Report date : 15.03.2023
Received on : 11.03.2023
Commenced on : 11.03.2023
Completed on : 15.03.2023
Sampling Date : 11.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	22.6	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	73.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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


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Eco Care Report

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Tamil Nadu - 631701.

Report No: ECE 2301445

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2303051.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.1°C Humidity 66.2%
Wind Direction : Southwest
Wind Speed : 7 Km/hr.

Report date : 15.03.2023
Received on : 11.03.2023
Commenced on : 11.03.2023
Completed on : 15.03.2023
Sampling Date : 11.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	20.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	70.7	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	28.3	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

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End of Report

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Tamil Nadu - 631701.

Report No: ECE 2301444

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2303051.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.8°C Humidity 65.5%
Wind Direction : Southwest
Wind Speed : 6 Km/hr.

Report date : 15.03.2023
Received on : 11.03.2023
Commenced on : 11.03.2023
Completed on : 15.03.2023
Sampling Date : 11.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	27.7	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	23.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2005 (RA:2017)	µg/m ³	72.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(3B) Nov 2009, against the above tested parameters


Verified by:



End of Report

for Eco Care Engineering Pvt. Ltd.,


P. Vaithianathan-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@ecocareenggprivtltd.in Website : www.ecocareenggprivtltd.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,
Mahajanambakkam Village,
Cheyyar TK, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301194

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2303009.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.8°C Humidity 65.1%
Wind Direction : South
Wind Speed : 5 Km/hr.

Report date : 08.03.2023
Received on : 03.03.2023
Commenced on : 03.03.2023
Completed on : 08.03.2023
Sampling Date : 03.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	19.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	15.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	88.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	25.3	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

PKM
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P.Vaithianathan-Technical Manager
Authorized signatory



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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301193

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2303009.1
Customers Reference : WD NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.6°C Humidity 65.7%
Wind Direction : South
Wind Speed : 4 Km/hr.

Report date : 08.03.2023
Received on : 03.03.2023
Commenced on : 03.03.2023
Completed on : 08.03.2023
Sampling Date : 03.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.7	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	70.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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 3(3B) Nov.2009,against the above tested parameters

P. Vaithianathan
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End of Report

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P. Vaithianathan-Technical Manager
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Mahajanambakkam Village,
Cheyyar Tk. Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301196

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2303009.4
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.3°C Humidity 63.2%
Wind Direction : South
Wind Speed : 8 Km/hr.

Report date : 08.03.2023
Received on : 03.03.2023
Commenced on : 03.03.2023
Completed on : 08.03.2023
Sampling Date : 03.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	23.7	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	71.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(3B) Nov.2009, against the above tested parameters

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P. Vaithianathan
P. Vaithianathan-Technical Manager
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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2301195

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2303009.3
Customers Reference : WD NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.2°C Humidity 64.8%
Wind Direction : South
Wind Speed : 4 Km/hr.

Report date : 06.03.2023
Received on : 03.03.2023
Commenced on : 03.03.2023
Completed on : 08.03.2023
Sampling Date : 03.03.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	20.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.8	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	69.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	26.4	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


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SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300808

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2302031.4
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.6°C Humidity 64.1%
Wind Direction : East
Wind Speed : 5 Km/hr.

Report date : 16.02.2023
Received on : 13.02.2023
Commenced on : 13.02.2023
Completed on : 16.02.2023
Sampling Date : 13.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.8	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	74.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	27.5	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


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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300807

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2302031.3
Customers Reference : WO NO 400000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.1°C Humidity 64.2%
Wind Direction : East
Wind Speed : 8 Km/hr.

Report date : 16.02.2023
Received on : 13.02.2023
Commenced on : 13.02.2023
Completed on : 16.02.2023
Sampling Date : 13.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	23.4	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	19.1	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	72.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24):-2019	µg/m ³	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(3B) Nov.2009 against the above tested parameters


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End of Report

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Plot No: A-3-1 A-4-2, Phase 2,
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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300806

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2302031.2
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.3°C Humidity 65.4%
Wind Direction : East
Wind Speed : 7 Km/hr.

Report date : 16.02.2023
Received on : 13.02.2023
Commenced on : 13.02.2023
Completed on : 16.02.2023
Sampling Date : 13.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	21.2	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.8	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	73.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	27.8	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


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TEST REPORT

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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300805

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(N/E)
Sample ID : 2302031.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.7°C Humidity 66.2%
Wind Direction : East
Wind Speed : 9 Km/hr.

Report date : 16.02.2023
Received on : 13.02.2023
Commenced on : 13.02.2023
Completed on : 16.02.2023
Sampling Date : 13.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	28.1	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	22.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	76.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	30.6	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. J. K.
Verified by.



End of Report

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Tamil Nadu – 631701.

Report No: ECE 2300640

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2302007.4
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.1°C Humidity 65.2%
Wind Direction : South
Wind Speed : 7 Km/hr.

Report date : 09.02.2023
Received on : 08.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	28.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	72.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	26.5	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


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Tamil Nadu - 631701.

Report No: ECE 2300639

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2302007.3
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.7°C Humidity 64.8%
Wind Direction : South
Wind Speed : 5 Km/hr.

Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.7	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	70.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	29.5	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. V.
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaitianathan-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@ecocareenggpltd.in Website : www.ecocareenggpltd.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,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300638

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2302007.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.2°C Humidity 63.1%
Wind Direction : South
Wind Speed : 8 Km/hr.

Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	23.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.1	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	71.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	26.6	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


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End of Report

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P. Vaithianathan-Technical Manager
Authorized signatory

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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300637

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2302007.1
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.8°C Humidity 64.3%
Wind Direction : South
Wind Speed : 7 Km/hr.

Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	27.4	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	73.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(38) Nov.2009, against the above tested parameters

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End of Report

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P.Vaithianathan-Technical Manager
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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar TK, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300639

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2302007.3
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.7°C Humidity 64.8%
Wind Direction : South
Wind Speed : 5 Km/hr.

Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	25.7	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	70.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	29.5	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(B) Nov.2009, against the above tested parameters

P. Vaithianathan
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan
P. Vaithianathan-Technical Manager
Authorized signatory



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TEST REPORT

Issued To:

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300638

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2302007.2
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.2°C Humidity 63.1%
Wind Direction : South
Wind Speed : 8 Km/hr.

Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	23.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.1	80
3	Particulate Matter PM 10	IS 5182 (Part 23): 2006 (RA:2017)	µg/m ³	71.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) -2019	µg/m ³	26.6	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. RK
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan-Technical Manager
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TEST REPORT

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SIPCOT Industrial Complex,
Mahajansambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300637

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2302007.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.8°C Humidity 64.3%
Wind Direction : South
Wind Speed : 7 Km/hr.

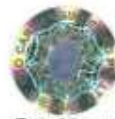
Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	27.4	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	73.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(38) Nov.2009, against the above tested parameters

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End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaidhyanathan-Technical Manager
Authorized signatory



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TEST REPORT

Issued To:

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tinuvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2300640

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2302007.4
Customers Reference : WD NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.1°C Humidity 65.2%
Wind Direction : South
Wind Speed : 7 Km/hr.

Report date : 09.02.2023
Received on : 06.02.2023
Commenced on : 06.02.2023
Completed on : 09.02.2023
Sampling Date : 06.02.2023
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	28.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	72.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	26.5	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. Vaithianathan
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.,

P. Vaithianathan
P. Vaithianathan-Technical Manager
Authorized signatory



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Plot No: A-3-1 A-4-2, Phase 2,
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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205718

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2212054.4
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.1°C Humidity 63.3%
Wind Direction : Northeast
Wind Speed : 8 Km/hr.

Report date : 24.12.2022
Received on : 20.12.2022
Commenced on : 20.12.2022
Completed on : 24.12.2022
Sampling Date : 19.12.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	28.8	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	78.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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

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End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan-Technical Manager
Authorized signatory



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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205717

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2212054.3
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.7°C Humidity 64.1%
Wind Direction : East
Wind Speed : 7 Km/hr.

Report date : 24.12.2022
Received on : 20.12.2022
Commenced on : 20.12.2022
Completed on : 24.12.2022
Sampling Date : 19.12.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	24.6	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	75.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	28.3	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


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End of Report

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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205716

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2212054.2
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.5°C Humidity 65.2%
Wind Direction : East
Wind Speed : 6 Km/hr.

Report date : 24.12.2022
Received on : 20.12.2022
Commenced on : 20.12.2022
Completed on : 24.12.2022
Sampling Date : 19.12.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	26.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	19.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	74.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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(3B) Nov.2009, against the above tested parameters


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P. Vaithianathan-Technical Manager
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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205715

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2212054.1
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.1°C Humidity 66.8%
Wind Direction : East
Wind Speed : 8 Km/hr.

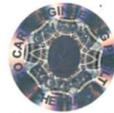
Report date : 24.12.2022
Received on : 20.12.2022
Commenced on : 20.12.2022
Completed on : 24.12.2022
Sampling Date : 19.12.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	27.5	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	22.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	80.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	31.6	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


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End of Report

for Eco Care Engineering Pvt. Ltd.,


P. Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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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@ecocareenggpltd.in Website : www.ecocareenggpltd.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,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205349

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2211062.4
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 31.3°C Humidity 62.7%
Wind Direction : Southeast
Wind Speed : 5 Km/hr.

Report date : 02.12.2022
Received on : 29.11.2022
Commenced on : 29.11.2022
Completed on : 02.12.2022
Sampling Date : 28.11.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	31.6	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	74.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	31.1	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(B) Nov.2009, against the above tested parameters


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Authorized signatory



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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205348

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : **2211062.3**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 31.4°C Humidity 63.5%
Wind Direction : Southwest
Wind Speed : 6 Km/hr.

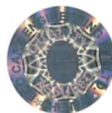
Report date : 02.12.2022
Received on : 29.11.2022
Commenced on : 29.11.2022
Completed on : 02.12.2022
Sampling Date : 28.11.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	27.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	15.8	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	78.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	30.1	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(3B) Nov.2009, against the above tested parameters


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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205347

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2211062.2
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 31.2°C Humidity 64.3%
Wind Direction : Southwest
Wind Speed : 5 Km/hr.

Report date : 02.12.2022
Received on : 29.11.2022
Commenced on : 29.11.2022
Completed on : 02.12.2022
Sampling Date : 28.11.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	30.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	79.7	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	32.6	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. Vaithianathan
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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205346

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : **2211062.1**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.8°C Humidity 65.2%
Wind Direction : Southwest
Wind Speed : 4 Km/hr.

Report date : 02.12.2022
Received on : 29.11.2022
Commenced on : 29.11.2022
Completed on : 02.12.2022
Sampling Date : 28.11.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	29.2	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.1	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	75.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	28.0	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. Vaithianathan
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TEST REPORT

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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205033

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : **2211019.4**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.8°C Humidity 68.7%
Wind Direction : Southeast
Wind Speed : 5 Km/hr.

Report date : 16.11.2022
Received on : 10.11.2022
Commenced on : 11.11.2022
Completed on : 16.11.2022
Sampling Date : 10.11.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	28.4	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	78.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	26.6	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(B) Nov.2009, against the above tested parameters


Verified by:



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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205032

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : **2211019.3**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.1°C Humidity 70.6%
Wind Direction : Southeast
Wind Speed : 8 Km/hr.

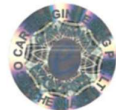
Report date : 16.11.2022
Received on : 10.11.2022
Commenced on : 11.11.2022
Completed on : 16.11.2022
Sampling Date : 10.11.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	29.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	74.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	27.0	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


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End of Report

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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
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Mahajanambakkam Village,
Cheyyar TK, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2205031

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2211019.2
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.6°C Humidity 69.8%
Wind Direction : Southeast
Wind Speed : 5 Km/hr.

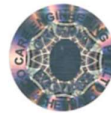
Report date : 16.11.2022
Received on : 10.11.2022
Commenced on : 11.11.2022
Completed on : 16.11.2022
Sampling Date : 10.11.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	32.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	14.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	84.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	34.2	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. Vaithianathan
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End of Report

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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2205030

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : **2211019.1**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.4°C Humidity 68.5%
Wind Direction : Southeast
Wind Speed : 6 Km/hr.

Report date : 16.11.2022
Received on : 10.11.2022
Commenced on : 11.11.2022
Completed on : 16.11.2022
Sampling Date : 10.11.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	28.3	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	15.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	79.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	33.7	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(3B) Nov.2009, against the above tested parameters

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End of Report

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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204780

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown(Center)
Sample ID : 2210051.4
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.0°C Humidity 71.5%
Wind Direction : Northeast
Wind Speed : 6 Km/hr.

Report date : 31.10.2022
Received on : 26.10.2022
Commenced on : 26.10.2022
Completed on : 31.10.2022
Sampling Date : 25.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	31.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	23.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	84.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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


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End of Report

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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@ecocareenggpltd.in Website : www.ecocareenggpltd.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,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204779

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : **2210051.3**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.3°C Humidity 74.1%
Wind Direction : Northeast
Wind Speed : 7 Km/hr.

Report date : 31.10.2022
Received on : 26.10.2022
Commenced on : 26.10.2022
Completed on : 31.10.2022
Sampling Date : 25.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	36.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.8	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	81.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	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


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End of Report

for Eco Care Engineering Pvt. Ltd.,


P.Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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Tamil Nadu – 631701.

Report No: ECE 2204778

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : **2210051.2**
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.5°C Humidity 74.3%
Wind Direction : Northeast
Wind Speed : 6 Km/hr.

Report date : 31.10.2022
Received on : 26.10.2022
Commenced on : 26.10.2022
Completed on : 31.10.2022
Sampling Date : 25.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	33.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	80.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	32.6	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. Vaithianathan
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P.Vaithianathan-Technical Manager
Authorized signatory



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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204777

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2210051.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.3°C Humidity 75.1%
Wind Direction : Northeast
Wind Speed : 4 Km/hr.

Report date : 31.10.2022
Received on : 26.10.2022
Commenced on : 26.10.2022
Completed on : 31.10.2022
Sampling Date : 25.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	32.1	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	13.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	75.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	31.7	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(3B) Nov.2009, against the above tested parameters

P. Vaithianathan
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.,

P. Vaithianathan
P. Vaithianathan-Technical Manager
Authorized signatory



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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204470

Discipline : Chemical	Group : Atmospheric Pollution	Report date : 14.10.2022
Sample Description : Ambient Air Quality Monitoring		Received on : 11.10.2022
Sampling Location : Near RAW Material Godown(Center)		Commenced on : 11.10.2022
Sample ID : 2210021.4		Completed on : 14.10.2022
Customers Reference : WO NO 4900000371 Dated 02.09.2022		Sampling Date : 10.10.2022
Sampled by : Eco Care Engineering		Sampling Plan : ECE/SOP/Amb/01
Environmental Condition: Temp 29.6°C Humidity 72.4%		Sample Received Condition: Good
Wind Direction : South		Rain Fall : Nil
Wind Speed : 8 Km/hr.		Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	34.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.2	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	91.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	31.6	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(B) Nov.2009, against the above tested parameters


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End of Report

for Eco Care Engineering Pvt. Ltd.


P. Vaithianathan - Technical Manager
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SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204469

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside(W)
Sample ID : 2210021.3
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.3°C Humidity 74.1%
Wind Direction : South
Wind Speed : 6 Km/hr.

Report date : 14.10.2022
Received on : 11.10.2022
Commenced on : 11.10.2022
Completed on : 14.10.2022
Sampling Date : 10.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	40.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	23.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	87.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	29.5	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. Vaithianathan
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Enclosed report

for Eco Care Engineering Pvt. Ltd.,

P. Vaithianathan
P. Vaithianathan-Technical Manager
Authorized signatory



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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204468

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2210021.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.8°C Humidity 73.9%
Wind Direction : South
Wind Speed : 7 Km/hr.

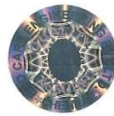
Report date : 14.10.2022
Received on : 11.10.2022
Commenced on : 11.10.2022
Completed on : 14.10.2022
Sampling Date : 10.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	38.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	20.5	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	84.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	32.6	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. Vaithianathan
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End of Report

for Eco Care Engineering Pvt. Ltd.,

P. Vaithianathan
P. Vaithianathan-Technical Manager
Authorized signatory



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Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204467

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2210021.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 29.1°C Humidity 74.7%
Wind Direction : South
Wind Speed : 7 Km/hr.

Report date : 14.10.2022
Received on : 11.10.2022
Commenced on : 11.10.2022
Completed on : 14.10.2022
Sampling Date : 10.10.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	36.5	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	79.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	30.4	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. Vaithianathan
Verified by/.



End of Report

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Tamil Nadu - 631701.

Report No: ECE 2204164

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near Raw Material Godown (Centre)
Sample ID : 2209039,4
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 31.8°C Humidity 65.6%
Wind Direction : East
Wind Speed : 6 Km/hr.

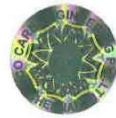
Report date : 26.09.2022
Received on : 22.09.2022
Commenced on : 22.09.2022
Completed on : 26.09.2022
Sampling Date : 22.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	38.5	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	16.1	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	98.5	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	33.0	60

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

Remarks : The above Sample is not complies as per NAAQS limit which is provided in the environmental protection rule 3(3B) Nov.2009, against the above tested parameters


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End of Report

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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2204163

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside (W)
Sample ID : 2209039.3
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.8°C Humidity 68.7%
Wind Direction : East
Wind Speed : 9 Km/hr.

Report date : 26.09.2022
Received on : 22.09.2022
Commenced on : 22.09.2022
Completed on : 26.09.2022
Sampling Date : 22.09.2022
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 ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	45.1	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	21.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	93.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	28.4	60

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

Remarks : The above Sample is not complies as per NAAQS limit which is provided in the environmental protection rule 3(B) Nov.2009, against the above tested parameters


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TEST REPORT

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Plot No: A-3-1 A-4-2, Phase 2,
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Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2204162

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2209039.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 31.1°C Humidity 65.3%
Wind Direction : East
Wind Speed : 9 Km/hr.

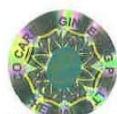
Report date : 26.09.2022
Received on : 22.09.2022
Commenced on : 22.09.2022
Completed on : 26.09.2022
Sampling Date : 22.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	41.7	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	22.6	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	91.4	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	36.9	60

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

Remarks : The above Sample is not complies as per NAAQS limit which is provided in the environmental protection rule 3(3B) Nov.2009,against the above tested parameters

P. Vaithianathan
Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan
P.Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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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@ecocareenggpltd.in Website : www.ecocareenggpltd.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,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2204161

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2209039.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 30.2°C Humidity 69.5%
Wind Direction : East
Wind Speed : 7 Km/hr.

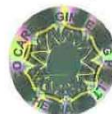
Report date : 26.09.2022
Received on : 22.09.2022
Commenced on : 22.09.2022
Completed on : 26.09.2022
Sampling Date : 22.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Clear Sky

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	39.9	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	19.7	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	83.1	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	32.1	60

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

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


Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.,


P. Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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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,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2203894

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Near RAW Material Godown (Centre)
Sample ID : 2209009.4
Customers Reference : WO NO 490000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.5°C Humidity 82.3%
Wind Direction : East
Wind Speed : 7 Km/hr.

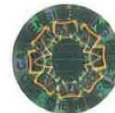
Report date : 13.09.2022
Received on : 08.09.2022
Commenced on : 09.09.2022
Completed on : 13.09.2022
Sampling Date : 08.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	44.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	11.8	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	81.3	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	31.6	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

Verified by 



End of Report

for Eco Care Engineering Pvt. Ltd.

P. Vaithianathan-Technical Manager
Authorized signatory



Page 01 of 01

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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,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar Tk, Tiruvannamalai Dt,
Tamil Nadu - 631701.

Report No: ECE 2203893

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : RM Truck Parking Backside (W)
Sample ID : 2209009.3
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.0°C Humidity 80.6%
Wind Direction : East
Wind Speed : 6 Km/hr.

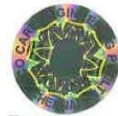
Report date : 13.09.2022
Received on : 08.09.2022
Commenced on : 09.09.2022
Completed on : 13.09.2022
Sampling Date : 08.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	49.7	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	17.3	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	76.2	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	30.7	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(3B) Nov.2009, against the above tested parameters


Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.,


P. Vaithianathan-Technical Manager
Authorized signatory



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Ph : 044 2363 5886 CIN : U90002TN2007PTC065204



TEST REPORT

Issued To:

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Plot No: A-3-1 A-4-2, Phase 2,
SIPCOT Industrial Complex,
Mahajanambakkam Village,
Cheyyar TK, Tiruvannamalai Dt,
Tamil Nadu – 631701.

Report No: ECE 2203892

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Batching Plant Backside(S)
Sample ID : 2209009.2
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.7°C Humidity 78.4%
Wind Direction : East
Wind Speed : 5 Km/hr.

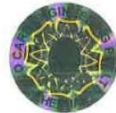
Report date : 13.09.2022
Received on : 08.09.2022
Commenced on : 09.09.2022
Completed on : 13.09.2022
Sampling Date : 08.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Unit	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	45.3	80
2	Oxides of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	18.9	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	85.8	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	33.5	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


Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.


P. Vaithianathan-Technical Manager
Authorized signatory



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Issued To:

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

Report No: ECE 2203891

Discipline : Chemical Group : Atmospheric Pollution
Sample Description : Ambient Air Quality Monitoring
Sampling Location : Opposite Admin Near By Road(NE)
Sample ID : 2209009.1
Customers Reference : WO NO 4900000371 Dated 02.09.2022
Sampled by : Eco Care Engineering
Environmental Condition: Temp 28.2°C Humidity 81.5%
Wind Direction : East
Wind Speed : 6 Km/hr.

Report date : 13.09.2022
Received on : 08.09.2022
Commenced on : 09.09.2022
Completed on : 13.09.2022
Sampling Date : 08.09.2022
Sampling Plan : ECE/SOP/Amb/01
Sample Received Condition: Good
Rain Fall : Nil
Weather Condition: Fog

Sl. No	Test Parameters	Test Methods	Units	Results	Desirable Limits (NAAQS)
1	Sulphur Dioxide as SO ₂	IS 5182 (Part-2):2001 (RA:2017)	µg/m ³	43.8	80
2	Oxide of Nitrogen as NO _x	IS 5182 (Part-6):2006 (RA:2017)	µg/m ³	15.4	80
3	Particulate Matter PM 10	IS 5182 (Part 23):2006 (RA:2017)	µg/m ³	73.6	100
4	Particulate Matter PM 2.5	IS 5182(Part 24) :2019	µg/m ³	28.0	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


Verified by



End of Report

for Eco Care Engineering Pvt. Ltd.


P. Vaithianathan-Technical Manager
Authorized signatory

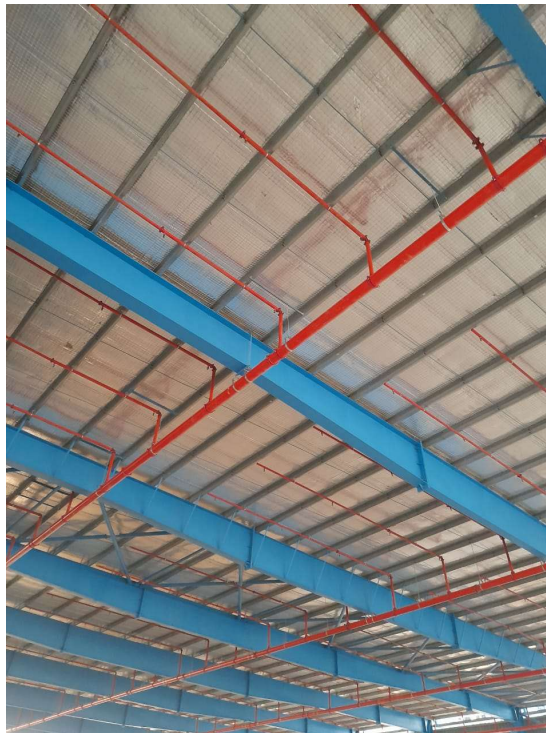


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Annexure-7
Fire Hydrant System installation work progress



Annexure 8 Environmental policy copy



**Annexure 9
Environmental Management Plan copy**

ENVIRONMENT MANAGEMENT PROGRAM (EMP)							EHS- PROJECT/GIL/ PAINT-CHEYYAR
OBJECTIVE: Sets out the criteria for an environmental management system and maps out a framework that a company or organization can follow to set up an effective environmental management system.							
ACTION PLAN							
S. No	ACTIVITY	OBJECTIVE	RESPONSIBILITY	TARGET DATE	ACTUAL DATE	RESOURCE REQD.	REMARKS
1	Installation of 150 KLD capacity ETP plant	100 % treatment of trade effluent as per CPCB/TNPCB norms	EHS	15.10.2023	30.08.2023	Designing of ETP plant as per effluent generation	ZLD system
2	RO Plant Installation Treatment of High TDS effluent.	To establish ZLD system. Reuse of treated effluent to reduce freshwater consumption.	EHS	15.10.2023	30.08.2023	Designing of RO plant as per effluent generation	ZLD system
3	MEE & ATFD System Treatment of RO reject effluent.	To establish ZLD system. Reuse of treated effluent to reduce freshwater consumption	EHS	15.10.2023	30.08.2023	Designing of MEE/ ATFD plant as per effluent generation	ZLD system
4	Installation of 30 KLD capacity STP plant	100 % treatment of domestic/ sewage effluent as per CPCB/TNPCB norms	EHS	15.08.2023	30.08.2023	Designing of STP plant as per sewage water generation	STP System
5	Scrubber system for process stack	100% elimination of process emission from the production	EHS	30.10.2023	30.08.2023	Designing the wet scrubber as per the process requirements	Emission control
6	Green Belt development	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. as per the CPCB/TNPCB requirement	EHS	31.03.2024	31.03.2024	Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	-
START DATE: 15.07.2022 COMPLETION DATE: 31.03.2024							

Annexure 10
Rainwater Harvesting system work progress



Annexure-11

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, Vengikkal, Tiruvannamalai - 606 604	To The Director, M/s. Grasim Industries Ltd., S.F. No.Plot.No. A3/1 & A4/2, Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai District - 631701.
---	---

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 - aelvr@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

DCSO

Deputy Chief Scientific Officer
Advanced Environmental Laboratory
TNPCB , Vellore

RQA of : M/s



Tamilnadu Pollution Control Board
Advanced Environmental Laboratory - Vellore
[email - aelvir@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

ROA of : M/s



Tamilnadu Pollution Control Board

Advanced Environmental Laboratory – Vellore

[email - aelvlr@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
---	------------	-----------------	-----------------

REPORT OF ANALYSIS

Sl No	Parameter	code no :	TVM-SS1219	
				1617
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 - aelvlr@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
---	------------	-----	-----------

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

RQA of : M/s



Tamilnadu Pollution Control Board
Advanced Environmental Laboratory – Vellore
[email - aelvtr@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