

No: DBGVL/Sattur/Env/17/2024-25

Date: 28th Nov. 2024

To

The Member Secretary,
State Environment Impact Assessment Authority (SEIAA), Tamil Nadu,
3rd Floor, Panagal Maaligai,
No.1, Jeenis Road,
Saidapet, Chennai – 600 015

Sub: Submission of 4th Half yearly EC compliance report for a unit of M/S Dalmia Bharat Green Vision Ltd. "Meenakshi Cement Works" located at Mulliseval village and part of Peddureddipatti village, Sattur Taluk, Virudhunagar District, Tamil Nadu – 626205.

Ref: Environmental clearance granted by the State Environment Impact Assessment Authority (SEIAA) of Tamil Nadu, vide SEIAA Letter No. SEIAA/TN/F8848/EC/3(b)/97/2021 dated 18th June 2022, EC identification No. EC22B009TN138448, and File No. 8848.

Dear Sir,

With reference to the aforesaid subject and reference, Submitting the 4th Half yearly Environment Clearance compliance report for standalone grinding unit of M/S Dalmia Bharat Green Vision Ltd. "Meenakshi Cement Works" located at Mulliseval village and part of Peddureddipatti village, Sattur Taluk, Virudhunagar District, Tamil Nadu - 626205. Compliance period from 1st April 2024 to 30th September 2024. The compliance report will be uploaded in our website within 15 days.

Kindly acknowledge the receipt of same.

Thanking you,

Yours faithfully,

For M/s. Dalmia Bharat Green Vision Ltd.

T Robert

Unit Head

Encl: Half yearly compliance report with annexures.

- CC:** 1. The Joint Chief Environmental Engineer, TNPCB, Tirunelveli- 627 007.
2. The District Environmental Engineer, TNPCB, Virudhunagar - 626 002.
3. The Zonal Officer, Central Pollution Control Board, Bangalore – 560079.
4. The Scientist 'E' & Incharge, Central Pollution Control Board, Chennai – 600058.
5. MoEFCC, Regional Office (SEZ), Nungambakkam, Chennai – 600034.

Dalmia Bharat Green Vision Limited

Corporate Office: 11th & 12th Floor, Hansalaya Building, 15, Barakhamba Road, New Delhi - 110 001, Delhi, India
11/28/2024 6:26 PM G. Mahalingam Microsoft Word - Six monthly Compliance SEIAA TN Chennai, Nov 2024

Registered Office: Trichy-Chidambaram Salai, Dalmiapuram, District Tiruchirappalli - 621 651, Tamil Nadu, India

Site Address: Meenakshi Cement Works, 66/3A, Mulliseval (Vil & PO) Sattur - 626205, Tamil Nadu, India

A Dalmia Bharat Group company, www.dalmiabharat.com

Dalmia Bharat Green Vision Limited
Unit: Meenakshi Cement Work
Mulliseval Village, Sattur Taluk, Virudhunagar District.

Half yearly EC Compliance report

Ref: Environmental Clearance vide SEIAA Letter No. SEIAA/TN/F 8848/EC/ 3(b)/97/2021 dated 18th June 2022, EC identification no EC22B009TN138448 and File No. 8848.

Compliance period from 1st April 2024 to 30th September 2024.
(4th Six-monthly EC compliance report)

S. No	Conditions	Compliance status
<u>Specific Conditions:</u>		
1.	At any point of time, the Production capacity will not exceed 2x2.5 MTPA: OPC/PPC/PSC/PCC	Being complied with. Production capacity will not exceed 2x2.5 MTPA: OPC/PPC/PSC/PCC at any point of production. Now, Established phase-I line-I with a production capacity of 1 x 2.5 MTPA cement production. Phase II will be established later.
2.	Ground water for industrial Purpose to be phased out in 5 years. The industry to explore possibilities to meet the Water consumption for industrial Purpose through treated sewage obtained from nearest local body/rain water harvesting.	Being complied with. The unit is only a grinding unit and water requirement is only for equipment cooling, mill spray and domestic. The same is planned to be sourced from Permitted Borewells for which NOC has been obtained from State Surface and Ground Water Resources Data Centre, Chennai vide Letter Ref No. DD(G)/OT 10/G-6/963/Renewal-NOC/Karaikudi /2023/dated:30.11.2023, Application had submitted for NOC renewal on 18.07.2024. For mill spray and equipment cooling, harvested rain water is being utilized during monsoon to available extend and also approached the "Municipal Commissioner and Engineering In-charge of STP Sattur" for supply of treated sewage water. On their commitment for sustainable supply, necessary infrastructure will be created to utilize it for mill spray. Further, treated water from sewage treatment plant is used for gardening.
3.	The PP shall furnish fresh water supply commitment from local	Complied with. NOC obtained from State Surface and Ground Water Resources Data Centre, Chennai vide letter for

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S. No	Conditions	Compliance status
	body before obtaining CTO from INPCB.	210000 Liters per Day vide Letter Ref No.DD(G)/OT 10/G-6/963/Renewal-NOC/Karaikudi/2023/dated: 30.11.2023, Application submitted for NOC renewal on 18.07.2024.
4.	The project proponent shall provide STP of capacity 9 KLD and treated water shall be utilized for flushing and green belt proposed.	Complied with. STP of 20 KLD capacity has been installed to treat generated domestic waste water and the treated water is being utilized for green belt.
5.	Treated/untreated sewage shall not be let-out from the unit at any point of time.	Complied with. The domestic waste water generated is being treated in 20 KLD STP. The treated water is used for gardening purpose.
6.	The PP shall provide adequate bag filters & Emissions from bag filter should be below 10mg/Nm ³ .	Complied with. Cement mill is fully equipped with efficient bag house, pollution Control equipment have been installed at varies emission source place/stack, as specified to control emission and keep emission level within the prescribed limit. The Bag Filters are designed to maintain the emission norms below 10 mg/Nm ³ . However, as directed in SEIAA Specific Condition No. 1, the APC measures will achieve Emission Standards for Cement Industries issued by CPCB vide Notifications dated 25.08.2014 and amended on 09.05.2016 & 10.05.2016 i.e. Particulate Matter (PM) Emission <30 mg/Nm ³ . A letter in this regard has been submitted to TN State Level EIA authority, dated 27 th April 2023.
7.	There is no open storage of raw material/finished product in the unit premises	Complied with. Clinker, Dry Fly ash and Cement are stored inside the silos vented with bag filters. Additives raw materials like Gypsum, Slag, Coal etc. are stored inside the covered sheds.
8.	The PP shall test for radio-active material in the gypsum used for cement in the AERB authorized	Complied with.



S. No	Conditions	Compliance status
	lab continuously. In case, any radio-activity is noticed then the said gypsum shall not be used.	Sample gypsum material has been analysed in AERB-accredited laboratory to ensure the absence of radioactive material.
9.	Comprehensive and periodical health checkup should be conducted for workers with reference to health problems like silicosis due to the particulate matter generated in the industry.	Complied with. Pre-employment & Periodical health check as per the factories act including silicosis is being carried out. Health checkup report has been enclosed as an annexure – 1
10.	Adequate engineering measures should be implemented to contain fugitive emissions within the prescribed limit.	Complied with. Efficient bag filters have been installed at loading and unloading sessions, transfer towers & silos, hood has been provided on conveyor system and raw material is being stored under covered shed in order to reduce fugitive emissions. Further, Tree saplings of native species are planted at plant premises for developing the green belt area to control airborne dust emissions. Fugitive emissions is monitored on quarterly basis through NABL accredited labs. The latest report is enclosed as Annexure – 2
11.	Workers should be protected against inhalation of dust particles with appropriate protective measures.	Being complied with. Efficient bag filters have been installed at loading and unloading sessions, transfer towers & silos, hood has been provided on conveyor system and raw material is being stored under covered shed in order to reduce fugitive emissions. Further, wear three and Carry three concepts shall be followed by every employee and in dust prone areas wearing mask is mandatory to all workers. Awareness training programs on safety and health aspects is also been arranged regularly.
12.	The green belt shall be developed in at least 33% of total plant area. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide	Under implementation. Currently 5700 saplings have been planted across the boundary as per recommendation of DFO viz Puliayaram, Atthimaram, Tekku, Vembu, Pungam, Senjsanthanam, Savukku and Poovarasu, Aavi, Sengkondrai, Manchalkondrai, Naval, Vaadham,

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S. No	Conditions	Compliance status
	range of indigenous plant species should be planted as given in the appendix , in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.	Mahakni, Further, planned to plant varieties of Plants inside the premises in this year. Thick cover of green belt constituting 33% of the total plant area shall be developed in a phase wise within five years consisting of Native species.
13.	Taller/one year old saplings raised in appropriate size of bags, preferably eco- friendly bags should be planted in proper espacement as per the advice of local forest authorities/ botanist / Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.	Being complied with. Plants are procured from the Nursery and also from the forest department with at least 5 to 8 feet height. Saplings are being purchased from the Nursery and ensured that saplings are grown in the eco-friendly bag. Thick green cover is proposed along the compound wall and its GPS coordinates shall be provided during implementation stage year wise.
14.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.	Complied with. All the roof top collected rainwater is channelized and stored in a pond which is utilized in the process. Further, the run off from the paved and unpaved roads are connected to a storm water drain and routed to a Rain water harvesting pond. The proposal feasibility is being studied through experts, the report has been submitted with 1 st six-monthly EC compliance report period from 18th June 2022 to 31st March 2023
15.	The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of	Being Complied with. Application has been submitted for obtaining authorization for handling the hazardous waste (generation & storage). At present HW generation and storage are nil. However, norms will be ensured during the disposal of HW.

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S. No	Conditions	Compliance status
	Hazardous waste within the premises.	
16.	No waste of any type to be disposed off in any other way other than the approved one.	Complied with. All the waste generated from the plant operations is being disposed off through authorized recyclers / disposers.
17.	The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.	Complied with. ICMR, MHA, and State Govt. guidelines are being followed.
18.	The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post COVID period.	Complied with. Occupational Health Centre with needed infrastructure and factory medical officer is available for continuously monitoring the health of the construction & operation and maintenance workers.
19.	The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.	Complied with. Ambient Air Quality monitoring is being carried out at plant premises including CO through accredited Labs a copy report had submitted to TNPCB & SEIAA along with Six-monthly EC compliance report.
20.	Entire roof of the proposed sheds shall be covered with Solar panels and utilization of the Solar energy should not be less than 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.	Complied with. 13.5 MW solar plant (12.5 MW through ground mounted & 1 MW AC by roof top installation) has been installed, the partial energy requirement of the plant is met by the solar plant.
21.	The PP shall conduct job fair & provide technical training for skill development in the vicinity of the	Being complied with. Based on the job nature, potential persons from the neighboring community has been provided with the

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S. No	Conditions	Compliance status
	project site and Job opportunity shall be given to local peoples.	job opportunity both directly and indirectly. Through CSR, by deploying recognized institutions/competent persons, technical training for the skill development to locals shall be carried out for benefiting their livelihood and increasing Job opportunities.
22.	That the grant of this EC issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the condition laid down in all other law for the time-being in force, rests with the project proponent.	Noted
23.	As per the MoEF&CC Office Memorandum F. No. 22-65/2017-1A.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.	Being complied. There is no demolition of structure during the project phase. However, during any modernization and upgradation activities in future, demolishing plan shall be prepared and implemented.
24.	At accepted by the Project Proponent, an amount of Rs. 7.5 crore shall be spent at CER, for the establishing Biodiversity Lab at Kallakkadu Mundanthurai Tiger Reserve (Rs. 3.6 Cr.) and Development of Nellai Wild Life Sanctuary, Ganigaikondan WLS & Koonthankulam Bird Sanctuary (Rs.3.9 Cr). in consultation with State Forest Department before obtaining CTO from TNPCB,	Complied with. As mentioned in the proposed EC application, the plant will be established in a phased manner. Now that Phase-I has been established, 3.6 Cr paid for establishing Biodiversity Lab at Kallakkadu Mundanthurai Tiger Reserve. Remaining 3.9 Cr will be paid for Development of Nellai Wild Life Sanctuary, Ganigaikondan WLS & Koonthankulam Bird Sanctuary during Phase-II implementation.
(A)	Standard Conditions	
I.	The APC measures to achieve Emission standards for cement	Complied with.

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S. No	Conditions	Compliance status
	Industries issued by CPCB shall be complied.	All the Bag filters are designed and installed to meet the emission norms prescribed by the board.
2.	The fugitive emission during loading and unloading shall be suitably controlled. Fugitive emission in the work zone environment and raw materials storage & handling areas shall be regularly monitored. The emission shall conform to the limits prescribed by the TNPCB/CPCB.	<p>Complied with.</p> <p>Enclosures has been provided at all unloading stations to control fugitives. All transfer points have been fully closed and fugitives will be controlled by extraction to bag filters. All belt conveyors are closed.</p> <p>Clinker, Cement and Dry Flyash are stored in silos vented with efficient bag filters to control emissions. Additives like gypsum, Wet flyash, Limestone, Slag are stored in closed covered sheds.</p> <p>Fugitive emissions is monitored on quarterly basis through NABL accredited labs. The latest report is enclosed as Annexure - 2</p>
3.	Vehicular emission should be kept under control and each vehicle shall carry valid Emission certificate issued by the Competent Authority.	<p>Being Complied with.</p> <p>Plant entrance itself, vehicles are checked for 'Pollution under Control' Certificate along with other statutory documents.</p>
4.	Adequate dust extraction system such as ESP/cyclones/bag filters/Wet scrubbers and water spray system, transfer areas and other vulnerable dusty areas shall be provided.	<p>Complied with.</p> <p>Bag filters have been installed at all transfer points for fugitive and material transport dust control enclosures have been provided at all unloading stations to control fugitives. All transfer points have been fully closed and fugitives are controlled by extraction to bag filters. All belt conveyors are closed.</p>
5.	Raw material storage area should be covered by the closed shed with elevated impermeable concrete base along with the provision of piezometric well so as to monitor the ground water quality in the raw material storage area.	<p>Complied with.</p> <p>Raw materials and finished products are being stored in silos and covered sheds with elevated impermeable concreted base. Clinker, Dry Fly ash and Cement are stored inside the silos vented with bag filters. Additives raw materials like Gypsum, Slag, Coal, Wet Fly ash etc. are stored inside the covered sheds. Piezometric well is available to monitor the ground water level/quality near the raw material storage area.</p>

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S. No	Conditions	Compliance status
		Water of monitoring borewell is being monitored yearly twice through NABL accredited labs. The latest report is enclosed as Annexure – 3
6.	Adequate Pollution Control measure such as Ducting with dust extracting arrangement, water sprinkling, spraying wherever required shall be established to achieve Occupational-health standards and Ambient air quality standards.	Complied with. Bag filters have been installed at all transfer points for fugitive and material transport dust control. Enclosures have been provided at all unloading stations to control fugitives. All transfer points are fully closed to control fugitive dust by extraction to bag filters. All belt conveyors are closed.
7.	Chimney height shall be provided with continuous online monitoring equipments for SO ₂ , NO _x and Particulate Matter (PM _{2.5} & PM ₁₀).	Complied with. Cement mill has been provided with a stack height of 49.0 m. Continuous Emission Monitoring system has been installed for monitoring particulate matter, Data is being shared with TNPCB Care air center and CPCB RTDMS. As standalone cement grinding unit there is no requirement for monitoring of SO ₂ & NO _x . Stack monitoring is being carried out by NABL accredited labs and report is enclosed as annexure-4 .
8.	The Waste water /Sewage generated from any other source other than indicated shall also be taken to ETP/STP redesigning the plants if required.	Complied with. The is no effluent generation from the process. The domestic waste water generated is being treated in a 20 KLD STP and treated water is utilized for Greenbelt development. The design of STP is done according to the characteristics of domestic waste water generation.
9.	The water demand for the green belt shall be met from treated effluent/sewage only after exhausting the treated effluent/sewage drawl of fresh water for this purpose shall be considered.	Complied with. The entire treated water from STP is being utilized for Greenbelt development. Further, treated water from STP shall be used for mill spray.
10.	The hazardous wastes generated shall be disposed as per the provision of Hazardous & other Wastes (Management &	Complied with. Application has been submitted for obtaining authorization for handling the hazardous waste

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	Transboundary Movement) Rules 2016.	(generation & storage). At present HW generation and storage are nil. However, norms will be ensured during the disposal of HW.
11.	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SO ₂ , NO _x & particulate Matter anticipated. At least four ambient air quality monitoring station should consultation with State Pollution Control Board based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring etc.	<p>Complied with.</p> <p>AAQMS data of near Barrack in downwind (SW) and Near switch yard (SE) is being shared with Care Air Center TNPCB.</p> <p>Further, Ambient Air monitoring is being carried out by NABL accredited labs.</p> <p>Ambient Air Monitoring reports have been enclosed as annexure – 5</p>
12.	The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.	<p>Complied with.</p> <p>Ambient Air monitoring is being carried out by NABL accredited labs twice in a week.</p> <p>Ambient Air Monitoring reports have been enclosed as an annexure – 5.</p>
13.	Interlocking system between process plant and pollution control equipment shall be installed, in case of treatment process disturbances/failure of pollution control equipment the industry shall be stopped and shall be restarted until the control measures are rectified to achieve the desired efficiency.	<p>Complied.</p> <p>Interlock facilities have been installed. If the emission level of Cement mill and Packer goes above the prescribed norms, the ID fans get tripped automatically and the unit will be tripped.</p>
14.	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	<p>Complied with.</p> <p>Ambient Noise is being carried out quarterly from the NABL accredited labs during construction,</p> <p>Now, Ambient Air monitoring is being carried out by NABL accredited labs twice in a week (at four</p>

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S. No	Conditions	Compliance status
	continued and records shall be maintained.	locations), the monitoring report attached as annexures. Noise Monitoring report is attached as annexure – 6
15.	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.	Complied with A full fledge separate environmental cell is in place with an environment professional under the direct supervision of Unit Head. Also, we have formed department wise SPOC's persons to monitor the Environmental aspects/impacts for taking effective corrective measures through Environment Management programme (EMP).
16.	The land area earmarked within the project area for green belt development shall be developed in consultation with DFO on the selection of the species & number of plantation to be carried out.	Under implementation. Currently 5700 saplings have been planted across the boundary as per recommendation of DFO viz Puliymaram, Athimaram, Tekku, Vembu, Pungam, Senjsanthanam, Savukku and Poovarasu. Aavi, Sengkondrai, Manchalkondrai, Naval, Vaadham, Mahakni. Further, planned to plant varieties of Plants inside the premises in this year. Thick cover of green belt constituting 33% of the total plant area shall be developed in a phase wise within five years consisting of Native species
17.	The industry shall promote tree plantation to neutralize their carbon foot print. Green Belt consisting of three tiers of plantation of native species around plant and at least 75m width shall be raised. Tree density shall not less than 2500 per ha with survival rate not less than 80%.	Being complied with. As a responsible corporate all actions will be taken to reduce the carbon footprint, like improving Energy efficiency, Reducing clinker to Cement ratio and establishment of Solar Power Plant. Thick cover of green belt constituting 33% of the total plant area shall be developed in a phase wise within five years consisting of native species covering 75 m width with density not less than 2500 per ha. Dedicated team for Proper care including regular trimming & pruning of plants and watering are being carried out to achieve survival rate of more than 80%.
18.	Water conservation scheme including rain water harvesting	Complied with.



S. No	Conditions	Compliance status
	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 drawl.	All the roof top collected rainwater has been connected and stored in a pond which is being utilized in the process. Further, the runoff from the paved and unpaved roads have been connected to a storm water drain and routed to a Rain water harvesting pond.
19.	Scheduled Flora and fauna found in the study area of the core zone around the project site shall be monitored closely and a plan shall be prepared and implemented for their conservation.	Noted for Compliance. Conservation plan for Schedule-I species peafowl has been prepared by Dr.M.Selvanayagam, Dean-Research Loyola - ICAM College of Engineering & Technology and the measures proposed are being implemented during the project phase.
20.	The activity of the unit is no way should disturb the Wild life habitat, free migratory movement of the wildlife nor disturb the Wildlife in any way.	Noted. There is no forest area or bird migratory pathway in the project area.
21.	The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be considering the Catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.	Complied with. Storm water drains have been constructed across the entire plant area. The same has been channelized to a Rainwater harvesting pond. Further, the runoff from the paved and unpaved roads have been connected to a storm water drain and routed to a Rainwater harvesting pond.
22.	The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/Hon'ble High Court of Madras.	Noted.
(B)	General Conditions	
I.	The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative	Noted.

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S. No	Conditions	Compliance status
	clearance from the concerned statutory and administrative authorities.	
II.	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, TN.	Noted.
III.	'Consent for Establishment' shall be obtained from the Tamil Nadu pollution Control Board and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.	Complied. Consent for Establishment under Air & Water Act had been obtained from the Tamil Nadu Pollution Control Board vide Order No 2201245092256 and 2201145092256, dated 27/06/2022. The copy of CTE sent to SEIAA with 1 st six-monthly EC compliance report period from 18th June 2022 to 31st March 2023.
IV.	Greenbelt consisting of 3 tiers of plantations of native species around the plant boundary comprising of at least 33% of total land shall be raised. The density of trees shall not be less than 2500 per Ha and rate of survival at least 80%.	Being complied with. Thick cover of green belt constituting 33% of the total plant area shall be developed phase wise within five years, consisting of native species covering 75 m width with a density not less than 2500 per ha. Dedicated team for proper care, including regular trimming & pruning of plants and watering, are being carried out to achieve a survival rate of more than 80%.
V.	Proper housekeeping shall be ensured and all the raw material including scrap, coal etc., shall be stored at designated places.	Complied with. Good housekeeping will be maintained. Dedicated storage space will be provided for storing of all Raw materials, Fuel and Products. Waste generated from the activity is being segregated and stored in a designated place and sent to the authorized recyclers.
VI.	The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant. Rain water harvesting system shall be put in place which	Complied with. All the roof top collected rainwater have been connected and stored in a pond which is being utilized in the process.

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S. No	Conditions	Compliance status
	shall comprise of rain water collection from the built up and open area in the plant premises. Action plan for implementation shall be submitted to the MoEF&CC, Regional Office at Chennai within six months.	Further, the run off from the paved and unpaved roads have been connected to a storm water drain and routed to a Rain water harvesting pond.
VII.	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Complied with. Through CSR, focusing on Soil & Water conservation, Livelihood development, medical facilities, etc., as per the requirements of the villagers, drinking water facilities are being established.
VIII.	CSR schemes should address Public Hearing issues and shall be undertaken based on need assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration.	Complied with. Through CSR, focusing on Soil & Water conservation, Livelihood development and medical facilities etc.
IX.	Public grievances received against the establishment of the proposed project shall be addressed immediately.	Noted. As of now there is no public grievances received during establishment
X.	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	Being complied. Monitoring mechanism are in place for schemes identification to nearby by community and the same is being reviewed by CSR corporate head and Unit head on monthly basis. Annual social audit shall be carried out and the implementation report will be updated in the half yearly compliance report.

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S. No	Conditions	Compliance status
XI.	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Organization.	<p>Complied with.</p> <p>A full fledged separate environmental cell is in place with an environment professional under the direct supervision of Unit Head. Also, we have formed department wise SPOC's persons to monitor the Environmental aspects/impacts for taking effective corrective measures through Environment Management programme (EMP).</p>
XII.	All the measures regarding occupational health surveillance of the workers shall be undertaken and regular medical examination of all the employees shall be ensured as per the Factories Act and records maintained.	<p>Complied with.</p> <p>Pre-employment occupational health checkup has been conducted for employees and Periodical health checkup of workers is being conducted and ensured as per the Factories Act and records are maintained.</p>
XIII.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report.	<p>Being complied.</p>
XIV.	The company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.	<p>Being complied with.</p> <p>Different types of Skill development training is being organized in nearby villages by recognized institute/ competent person with the goal of helping residents improve the skills and livelihood. Also, through CSR, focusing on Soil & Water conservation, medical camps including for animals based on the need. Safe drinking water facilities are also being established.</p>
XV.	The amount earmarked towards capital cost and recurring cost/annum shall be used for environmental pollution control measures and judiciously used to implement the conditions stipulated by the SEIAA, TN as well as the State Government. An implementation schedule for implementing all the conditions	<p>Being Complied with.</p> <p>As of now Capital cost invested for the pollution control measures is INR 7.64 crore.</p> <p>Every year, for environmental protection budget is allotted and will be spent wisely spent. Also, additional funds are being allocated separately for implementing the conditions stipulated by MoEF & PCB from time to time.</p>

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S. No	Conditions	Compliance status
	stipulated herein shall be submitted to the Ministry's Regional Office at Chennai. The funds so provided shall not be diverted for any other purpose.	The funds provided for environmental pollution control measures is not be diverted for other purpose.
XVI.	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Regional office of the MOEF&CC at Chennai, TNPCB and CPCB within 3 months of issue of Environment Clearances.	Complied. A risk assessment study and disaster preparedness and management plan along with the mitigation measures have been provided in the EIA/EMP report, and submitted to SEIAA, Tamil Nadu. during appraisal for EC and have also been submitted to TNPCB.
XVII.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA, TN and copies of clearance letter are available with the TNPCB and may also be seen at Website of the SEIAA, TN at http://seiaa.tn.gov.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office of the MoEF&CC at Chennai.	Complied. A public notice informing about grant of EC has been published in two newspapers named "Indian Express" of Madurai edition and "Daily THANTHI" on 19 th June 2022 in English as well as in vernacular language i.e. Tamil respectively. Copy of Advertisements sent with 1 st six-monthly EC compliance report period from 18th June 2022 to 31st March 2023
XVIII.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, Chennai, the Zonal Office CPCB Bengaluru and the	Complied with. The hard copy of six-monthly EC compliance report along with monitoring report are being sent to Regional Office of MoEF&CC, Chennai, the Zonal Office CPCB Bengaluru and the TNPCB both in Hard copies via postal and Soft copy via mail.



S. No	Conditions	Compliance status
	TNPCB. This shall also be put on the website of the Company by the proponent.	Copy of EC and half yearly compliance report will be uploaded in the company website, i.e., https://www.dalmiacement.com/sustainability/ .
XIX.	The Environmental Statement for each financial year ending 31 st March in Form-V as is mandated has to be submitted by the project proponent to the Tamil Nadu pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF&CC, Chennai by e-mail.	Complied with. The Environmental Statement for financial year ending 31 st March 2024 has been submitted to TNPCB and MoEF&CC, Chennai Lr.No.DBGVL/Sattur/Env/15/2024-25 Dated 30.10.2024
XX.	The proponent shall upload the status of compliance of the stipulated EC 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 MoEF&CC, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. Copy of EC and half yearly compliance report will be uploaded in the company website, i.e., https://www.dalmiacement.com/sustainability/ . The online monitoring data has been connected to the CARE AIR, TNPCB and to CPCB server. Also, manual monitoring report is being carried out through NABL accredited labs and its report is being submitted with half yearly compliance to MoEF regional office & TNPCB. The real time data is displayed at the main gate.
XXI.	A copy of the clearance letter shall be sent by the proponent to the local body and the Local NGO, if	Complied.

G. Mahalingam



S. No	Conditions	Compliance status
	any. from whom suggestions/representations, if any. were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Environmental clearance has been uploaded on company's website i.e. https://www.dalmiacement.com/sustainability/ . The copy of EC has been sent to local body and the acknowledgement has been enclosed in 1st six-monthly EC compliance report period from 18th June 2022 to 31st March 2023
XXII.	Project authorities shall inform the MoEF&CC Regional Office at Chennai as well as the SEIAA, TN, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted for Compliance. The land developmental work started on 28.06.2022. Financial closure date will be informed to MoEF&CC Regional Office, Chennai as well as the SEIAA, TN as and when done.
XXIII.	Full cooperation shall be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry/CPCB/ SPCB who would be monitoring the compliance of environmental status.	Noted.
XXIV.	The SEIAA, TN reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the SEIAA, TN. The SEIAA, TN may also impose additional environmental conditions or modify the existing ones, if necessary.	Noted.
XXV.	Environmental Clearance is issued based on the details furnished as above. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under	Noted.

G. Mahalingam



S. No	Conditions	Compliance status
	the provisions of Environment (Protection) Act, 1986.	
XXVI.	The SEIAA, TN reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
XXVII.	The above stipulations would be enforced, inter-alia under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	Noted.
XXVIII.	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.



G. Mahalingam

DALMIA CEMENT (BHARAT) LIMITED
Dalmiapuram

Ref: DCB:DPM:PER:

Date: 17/07/24

PRE-EMPLOYMENT MEDICAL EXAMINATION

- Job Classification : EXECUTIVE - PACKING PLANT
- 1. Name : SANKARAN S
- 2. Father's Name : SELVARAJ
- 3. Date of Birth : 14 - MAY 1996
- 4. Religion : HINDU
- 5. Address : A.I. NEW SAMATHUVARIPAM
OPPOSITE MUTHU MARIAMMAL KOVIL
KALLAKUDI (P), LALGUDI (T)
TRICHY - 621652
- 6. Personal History : Single / Married / Vegetarian / Non-Vegetarian / Smoker / Alcohol / Tobacco
- 7. Occupational History : -
- 8. Medical History : Diabetes Mellitus / Hypertension / CAHD / Asthma / Seizures / Tuberculosis / Allergy / Eczema / Accidents / Surgery / Medication
- 9. Identification Marks : A BLACH
(a) MOLE ON LEFT EYE TOP SIDE OF FOREHEAD
(b) SCAR ON RIGHT LEG KNEE
- 10. Height : 165 cms Weight : 56 kgs Chest Expansion : 5 cms
- 11. Pulse Rate : 86 ml Rhythm : Regular / Irregular
- 12. Peripheral Pulses : Normal / Feeble / Absent
- 13. Blood Pressure : 120 / 80 mm of Hg Low / Normal / High
- 14. General Examination:
 - Build : Thin / Normal / Well-Built / Obese
 - Skin : Normal / Dry / Eczema / Psoriasis / Dermatitis / Varicose Venis / Chronic Ulcers / Oedema
 - Conjunctiva : Normal / Pale
 - Vision with / without glasses : Normal / Defective
 - Colour Vision : Normal / Defective
 - Hearing : Normal / Defective
 - Oral Cavity : Normal / Abnormal



15. Chest : Wall : Normal / ~~Abnormal~~ Movements : Normal / ~~Abnormal~~

16. Heart : Sound : Normal / ~~Murmur / Rub~~ Rate : Regular / ~~Irregular~~

17. Lungs : Sound : Normal / ~~Rales / Rhonchi / Rub / Others~~

18. Abdomen : (a) Liver : Palpable / Not Palpable
 (b) Spleen : Palpable / Not Palpable
 (c) Hernia : Nil / Present
 (d) Hydrocele : Nil / ~~Present~~

19. Nervous System : (a) Gait : Normal / ~~Abnormal~~ (b) Pupils : Normal / ~~Abnormal~~
 Muscle Wasting : Nil / Present
 Co-ordination : Normal / ~~Abnormal~~
 Knee Jerk/Ankle Jerk: Normal / ~~Abnormal~~
 Physical Deformities : ~~Nil~~

20. Investigations : X-Ray Chest PA : Normal / ~~Abnormal~~
 Blood Group : ~~A / A1 / A2 / B / O / AB / A1B / A2B~~
 POSITIVE / NEGATIVE
 Hb 15.5 gms % ESR 5 mm/1 hr.
 Blood Sugar : ~~RBS / FBS / PPBS~~ : 114 mgm %
 Blood Urea : 15 mgm % Urine : Albumin ~~Nil~~ Sugar ~~Nil~~
 S.Cholestrol : 195 mgm % HDL Cholestrol 39 mgm %
 LDL Cholestrol 143 mgm % Triglycerides 64 mgm %
 ECG Incomplete RBBB - otherwise within normal limits

21. Remarks :

22. Physical Rating : **FIT / UNFIT**

S.K

Dr. KARTHIKEYAN G MBBS, AFPH,
 REG NO: 94577 APH REG NO: 03511
 FACTORY MEDICAL OFFICER
 MEENARSHI CEMENT WORKS LTD

Dr. S. AGATHIYAN, M.D.
 Regn. No. 54055
 CHIEF CIVIL SURGEON
 Govt. Head Quarters Hospital
 KOVILPATTI - 628 501
 Certifying MEDICAL OFFICER

Employed with effect from :

Rejected :

DALMIA CEMENT (BHARATI) LIMITED
Dalmiapuram

Ref: DCB:DPM:PER:

Date: 11/05/2024

PRE-EMPLOYMENT MEDICAL EXAMINATION

- Job Classification : Asst. manager CSR lead Sattur
1. Name : K. Shanmugam
2. Father's Name : P. Kannupiah
3. Date of Birth : 14/11/1986
4. Religion : Hindu
5. Address : D/72, Kamaraj Street
Jeena Nagar
Trichy-8
99424 62312
6. Personal History : Single / Married / Vegetarian / Non-Vegetarian / Smoker / Alcohol / Tobacco
7. Occupational History :
8. Medical History : Diabetes Mellitus / Hypertension / CAHD / Asthma / Seizures / Tuberculosis / Allergy / Eczema / Accidents / Surgery / Medication
9. Identification Marks : (a) The scar on the right side leg knee
(b) A mole on the left side neck
10. Height : 172 cms Weight : 72 kgs Chest Expansion : 8.5 cms
11. Pulse Rate : 82 mt Rhythm : Regular / Irregular
12. Peripheral Pulses : Normal / Feeble / Absent
13. Blood Pressure : 120/80 mm of Hg Low / Normal / High
14. General Examination: Build : Thin / Normal / Well Built / Obese
Skin : Normal / Dry / Eczema / Psoriasis / Dermatitis / Varicose Veins / Chronic Ulcers / Oedema
Conjunctiva : Normal / Pale
Vision with / without glasses : Normal / Defective
Colour Vision : Normal / Defective
Hearing : Normal / Defective
Oral Cavity : Normal / Abnormal



15. Chest : Wall : Normal / Abnormal Movements : Normal / Abnormal
 16. Heart : Sound : Normal / Murmur / Rub Rate : Regular / Irregular
 17. Lungs : Sound : Normal / Rales / Rhonchi / Rub / Others
 18. Abdomen : (a) Liver : Palpable / Not Palpable
 (b) Spleen : Palpable / Not Palpable
 (c) Hernia : Nil / Present
 (d) Hydrocele : Nil / Present
 19. Nervous System : (a) Gait : Normal / Abnormal (b) Pupils : Normal / Abnormal
 Muscle Wasting : Nil / Present
 Co-ordination : Normal / Abnormal
 Knee Jerk/Ankle Jerk: Normal / Abnormal
 Physical Deformities :

20. Investigations : X-Ray Chest PA : Normal / Abnormal
 Blood Group : A / A1 / A2 / B / O / AB / A1B / A2B
 POSITIVE / NEGATIVE
 Hb 14.2 gms % ESR 4 mm/1 hr.
 Blood Sugar : RBS / FBS / PPBS : 100 mgm %
 Blood Urea : 28 mgm % Urine : Albumin Sugar
 S.Cholestrol : 126 mgm % HDL Cholestrol 41 mgm %
 LDL Cholestrol 61 mgm % Triglycerides 120 mgm %
 ECG - normal

21. Remarks : NO abnormality found

22. Physical Rating : EIT / UNFIT

[Signature]
MEDICAL OFFICER
 Certifying Medical Officer
 Anti. Radium Therapy Centre,
 K.A.P.V Govt Medical College,
 M.G.M. Govt Hospital
 Trichy

Employed with effect from :

Rejected :

[Signature]
Dr. KARTHIKEYAN G MBBS, AFPH,
 REG NO : 94677 APFH REG NO : 03516
 FACTORY MEDICAL OFFICER
 WESTMADELL-CHENNAI

HR DEPARTMENT



Glens Innovation Labs Pvt Ltd.

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TEST REPORT



ULR NO: TC858224000006014E

Report No. : EN24080374

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Mecnakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nall
 Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Fugitive Sampling Date : 08-Aug-2024
 Sample Description : Fugitive Received Date : 10-Aug-2024
 Sampling Location : Near Additive Area Commenced On : 10-Aug-2024
 Sample Drawn By : Collected by Lab Representative Completed On : 13-Aug-2024
 Sample Condition : Fit for Analysis Report Date : 15-Aug-2024
 Sampling Plan and Method : GL/EN/SOP/161 Temperature : 33°C



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method
Discipline: Chemical				
Group: Atmospheric Pollution				
1	Respirable particulate matter	mg/m ³	0.760	NIOSH - 0600

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

End of Report

Verified By

Authorized Signature
 E. PRITHIVIRAJAN
 LAB MANAGER

Terms and Conditions:

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TEST REPORT

Report No. : EN24070216

U.L.R NO: TC858224000005330F

Name of the Client : Dalmia Bharath Green Vision Ltd
Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, muliseval,Nalli
Railway Station, Sattur Taluk, Virudunagar Dist-626205
Sample Name : Indoor Air Quality Sampling Date : 03-Jul-2024
Sample Description : Indoor Air Quality Received Date : 04-Jul-2024
Sampling Location : Near Additive Area Commenced On : 04-Jul-2024
Sample Submission Type : Collected by Lab Representative Completed On : 05-Jul-2024
Sample Condition : Fit for Analysis Report Date : 06-Jul-2024



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method
Discipline: Chemical				
Group: Atmospheric Pollution				
1	Respirable particulate matter	µg/m ³	160	NIOSH - 0600

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, 06/1, 1 St Floor, Sri Indira Complex Kumbakonam Street, Balasamudram Nagar, Anumbakam Chennai-601106

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TEST REPORT

Report No. : EN24060483

ULR NO:TC858224000004174F

Name of the Client : Dalmia Bharath Green Vision Ltd
Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
Railway Station, Suttur Taluk, Virudunagar Dist-626205
Sample Name : Fugitive Emission Sampling Date : 14-Jun-2024
Sample Description : Fugitive Emission Received Date : 14-Jun-2024
Sampling Location : Near Additive Area Commenced On : 14-Jun-2024
Sample Submission Type : Submitted Samples Completed On : 22-Jun-2024
Sample Condition : Good Report Date : 25-Jun-2024
Sampling Plan and Method : GL/EN/SOP/161



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method
Discipline: Chemical				
Group: Atmospheric Pollution				
1	Respirable particulate matter	mg/m ³	0.810	NIOSH - 0600

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd. 86/1, 1st St Floor, Sri Jai Sri Durgam Amrutesan Temple, Rilliviriyagar Nagar, Arumbakkam Chennai-600106

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TEST REPORT



Report No. : EN24080386

ULR NO: TC858224000006026F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Borewell Water Sampling Date : 08-Aug-2024
 Sample Description : Borewell Water Received Date : 10-Aug-2024
 Sampling Location : Monitoring Borewell Commenced On : 10-Aug-2024
 Sample Submission Type : Collected by Lab Representative Completed On : 17-Aug-2024
 Sample Condition : Fit for Analysis Report Date : 19-Aug-2024
 Sample Quantity : 2.50 Litre
 Sampling Plan and Method : GI /EN/SOP/001 & 003



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method
1	Colour	Hazen	1	IS 3025 (Part 4): 1983
2	Odour	-	Agreeable	IS 3025 (Part 5): 2018
3	pH Value @ 25°C	-	6.96	IS 3025 (Part 11): 1983
4	Taste	-	Disagreeable	IS 3025 (Part 8): 1984
5	Turbidity	NTU	BLQ(L.O.Q : 0.1)	IS 3025 (Part 10): 1984
6	Calcium as Ca	mg/L	329	IS 3025 (Part 40): 1991
7	Chloride as Cl	mg/L	824.0	IS 3025 (Part 32): 1988
8	Fluoride as F	mg/L	0.80	IS 3025 (Part 60): 2008
9	Free Residual Chlorine	mg/l	BLQ(L.O.Q : 0.1)	IS 3025 (Part 26): 1986
10	Magnesium as Mg	mg/L	288.0	IS 3025 (Part 46): 1994

Verified By

Authorized Signature
 E. PRITHIVIRAJAN
 LAB MANAGER

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TEST REPORT

Report No. : EN24080386

S. No.	Parameters	Units	Results Obtained	Test Method
11	Nitrate as NO ₃	mg/l	96.0	APHA 23rd Edition Part 4500 NO ₃ -B:2017
12	Sulphate as SO ₄	mg/L	1956.0	IS 3025 (Part 24): 1986
13	Total Alkalinity as CaCO ₃	mg/L	305.0	IS 3025 (Part 23): 1986
14	Total Hardness as CaCO ₃	mg/l	2007.0	IS 3025 (Part 21): 2009
15	Total Dissolved Solids @ 180°C	mg/L	4043.0	IS 3025 (Part 16): 1984
16	Iron as Fe	mg/L	BLQ(LOQ - 0.05)	IS 3025 (Part 53): 2003
17	Silica as SiO ₂	mg/L	4.10	IS 3025 (Part 35):1988

Remarks: The above mentioned water sample conforms to the requirements of Acceptable Limits as per IS 10500:2012, for the above tested parameters

Note:- BLO - Below the Limit of Quantification, LOQ - Limit of Quantification.
mg/L - Milligram per liter

***End of Report**

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24080386

Name of the Client : Dalmia Bharath Green Vision Ltd
Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
Railway Station, Sattur Taluk, Virudunagar Dist-626205
Sample Name : Borewell Water Sampling Date : 08-Aug-2024
Sample Description : Borewell Water Received Date : 10-Aug-2024
Sampling Location : Monitoring Borewell Commenced On : 10-Aug-2024
Sample Submission Type : Collected by Lab Representative Completed On : 17-Aug-2024
Sample Condition : Fit for Analysis Report Date : 19-Aug-2024
Sample Quantity : 2.50 Litre
Sampling Plan and Method : GL/EN/SOP/001 & 003



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method
1	Biochemical Oxygen demand at 27°C for 3 days	mg/L	BLQ(LOQ - 7.0)	IS 3025 (Part 44), 1993
2	Chemical Oxygen Demand (COD)	mg/L	BLQ(LOQ - 4.0)	APHA 23rd Edition Part 5220 B,C 2017
3	Total Suspended Solids(TSS) @ 105°C	mg/L	BLQ(LOQ - 1.0)	APHA 23rd Edition Part 2540 D, 2017

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

mg/L - Milligram per liter

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #67/1, 5th Floor, Sri Jothi Complex Murugesan Street, Balavinayagar Nagar, Arumbakkam Chennai 600100.

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Glens Innovation Labs Pvt Ltd.

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TEST REPORT



ULR NO: TC85822400006025F

Report No. : EN24080385

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
 Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Stack Emission Sampling Date : 08-Aug-2024
 Sample Description : Stack Received Date : 10-Aug-2024
 Sampling Location : Cement Mill Commenced On : 10-Aug-2024
 Sample Submission Type : Collected by Lab Representative Completed On : 13-Aug-2024
 Sample Condition : Fit for Analysis Report Date : 15-Aug-2024
 Sampling Plan and Method : GL/EN/SOP/111



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Limit as per CPCB Standard
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	GL/EN/SOP/149	NA
2	Carbon Dioxide as CO ₂	%	0.1	GL/EN/SOP/149	NA
3	Gaseous Discharge	Nm ³ /hr	264606.0	IS 11255 (Part 3) - 2018	NA
4	Oxides of Nitrogen as NO ₂	mg/m ³	BLQ(LOQ : 2.0)	GL/EN/SOP/149	NA
5	Oxygen as O ₂	%	20.8	GL/EN/SOP/149	NA
6	Particulate Matter	mg/Nm ³	6.40	GL/EN/SOP/111	30
7	Stack Temperature	K	359	IS 11255 (Part 3) - 2018	NA
8	Velocity	m/sec	7.52	EPA method 1-3	NA
9	Moisture Content	%	2.6	EPA Method 1-3	NA
10	Sulphur Dioxide as SO ₂	mg/m ³	BLQ(LOQ : 3.0)	EPA Method 6	NA

Remarks: The Stack complies as per CPCB Standard of General Stack Emission Standard

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

End of Report

Verified By

Authorized Signature
 E. PRITHIVIRAJAN
 LAB MANAGER

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TEST REPORT

Report No. : EN24060482

ULR NO:TC858224000004173F

Name of the Client : Dalmia Bharath Green Vision
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval
 Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Stack Emission Sampling Date : 14-Jun-2024
 Sample Description : Stack Emission Received Date : 14-Jun-2024
 Sampling Location : Cement Mill Commenced On : 14-Jun-2024
 Sample Submission Type : Collected by Lab Representative Completed On : 22-Jun-2024
 Sample Condition : Good Report Date : 25-Jun-2024
 Sampling Plan and Method : GL/EN/SOP/111



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Limit as per CPCB Standard
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Stack Temperature	K	371.0	IS 11255 (Part 3) : 2018	NA
2	Velocity	m/sec	7.30	EPA method 1-3	NA
3	Gaseous Discharge	Nm ³ /hr	248589.0	IS 11255 (Part 3) : 2018	NA
4	Oxygen as O ₂	%	20.3	GL/EN/SOP/149	NA
5	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	GL/EN/SOP/149	NA
6	Carbon Dioxide as CO ₂	%	0.1	GL/EN/SOP/149	NA
7	Particulate Matter	mg/Nm ³	6.31	GL/EN/SOP/113	30
8	Oxides of Nitrogen as NO ₂	mg/m ³	BLQ(LOQ : 2.0)	GL/EN/SOP/149	NA
9	Sulphur Dioxide as SO ₂	mg/m ³	BLQ(LOQ : 3.0)	EPA Method 6	NA
10	Moisture Content	%	BLQ(LOQ : 1.0)	EPA Method 1-3	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

End of Report

Verified By



Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT



Report No. : EN24070168

ULR NO: TC858224000005319E

Name of the Client : Dalmia Bharath Green Vision Ltd.
 Address of the Client : Unit : Meenakshi Cement Works, P NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Jun-2024 11:20 AM
 Sample Description : Ambient Air Quality Sampling To : 25-Jun-2024 11:20 AM
 Sampling Location : Clinker Silo Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Aug-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	25.7	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	59.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	29.1	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	11.4	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/008	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter.

Verified BY

End of Report

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/1, 1st Floor, 30 Jothi Complex Mutugesan Street, Saravananagar Nagar, Anambakkam Chennai 600105

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TEST REPORT

ULR NO: TC858224000005318F

Report No. : EN24070167

Name of the Client	Dalmia Bharath Green Vision Ltd		
Address of the Client	Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205		
Sample Name	: Ambient Air Quality	Sampling From	: 23-Jun-2024 11:05 AM
Sample Description	: Ambient Air Quality	Sampling To	: 24-Jun-2024 11:05 AM
Sampling Location	: WTP	Received Date	: 03-Jul-2024
Sample Submission Type	: Collected by Lab Representative	Commenced On	: 03-Jul-2024
Sample Condition	: Fit for Analysis	Completed On	: 08-Jul-2024
Humidity	: 56 %	Report Date	: 09-Jul-2024
Temperature	: 37°C	Sampling Plan and Method	: IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	1
3	Nitrogen dioxide as NO2	ug/m3	23.4	IS 5182 (Part 6): 2006	80
4	Ozone as O3	ug/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	ug/m3	63.9	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	ug/m3	31.5	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	ug/m3	12.5	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	ug/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	5
9	Lead as Pb	ug/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	20
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	6
12	Ammonia as NH3	ug/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

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 parameter.

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.


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End of Report


 Authorized Signature

E. PRITHVIRAJAN
 LAB MANAGER

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TEST REPORT

Report No. : EN24070167

ULR NO: TC858224000005318F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 23-Jun-2024 11:05 AM
 Sample Description : Ambient Air Quality Sampling To : 24-Jun-2024 11:05 AM
 Sampling Location : WTP Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	23.4	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	63.9	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	31.5	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	12.5	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter.

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End of Report

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E PRITHVIRAJAN
LAB MANAGER

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Report No. : EN24070166

ULR NO: TC858224000005317F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Suttur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 21-Jun-2024 10:40 AM
 Sample Description : Ambient Air Quality Sampling To : 22-Jun-2024 10:40 AM
 Sampling Location : HR Office Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Damaged Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	11.4	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	26.7	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	61.1	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	29.3	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ: 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ: 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ: 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ: 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ: 4.0)	GL/EN/SOP/028	5
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ: 0.03)	GL/EN-INS/SOP/009	1
11	Arsenic as As	ng/m ³	BLQ(LOQ: 2.0)	IS 5182 (Part 22): 2014	6
12	Nickel as Ni	ng/m ³	BLQ(LOQ: 2.0)	IS 5182 (Part 22): 2014	20

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 parameter.

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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E. PRITHVI
LAB MANAGER

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TEST REPORT



Report No. : EN24070166

ULR NO: TC858224000005317F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upahar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 21-Jun-2024 10:40 AM
 Sample Description : Ambient Air Quality Sampling To : 22-Jun-2024 10:40 AM
 Sampling Location : HR Office Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Damaged Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	11.4	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	26.7	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	61.1	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	29.3	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.602)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter.

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End of Report

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT.LTD, #6/3, 3 ST Floor, Sri Jothi Complex Murugesan Street, Balavinayagar Nagar, A/umbaldam (Tirunelveli) 627016

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TEST REPORT

Report No. : EN24070165

ULR NO: TC858224000005316F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO-66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 19-Jun-2024 10:20 AM
 Sample Description : Ambient Air Quality Sampling To : 20-Jun-2024 10:20 AM
 Sampling Location : Barrack Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV




Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	10.0	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	25.9	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM ₁₀)	µg/m ³	48.6	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM _{2.5})	µg/m ³	24.5	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/008	5
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	1
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	6
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	20

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 parameter.

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

End of Report


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Authorized Signature
E. PRATHIMA
LAB



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TEST REPORT



Report No. : EN24070165

U/LR NO: TC858224000005316F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, nulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 19-Jun-2024 10:20 AM
 Sample Description : Ambient Air Quality Sampling To : 20-Jun-2024 10:20 AM
 Sampling Location : Barrack Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	10.0	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	25.9	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	48.6	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	24.5	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	3.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter.

End of Report

Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, #6/1, 1st Floor, Sri Jagathi Complex, Murugesan Street, Kallivanayagar Nagar, Arumbakkam, Chennai 600105

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TEST REPORT

Report No. : EN24070164

ULR NO: TC858224000005315F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 18-Jun-2024 03:00 PM
 Sample Description : Ambient Air Quality Sampling To : 19-Jun-2024 03:00 PM
 Sampling Location : Location -01 Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results


S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	15.1	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	23.9	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM ₁₀)	µg/m ³	56.2	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM _{2.5})	µg/m ³	27.6	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	5
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	1
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	6
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	20

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 parameter.

Note: - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

End of Report


Verified By


Authorized Signature
E. SIVAKUMAR
LAB IN-CHARGE

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Report No. : EN24070164

DLR NO: TC858224000005315F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 18-Jun-2024 03:00 PM
 Sample Description : Ambient Air Quality Sampling To : 19-Jun-2024 03:00 PM
 Sampling Location : Location -01 Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Jul-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	15.1	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	23.9	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM ₁₀)	µg/m ³	56.2	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM _{2.5})	µg/m ³	27.6	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.04)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	500
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/008	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter.

Verified By

End of Report

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24060481
ULR NO:TC858224000004172F

Name of the Client : Dalmia Bharath Green Vision

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 12-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 13-Jun-2024 12:14 PM

Sampling Location : Barrack Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 54% Report Date : 25-Jun-2024

Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV

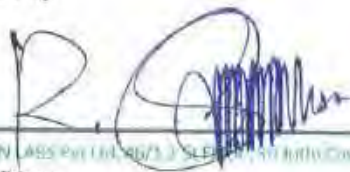


Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	12.9	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	26.1	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	54.7	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	21.2	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ: 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ: 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ: 1.14)	IS 5182 (Part 10): 1990	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ: 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ: 4.0)	GL/EN/SOP/098	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ: 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ: 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ: 2.0)	IS 5182 (Part 22): 2014	NA

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.
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 parameter

End of Report

Verified By

Authorized Signature


E. PRITHVIRAJAN
 LAB MANAGER

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TEST REPORT

Report No. : EN24060480

ULR NO:TC858224000004171F

Name of the Client : Dalmia Bharath Green Vision

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval
Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 12-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 13-Jun-2024 12:14 PM

Sampling Location : Clinker Silo Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 56% Report Date : 25-Jun-2024

Temperature : 36°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	11.6	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	21.8	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM ₁₀)	µg/m ³	60.6	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM _{2.5})	µg/m ³	23.8	GL/EN/SOP/06Z	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter

Verified By

End of Report

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24060479

ULR NO:TC858224000004170F

Name of the Client : Dalmia Bharath Green Vision

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 04-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 05-Jun-2024 12:14 PM

Sampling Location : HR Office Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 54% Report Date : 25-Jun-2024

Temperature : 33°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	16.1	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	27.4	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM ₁₀)	µg/m ³	63.3	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM _{2.5})	µg/m ³	24.4	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/037	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/008	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter

End of Report

Verified By



Authorized Signature

E PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24060478

ULR NO:TC858224000004169F

Name of the Client : Dalmia Bharath Green Vision

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 04-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 05-Jun-2024 12:14 PM

Sampling Location : Near WTP Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 53% Report Date : 25-Jun-2024

Temperature : 32°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	13.4	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	25.7	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	57.5	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	26.1	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD. #10/13-14, 15th Floor, Sri Jothi Complex, Marudhosepet Street - Main Road, West Nagar, Anna Nagar, Chennai 600006

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TEST REPORT

Report No. : EN24060477

ULR NO:TC858224000004168F

Name of the Client : Dalmia Bharath Green Vision

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 04-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 05-Jun-2024 12:14 PM

Sampling Location : Near Weigh Bridge Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 54% Report Date : 25-Jun-2024

Temperature : 33°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	11.3	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	22.6	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	51.0	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	25.4	GL/EN/SOP/062	50
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 27): 2014	NA

Note- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, 16/1, LT 3/F Floor, Sri Jai Sri Ganesha Marg, Sattur, Virudunagar, Tamil Nadu - 626205

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TEST REPORT

ULR NO:TC858224000004167F

Report No. : EN24060476

Name of the Client : Dalmin Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
 Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 04-Jun-2024 12:14 PM
 Sample Description : Ambient Air Quality Sampling To : 05-Jun-2024 12:14 PM
 Sampling Location : Near Batching Plant Received Date : 14-Jun-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024
 Sample Condition : Good Completed On : 24-Jun-2024
 Humidity : 54% Report Date : 25-Jun-2024
 Temperature : 33°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	7.4	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	16.6	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	49.3	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	25.3	GL/EN/SOP062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP008	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter

End of Report

Verified By

Authorized Signature

E PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, 10/11, 12th Floor, Sri Lalitha Complex, Murugesan Street, Balaramayagar Nagar, AnnaSalai, Chennai 600006

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TEST REPORT

ULR NO:TC858224000004166F

Report No. : EN24060475

Name of the Client : Dalmia Bharath Green Vision Ltd

Address of the Client : Unit : Mecnakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 04-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 05-Jun-2024 12:14 PM

Sampling Location : Near WTP Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 56% Report Date : 25-Jun-2024

Temperature : 32°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	14.6	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	24.9	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	61.5	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	24.1	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.05)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, 46/1, 1st FL Floor, Sri Sathya Complex/Aurangzeb Street, Balinnywayal/Manjeri, Arumbakkam/Chennai-600105

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TEST REPORT

Report No. : EN24060474



ULR NO:TC85822400004165F

Name of the Client : Dalmia Bharath Green Vision Ltd

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 04-Jun-2024 12:14 PM

Sample Description : Ambient Air Quality Sampling To : 05-Jun-2024 12:14 PM

Sampling Location : Clinker Silo Received Date : 14-Jun-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 14-Jun-2024

Sample Condition : Good Completed On : 24-Jun-2024

Humidity : 56% Report Date : 25-Jun-2024

Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV

Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	10.7	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	22.5	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	55.9	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	22.5	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22) :2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter

End of Report

Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD - 1st Floor, Six India Complex, Hyderabad Street, Balasubrahmanyapuram, Arcembakkam Chennai-600104

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TEST REPORT



Report No. : EN24090701

ULR No : TC858224000007966F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Sep-2024 04:20 PM
 Sample Description : Ambient Air Quality Sampling To : 25-Sep-2024 04:20 PM
 Sampling Location : Near HR Complex Received Date : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 27-Sep-2024
 Sample Condition : Fit for Analysis Completed On : 20-Oct-2024
 Humidity : 59% Report Date : 22-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ - 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ - 0.03)	GL/EN/INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	30.4	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ - 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	51.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	20.4	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	17.3	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ - 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ - 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ - 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ - 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ - 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt.Ltd, #6/1, 1 St Floor, Sri Jothi Complex Murugesan Street, Dalavirayagan Nagar, Wombakkam Chennai-600106

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TEST REPORT

ULR No : TC858224000007967F

Report No. : EN24090702

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudhunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Sep-2024 04:30 PM
 Sample Description : Ambient Air Quality Sampling To : 25-Sep-2024 04:30 PM
 Sampling Location : Near Barrack Received Date : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 27-Sep-2024
 Sample Condition : Fit for Analysis Completed On : 20-Oct-2024
 Humidity : 60% Report Date : 22 -Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	31.8	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	59.7	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	26.2	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	19.9	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

End of Report

Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/1, 1st Floor, Sri Jothi Complex Murugesan Street, Balasivayagar Nagar, Anaimalai (Tamil Nadu) 600106

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TEST REPORT

URL NO: TC858224000005939F

Report No. : EN24080868

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 23-Aug-2024 08:30 AM
 Sample Description : Ambient Air Quality Sampling To : 24-Aug-2024 08:30 AM
 Sampling Location : HR Office Received Date : 26-Aug-2024
 Sample Submission Type : Submitted Samples Commenced On : 26-Aug-2024
 Sample Condition : Fit for Analysis Completed On : 04-Sep-2024
 Humidity : 58% Report Date : 06-Sep-2024
 Temperature : 33°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	20.3	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	51.5	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	23.1	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	10.5	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

Remarks: The Above Sample Conforms as per NAAQS Limits which is provided in the environmental Protection Rule 3 (3B), Nov 2009, against the above tested parameter.

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER



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TEST REPORT

URL NO: TC85822400005938F

Report No. : EN24080867

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalll Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 22-Aug-2024 10:00 AM
 Sample Description : Ambient Air Quality Sampling To : 23-Aug-2024 10:00 AM
 Sampling Location : Clinker Silo Received Date : 26-Aug-2024
 Sample Submission Type : Submitted Samples Commenced On : 26-Aug-2024
 Sample Condition : Fit for Analysis Completed On : 04-Sep-2024
 Humidity : 58% Report Date : 06-Sep-2024
 Temperature : 32°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN/INS/SOP/019	NA
3	Nitrogen dioxide as NO2	µg/m3	31.2	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	57.7	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	26.6	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	18.6	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 27): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

Remarks: The Above Sample Conforms as per NAAQS Limits which is provided in the environmental Protection Rule 3 (3B) Nov.2009, against the above tested parameter.

End of Report

Verified By

Authorized Signature
E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

URL NO: TC85822400005937F

Report No. : EN24080866

Name of the Client : Dalmia Bharath Green Vision Ltd

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 19-Aug-2024 10:00 AM

Sample Description : Ambient Air Quality Sampling To : 20-Aug-2024 10:00 AM

Sampling Location : WTP Received Date : 26-Aug-2024

Sample Submission Type : Submitted Samples Commenced On : 26-Aug-2024

Sample Condition : Fit for Analysis Completed On : 04-Sep-2024

Humidity : 59% Report Date : 06-Sep-2024

Temperature : 32°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ - 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ - 0.03)	GL/EN/SOP/609	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	34.1	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ - 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	59.8	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	28.5	GL/EN/SOP/662	60
7	Sulphur Dioxide as SO ₂	µg/m ³	15.6	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ - 4.0)	GL/EN/SOP/608	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ - 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ - 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ - 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ - 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

Remarks: The Above Sample Conforms as per NAAQS Limits which is provided in the environmental Protection Rule 3 (3B),Nov.2009,against the above tested parameter.

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

URL NO: TC85822400005935F

Report No. : EN24080864

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A, 3B, upathar main road, mulliseval, Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 12-Aug-2024 10:00 AM
 Sample Description : Ambient Air Quality Sampling To : 13-Aug-2024 10:00 AM
 Sampling Location : WTP Received Date : 26-Aug-2024
 Sample Submission Type : Submitted Samples Commenced On : 26-Aug-2024
 Sample Condition : Fit for Analysis Completed On : 04-Sep-2024
 Humidity : 59% Report Date : 06-Sep-2024
 Temperature : 33°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	24.6	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	51.6	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	23.8	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	13.3	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

Remarks: The Above Sample Conforms as per NAAQS Limits which is provided in the environmental Protection Rule 3 (30), Nov. 2009, against the above tested parameter.

End of Report

Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24080863

ULR NO: TC85822400005934F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A, 3B, upathar main road, mulliseval, Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 10-Aug-2024 10:00 AM
 Sample Description : Ambient Air Quality Sampling To : 11-Aug-2024 10:00 AM
 Sampling Location : Clinker Silo Received Date : 26-Aug-2024
 Sample Submission Type : Submitted Samples Commenced On : 26-Aug-2024
 Sample Condition : Fit for Analysis Completed On : 04-Sep-2024
 Humidity : 58% Report Date : 06-Sep-2024
 Temperature : 32°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	18.3	IS 5182 (Part 5): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	47.2	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	22.5	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	8.6	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

Remarks: The Above Sample Conforms as per NAAQS Limits which is provided in the environmental Protection Rule 3 (3D), Nov. 2009, against the above tested parameter.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
 LAB MANAGER

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TEST REPORT

Report No. : EN24080862

ULR NO: TC858224000005933F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit - Meemkshi Cement Works, P.NO 66/3A,3B,upathur main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 08-Aug-2024 10:30 AM
 Sample Description : Ambient Air Quality Sampling To : 09-Aug-2024 10:30 AM
 Sampling Location : Barrack Received Date : 26-Aug-2024
 Sample Submission Type : Submitted Samples Commenced On : 26-Aug-2024
 Sample Condition : Fit for Analysis Completed On : 04-Sep-2024
 Humidity : 58% Report Date : 06-Sep-2024
 Temperature : 32°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 19): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	27.8	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	56.2	IS 5182 (Part 21): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	27.4	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	15.3	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

Remarks: The Above Sample Conforms as per NAAQS Limits which is provided in the environmental Protection Rule 3 (3B), Nov. 2009 against the above tested parameter.

End of Report

Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24070885

ULR NO: TC858224000005314F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 17-Jul-2024 02:30 PM
 Sample Description : Ambient Air Quality Sampling To : 18-Jul-2024 02:30 PM
 Sampling Location : Barrack Received Date : 25-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 25-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 01-Aug-2024
 Humidity : 59 % Report Date : 02-Aug-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	27.2	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	52.2	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	23.1	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	16.8	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/09	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter.

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

ULR NO: TC85822400005309F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 14-Jul-2024 1:20 PM
 Sample Description : Ambient Air Quality Sampling To : 15-Jul-2024 1:20 PM
 Sampling Location : Clinker Silo Received Date : 25-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commence On : 25-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 01-Aug- 2024
 Humidity : 57 % Report Date : 02-Aug-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10) :1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	19.6	IS 5182 (Part 6) : 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9) : 1974	100
5	Particulate Matter (PM10)	µg/m3	61.5	IS 5182 (Part 23) : 2006	100
6	Particulate Matter (PM2.5)	µg/m3	25.8	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	15.3	IS 5182 (Part 2) : 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22) :2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24070883

ULR NO: TC85822400005312F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Satur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 09-Jul-2024 12:45 PM
 Sample Description : Ambient Air Quality Sampling To : 10-Jul-2024 12:45 PM
 Sampling Location : WTP Received Date : 25-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 25-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 01-Aug-2024
 Humidity : 60 % Report Date : 02-Aug-2024
 Temperature : 33°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	25.0	IS 5182 (Part 6) 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	62.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	31.6	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	16.6	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22) :2014	1
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

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 parameter.

End of Report

Verified By

Authorized Signature
E. PRITHVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, 86/2, 3, 4, 5th Floor, 5th ERTS, Complex Marudheeran Street, Dalavoyyapatti, Madurai, Tamil Nadu, India. / 04462240000

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TEST REPORT

Report No. : EN24070882

ULR NO: TC85822400005311F

Name of the Client : Dalmia Bharathi Green Vision Ltd

Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
Railway Station, Sattur Taluk, Virudunagar Dist-626205

Sample Name : Ambient Air Quality Sampling From : 08-Jul-2024 11:40 AM

Sample Description : Ambient Air Quality Sampling To : 09-Jul-2024 11:40 AM

Sampling Location : HR Office Received Date : 25-Jul-2024

Sample Submission Type : Collected by Lab Representative Commenced On : 25-Jul-2024

Sample Condition : Fit for Analysis Completed On : 01-Aug-2024

Humidity : 58 % Report Date : 02-Aug-2024

Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	28.0	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	51.5	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	27.7	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	16.3	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter.

End of Report

Verified By

Authorized Signature
E PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24070881

ULR NO: TC858224000005310F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 05-Jul-2024 11:20 AM
 Sample Description : Ambient Air Quality Sampling To : 06-Jul-2024 11:20 AM
 Sampling Location : Barrack Received Date : 25-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 25-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 01-Aug-2024
 Humidity : 58 % Report Date : 02-Aug-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ - 1.1)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ - 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	20.6	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	55.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	28.8	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	11.5	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ - 1.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ - 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note: BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24070884

ULR NO: TC858224000005313F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 01-Jul-2024 10:30 AM
 Sample Description : Ambient Air Quality Sampling To : 02-Jul-2024 10:30 AM
 Sampling Location : Clinker Silo Received Date : 25-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 25-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 01-Aug-2024
 Humidity : 59 % Report Date : 02-Aug-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	29.0	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	59.6	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	29.7	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	18.3	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note: - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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 parameter.

End of Report

5.5
Verified By

Authorized Signature

E PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd. #6/11, 5th floor, Sri Jothi Complex, Arumbakkam Street, Rullivirayal Nagar, Arumbakkam Chennai 600016.

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TEST REPORT



Report No. : EN24070168

ULR NO: TC85822400005319F

Name of the Client : Dalmia Bharath Green Vision Ltd
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Jun-2024 11:20 AM
 Sample Description : Ambient Air Quality Sampling To : 25-Jun-2024 11:20 AM
 Sampling Location : Clinker Silo Received Date : 03-Jul-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 03-Jul-2024
 Sample Condition : Fit for Analysis Completed On : 08-Jul-2024
 Humidity : 56 % Report Date : 09-Aug-2024
 Temperature : 37°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN/INS/SOP/009	1
3	Nitrogen dioxide as NO2	µg/m3	25.7	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1979	100
5	Particulate Matter (PM10)	µg/m3	59.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	29.1	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	11.4	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	5
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	20
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	6
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/051	400

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 parameter.

Note: - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

Verified By

End of Report

Authorized Signature
E. PRITHIVISAIAN
LAB MANAGER

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TEST REPORT



ULR NO: TC85822400006748F

Report No. : EN24100193

Name of the Client : Dalmia-Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit: Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 11:20 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 11:20 AM
 Sampling Location : WTP Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN/INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	29.7	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	51.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	20.3	GL/EN/SOP/067	60
7	Sulphur Dioxide as SO2	µg/m3	13.5	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

End of Report

Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #5/2,1 St Floor, Sri Jothi Complex Murugesan Street, Rajavendras Nagar, Arumbakkam Chennai 600106

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TEST REPORT

ULR NO: TC85822400006747F

Report No. : EN24100192

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nall
 Railway Station, Sattur Taluk, Virudhunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 11:15 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 11:15 AM
 Sampling Location : HR Complex Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	27.7	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	59.7	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	28.2	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	14.3	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, #5/1, 1st Floor, Sri Jothi Complex Murugesan Street, Galvan Nagar, Arumbakkam Chennai-600106

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TEST REPORT



ULR NO: TC858224000006746F

Report No. : EN24100191

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, malliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 10:00 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 10:00 AM
 Sampling Location : Barrack Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10) : 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	28.8	IS 5182 (Part 6) : 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9) : 1974	100
5	Particulate Matter (PM10)	µg/m ³	61.1	IS 5182 (Part 23) : 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	29.5	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	20.2	IS 5182 (Part 2) : 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22) : 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

ULR NO: TC85822400006745F

Report No. : EN24100190

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 11:00 AM
Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 11:00 AM
Sampling Location : WTP Received Date : 04-Oct-2024
Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
Humidity : 60% Report Date : 14-Oct-2024
Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	25.1	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	58.8	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	21.4	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	16.6	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

End of Report

S. S. S.
Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, 86/1, 1st Floor, Sri Lath Complex Murugesan Street, Balawidayagar Nagal, Arumbakkam Chennai 600116

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TEST REPORT

ULR NO: TC858224000006744F

Report No. : EN24100189

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit - Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 10:30 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 10:30 AM
 Sampling Location : Clinker Silo Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	26.5	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	51.5	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	24.8	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	17.2	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

S. S. S.
Verified By

End of Report

Authorized Signature

E. PRITHIVIDASAN
MANAGER

GLENS INNOVATION LABS Pvt Ltd, R6/1, 1 St Floor, Sri Jothi Complex Nizhugesan Street, Sakethinagar Nagar, Virudhachalam Chennai 600102

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TEST REPORT

ULR NO: TC85822400006743F

Report No. : EN24100188

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
 Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 27-Sep-2024 10:50 AM
 Sample Description : Ambient Air Quality Sampling To : 28-Sep-2024 10:50 AM
 Sampling Location : HR Complex Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10) : 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	24.3	IS 5182 (Part 6) : 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9) : 1974	100
5	Particulate Matter (PM10)	µg/m ³	54.4	IS 5182 (Part 23) : 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	26.6	GL/EN/SOP/002	60
7	Sulphur Dioxide as SO ₂	µg/m ³	15.5	IS 5182 (Part 2) : 2011	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/008	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22) : 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/3, 1st Floor, Sri Jothi Complex Murugesan Street, Balavinsayagar Nagar, Arambakkam Chennai-600106

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TEST REPORT

Report No. : EN24090698

ULR No : TC85822400007968F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Stack Monitoring Sampling Date : 25-Sep-2024
 Sample Description : Stack Monitoring Received Date : 27-Sep-2024
 Sampling Location : Cement Mill Commenced On : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Completed On : 04-Oct-2024
 Sample Condition : Fit for Analysis Report Date : 06-Oct-2024
 Sampling Plan and Method : GL/EN/SOP/111



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Limit as per CPCB Standard
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	GL/EN/SOP/149	NA
2	Carbon Dioxide as CO2	%	0.2	GL/EN/SOP/149	NA
3	Gaseous Discharge	Nm3/hr	339986.0	IS 11255 (Part 3) 2018	NA
4	Oxides of Nitrogen as NOx	mg/m3	BLQ(LOQ : 2.0)	GL/EN/SOP/149	NA
5	Oxygen as O2	%	20.8	GL/EN/SOP/149	NA
6	Particulate Matter	mg/Nm3	13.10	GL/EN/SOP/113	150
7	Stack Temperature	K	368	IS 11255 (Part 3) 2018	NA
8	Velocity	m/sec	9.89	EPA method 1-3	NA
9	Moisture Content	%	2.9	EPA Method 1-3	NA
10	Sulphur Dioxide as SO2	mg/m3	BLQ(LOQ : 3.0)	EPA Method 6	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

Remarks: The above sample complies as per CPCB norms with respect to the above tested parameters.

End of Report

S. Sanyal
Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24090699

ULR No : TC85822400007964F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meevakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Sep-2024 04:00 PM
 Sample Description : Ambient Air Quality Sampling To : 25-Sep-2024 04:00 PM
 Sampling Location : Near Clinker Silo Received Date : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 27-Sep-2024
 Sample Condition : Fit for Analysis Completed On : 20-Oct-2024
 Humidity : 64% Report Date : 22-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	16.2	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	27.4	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	55.9	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	24.4	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/1, 2 St Floor, Sri Jothi Complex Mullugesari Street, Balakrishnan Nagar, Arumbakkam Chennai 600105

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TEST REPORT

Report No. : EN24090700

ULR No : TC858224000007965F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
 Railway Station, Sattur Taluk, Virudhunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Sep-2024 04:10 PM
 Sample Description : Ambient Air Quality Sampling To : 25-Sep-2024 04:10 AM
 Sampling Location : Near WTP Received Date : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 27-Sep-2024
 Sample Condition : Fit for Analysis Completed On : 20-Oct-2024
 Humidity : 60% Report Date : 22-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	29.7	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	54.5	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	27.2	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	18.8	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	LO
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/1, 1st Floor, S/L (Juthi) Complex Murugesan Street, Balasubramanyam Nagar, Anumbakkam Chennai 600106

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TEST REPORT

ULR NO: TC85822400006748F

Report No. : EN24100193

Name of the Client : Dalmia-Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit: Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 11:20 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 11:20 AM
 Sampling Location : WTP Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN/INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	29.7	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	51.4	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	20.3	GL/EN/SOP/067	60
7	Sulphur Dioxide as SO ₂	µg/m ³	13.5	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

S. S.
 Verified By

End of Report

E. Prithvirajan
 Authorized Signature

E. PRITHVIRAJAN
 LAB MANAGER

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TEST REPORT

ULR NO: TC85822400006747F

Report No. : EN24100192

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nall
 Railway Station, Sattur Taluk, Virudhunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 11:15 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 11:15 AM
 Sampling Location : HR Complex Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ: 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ: 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	27.7	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ: 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	59.7	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	28.2	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	14.3	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ: 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ: 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ: 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ: 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ: 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

End of Report

Verified By

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS PVT LTD, #5/1, 1st Floor, Sri Jothi Complex Murugesan Street, Galvinswager Nagar, Arumbakkam Chennai-600106

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TEST REPORT



ULR NO: TC858224000006746F

Report No. : EN24100191

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, malliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 10:00 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 10:00 AM
 Sampling Location : Barrack Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10) : 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	28.8	IS 5182 (Part 6) : 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9) : 1974	100
5	Particulate Matter (PM10)	µg/m3	61.1	IS 5182 (Part 23) : 2006	100
6	Particulate Matter (PM2.5)	µg/m3	29.5	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	20.2	IS 5182 (Part 2) : 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22) : 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

ULR NO: TC85822400006745F

Report No. : EN24100190

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Naffi Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 11:00 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 11:00 AM
 Sampling Location : WTP Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m3	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO2	µg/m3	25.1	IS 5182 (Part 6): 2006	80
4	Ozone as O3	µg/m3	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m3	58.8	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m3	21.4	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO2	µg/m3	16.6	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m3	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m3	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m3	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH3	µg/m3	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

End of Report

S. S. S.
Verified By

Authorized Signature

E. PRITHVIRAJAN
LAB MANAGER

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TEST REPORT

ULR NO: TC858224000006744F

Report No. : EN24100189

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit - Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 29-Sep-2024 10:30 AM
 Sample Description : Ambient Air Quality Sampling To : 30-Sep-2024 10:30 AM
 Sampling Location : Clinker Silo Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	26.5	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	51.5	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	24.8	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	17.2	IS 5182 (Part 2): 2017	80
8	Benzene (C6H6)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

S. S. S.
Verified By

End of Report

Authorized Signature

E. PRITHIVIDASAN
MANAGER

GLENS INNOVATION LABS Pvt Ltd, R6/1, 1 St Floor, Sri Jothi Complex Nizhugesan Street, Sakavinaagar Nagar, Virudhachalam Chennai 620002

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TEST REPORT

ULR NO: TC85822400006743F

Report No. : EN24100188

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
 Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 27-Sep-2024 10:50 AM
 Sample Description : Ambient Air Quality Sampling To : 28-Sep-2024 10:50 AM
 Sampling Location : HR Complex Received Date : 04-Oct-2024
 Sample Submission Type : Submitted Samples Commenced On : 04-Oct-2024
 Sample Condition : Fit for Analysis Completed On : 10-Oct-2024
 Humidity : 60% Report Date : 14-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10) : 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	24.3	IS 5182 (Part 6) : 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9) : 1974	100
5	Particulate Matter (PM10)	µg/m ³	54.4	IS 5182 (Part 23) : 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	26.6	GL/EN/SOP/002	60
7	Sulphur Dioxide as SO ₂	µg/m ³	15.5	IS 5182 (Part 2) : 2011	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/008	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22) : 2014	1.0
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22) : 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/3, 1st Floor, Sri Jothi Complex Murugesan Street, Balavinsayagar Nagar, Arumbakkam Chennai-600106

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TEST REPORT

Report No. : EN24090698

ULR No : TC85822400007968F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudunagar Dist-626205
 Sample Name : Stack Monitoring Sampling Date : 25-Sep-2024
 Sample Description : Stack Monitoring Received Date : 27-Sep-2024
 Sampling Location : Cement Mill Commenced On : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Completed On : 04-Oct-2024
 Sample Condition : Fit for Analysis Report Date : 06-Oct-2024
 Sampling Plan and Method : GL/EN/SOP/111



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Limit as per CPCB Standard
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m3	BLQ(LOQ : 1.14)	GL/EN/SOP/149	NA
2	Carbon Dioxide as CO2	%	0.2	GL/EN/SOP/149	NA
3	Gaseous Discharge	Nm3/hr	339986.0	IS 11255 (Part 3) 2018	NA
4	Oxides of Nitrogen as NOx	mg/m3	BLQ(LOQ : 2.0)	GL/EN/SOP/149	NA
5	Oxygen as O2	%	20.8	GL/EN/SOP/149	NA
6	Particulate Matter	mg/Nm3	13.10	GL/EN/SOP/113	150
7	Stack Temperature	K	368	IS 11255 (Part 3) 2018	NA
8	Velocity	m/sec	9.89	EPA method 1-3	NA
9	Moisture Content	%	2.9	EPA Method 1-3	NA
10	Sulphur Dioxide as SO2	mg/m3	BLQ(LOQ : 3.0)	EPA Method 6	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification

Remarks: The above sample complies as per CPCB norms with respect to the above tested parameters.

End of Report

S. Sanyal
Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

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TEST REPORT

Report No. : EN24090699

ULR No : TC85822400007964F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meevakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli Railway Station, Sattur Taluk, Virudhunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Sep-2024 04:00 PM
 Sample Description : Ambient Air Quality Sampling To : 25-Sep-2024 04:00 PM
 Sampling Location : Near Clinker Silo Received Date : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 27-Sep-2024
 Sample Condition : Fit for Analysis Completed On : 20-Oct-2024
 Humidity : 64% Report Date : 22-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Sulphur Dioxide as SO ₂	µg/m ³	16.2	IS 5182 (Part 2): 2017	80
2	Nitrogen dioxide as NO ₂	µg/m ³	27.4	IS 5182 (Part 6): 2006	80
3	Particulate Matter (PM10)	µg/m ³	55.9	IS 5182 (Part 23): 2006	100
4	Particulate Matter (PM2.5)	µg/m ³	24.4	GL/EN/SOP/062	60
5	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
6	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	1.0
7	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
8	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400
9	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
10	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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

Authorized Signature

E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/1,2 St Floor, Sri Jothi Complex Mullugesari Street, Balakrishnan Nagar, Arumbakkam Chennai 600105

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TEST REPORT

Report No. : EN24090700

ULR No : TC858224000007965F

Name of the Client : Dalmia Bharath Green Vision Ltd -Virudhunagar
 Address of the Client : Unit : Meenakshi Cement Works, P.NO 66/3A,3B,upathar main road, mulliseval,Nalli
 Railway Station, Sattur Taluk, Virudhunagar Dist-626205
 Sample Name : Ambient Air Quality Sampling From : 24-Sep-2024 04:10 PM
 Sample Description : Ambient Air Quality Sampling To : 25-Sep-2024 04:10 AM
 Sampling Location : Near WTP Received Date : 27-Sep-2024
 Sample Submission Type : Collected by Lab Representative Commenced On : 27-Sep-2024
 Sample Condition : Fit for Analysis Completed On : 20-Oct-2024
 Humidity : 60% Report Date : 22-Oct-2024
 Temperature : 34°C Sampling Plan and Method : IS 5182 Part V & XIV



Test Results

S. No.	Parameters	Units	Results Obtained	Test Method	Requirement as per NAAQS Specification
Discipline: Chemical					
Group: Atmospheric Pollution					
1	Carbon Monoxide as CO	mg/m ³	BLQ(LOQ : 1.14)	IS 5182 (Part 10): 1999	4.0
2	Benzo (a) Pyrene (Particulate Phase)	ng/m ³	BLQ(LOQ : 0.03)	GL/EN-INS/SOP/009	NA
3	Nitrogen dioxide as NO ₂	µg/m ³	29.7	IS 5182 (Part 6): 2006	80
4	Ozone as O ₃	µg/m ³	BLQ(LOQ : 20)	IS 5182 (Part 9): 1974	100
5	Particulate Matter (PM10)	µg/m ³	54.5	IS 5182 (Part 23): 2006	100
6	Particulate Matter (PM2.5)	µg/m ³	27.2	GL/EN/SOP/062	60
7	Sulphur Dioxide as SO ₂	µg/m ³	18.8	IS 5182 (Part 2): 2017	80
8	Benzene (C ₆ H ₆)	µg/m ³	BLQ(LOQ : 4.0)	GL/EN/SOP/08	NA
9	Lead as Pb	µg/m ³	BLQ(LOQ : 0.002)	IS 5182 (Part 22): 2014	LO
10	Nickel as Ni	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
11	Arsenic as As	ng/m ³	BLQ(LOQ : 2.0)	IS 5182 (Part 22): 2014	NA
12	Ammonia as NH ₃	µg/m ³	BLQ(LOQ : 20)	GL/EN/SOP/057	400

Note:- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification.

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.

End of Report

Verified By

Authorized Signature
E. PRITHIVIRAJAN
LAB MANAGER

GLENS INNOVATION LABS Pvt Ltd, #6/1, 1st Floor, S/L (Juthi) Complex Murugesan Street, Balasubramanyam Nagar, Anumbakkam Chennai 600106

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TEST REPORT



ULR No : TC858224000006015F- 06024F

Report No : EN24080375 to 0384 **Report Date** : 13 Aug 2024

Customer Name : Dalmia Bharat Green Vision Limited

Customer Address : Meenakshi Cement Works, P.No. 66/3A, 3B, Mulliseval Village,
Uppathur Main Road, Near Nalli Railway station, Sattur Taluk,
Virudhunagar District. 626205

Sample Description : Ambient Noise

Sample No : EN24080375 to 0384

Sampling Procedure : IS 9989:1981

Sampling Date : 08 Aug 2024

Sample Received on : 10 Aug 2024

Test Results

S.No	Sample Location	Noise Level dB(A)	
		Day	Night
1	Near Gate Complex	56.6	50.4
2	Near Canteen area	51.5	47.2
3	Near BRU	59.6	51.6
4	Near Workshop Area	55.6	50.2
5	Admin Building	56	49.2
6	Near FBC	58	51.3
7	Fly Ash Compressor	62	55.4
8	Compressor Area	62.5	54.2
9	Near Store Room	52	46.4
10	Near additive Area	53.6	48.6

Limit Set by CPCB:

I) Industrial Area	: Day Time-75 dB (A);	Night Time-70 dB (A)
II) Commercial Area	: Day Time-65 dB (A);	Night Time-55 dB (A)
III) Residential Area	: Day Time-55 dB (A);	Night Time-45 dB (A)
IV) Silence Area	: Day Time-50 dB (A);	Night Time-40 dB (A)

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TEST REPORT

ULR NO: TC858224000005320F- TC858224000005329F

Report No : EN24070206 to 0215 Report Date : 06 July 2024

Customer Name : Dalmia Bharat Green Vision Limited

Customer Address : Meenakshi Cement Works, P.No. 66/3A, 3B, Mulliseval Village, Uppathur Main Road, Near Nalli Railway station, Santur Taluk, Virudhunagar District. 626205

Sample Description : Ambient Noise

Sample No : EN24070206 to 0215

Sampling Procedure : IS 9989:1981

Sampling Date : 03 July 2024

Sample Received on : 04 July 2024

Test Completed on : 05 July 2024

Test Results

S.No	Sample Location	Noise Level dB(A)	
		Day	Night
1	Near Gate Complex	60.4	52.7
2	Near Canteen area	61.7	54.8
3	Near BRU	68.1	57.6
4	Near Workshop Area	56.2	47.3
5	Admin Building	53.9	46.8
6	Near FBC	61.9	52.1
7	Fly Ash Compressor	64.1	55.8
8	Compressor Area	66.2	55.9
9	Near Store Room	54.7	47.9
10	Near additive Area	62.6	56.4

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- CPCB:
- I) Industrial Area
 - II) Commercial Area
 - III) Residential Area
 - IV) Silence Area

- : Day Time-75 dB (A); Night Time-70 dB (A)
- : Day Time-65 dB (A); Night Time-55 dB (A)
- : Day Time-55 dB (A); Night Time-45 dB (A)
- : Day Time-50 dB (A); Night Time-40 dB (A)

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TEST REPORT

ULR NO:TC858224000004174F TO 4184F

Report No : EN24060484 to 0493 **Report Date** : 25 June 2024
Customer Name : Dalmia Bharat Green Vision Limited
Customer Address : Meenakshi Cement Works, P.No. 66/3A, 3B, Mulliseval Village,
Uppathur Main Road, Near Nalli Railway station, Sattur Taluk,
Virudhunagar District, 626205
Sample Description : Ambient Noise
Sample No : EN24060484 to 0493
Sampling Procedure : IS 9989:1981
Sampling Date : 14 June 2024
Sample Received on : 14 June 2024

Test Results

S.No	Sample Location	Noise Level dB(A)	
		Day	Night
1	Near Gate Complex	47.90	41.70
2	Near Canteen area	48.50	40.30
3	Near BRU	83.60	70.90
4	Near Workshop Area	84.10	71.60
5	Admin Building	50.70	42.10
6	Near FBC	60.90	52.40
7	Fly Ash Compressor	56.30	43.70
8	Compressor Area	65.10	53.60
9	Near Store Room	52.50	43.10
10	Near additive Area	54.20	47.80

Limit Set by CPCB:

I) Industrial Area : Day Time-75 dB (A); Night Time-70 dB (A)
II) Commercial Area : Day Time-65 dB (A); Night Time-55 dB (A)
III) Residential Area : Day Time-55 dB (A); Night Time-45 dB (A)
IV) Silence Area : Day Time-50 dB (A); Night Time-40 dB (A)

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