

ARY/MoEF/Cement & CPP/EC/25-26/36

To
The Director
Ministry of Environment, Forest and Climate Change
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road, Nungambakkam,
Chennai – 600 006.

Respected Sir,

Sub: Half Yearly Environmental Clearance Compliance Report – Oct'24 to Mar'25 of Dalmia Cement (Bharat) Limited, Govindapuram and Ottakovil Village, Ariyalur.

Ref: F.No J-11011/751/2007-IA II(I), dated 19.06.2008.

We hereby submit the Half yearly environmental clearance compliance report for “**Cement & Captive Power Plant**” along with the following annexures for the period from October 2024 to March 2025.

- a) Summary report of Stack emission & Noise monitoring – Annexure: 1
- b) Summary of Ambient air quality – Annexure: 2
- c) Ambient Air quality survey report from NABL accredited lab – Annexure:3
- d) Green belt development & Solar Plant – Annexure: 4
- e) Ground water clearances from State Ground and Surface Water Resources Data Centre – Annexure: 5
- f) CSR activities – Annexure: 6
- g) Environmental Clearance published in Newspapers – Annexure: 7
- h) Stack emission real time data display in entry gate – Annexure: 8
- i) Awards & Accolades – Annexure: 9

Kindly acknowledge the receipt of the same.

Thanking you

Yours faithfully

For Dalmia Cement (Bharat) Limited, Ariyalur


Priya Ranjan
Unit Head

Encl: As stated above.

- CC:** 1. The Joint Chief Environmental Engineer, TNPCB, Trichy – 620 015.
2. The District Environmental Engineer, TNPCB, Ariyalur – 621 707.

Dalmia Cement (Bharat) Limited

Thamaraikulam, Ariyalur - 621 705, Tamil Nadu, India.

W www.dalmiacement.com CIN : U65191TN1996PLC035963

Registered Office : Dalmiapuram, Dist. Tiruchirappalli - 621 651, Tamil Nadu, India.

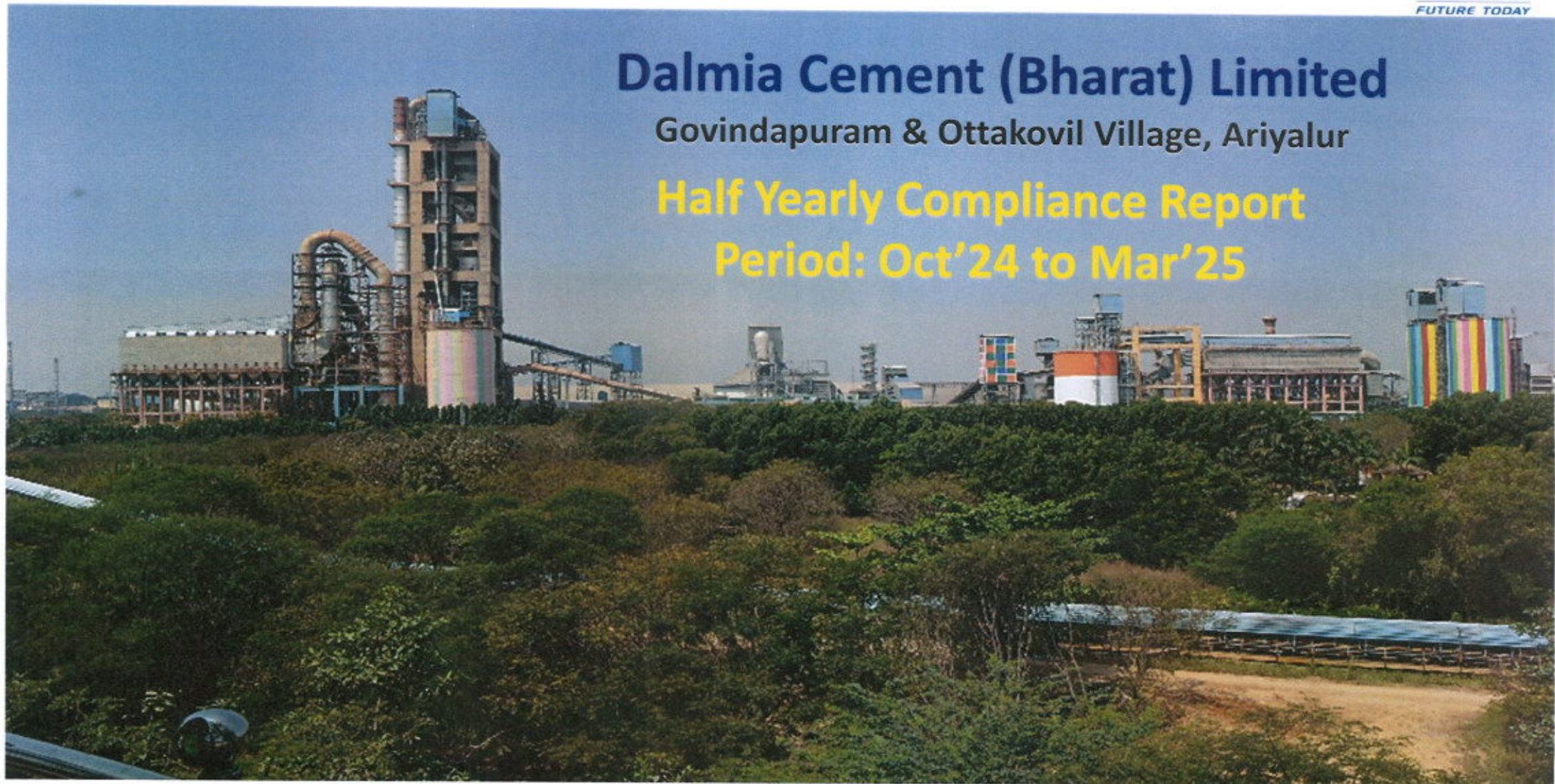
A **Dalmia Bharat Group** company. www.dalmiabharat.com

Dalmia Cement (Bharat) Limited

Govindapuram & Ottakovil Village, Ariyalur

Half Yearly Compliance Report

Period: Oct'24 to Mar'25



Dalmia Cement (Bharat) Limited, Ariyalur

Status of compliance stipulated in Environmental Clearances
(For the period of October 2024 to March 2025)

Ref: MoEF Letter No J-11011/751/2007-IA II (I) dated 19th June, 2008

Sl. No	Conditions	Compliance
A	Specific Conditions	
i	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided and limit of SPM shall be controlled by installing adequate air pollution control system Viz. Electrostatic precipitator (ESP) to cooler and captive power plant and bag house /bag filters etc. to other plants within 50 mg/Nm ³ from the cement plant and 100 mg/Nm ³ from captive Power Plant and data submitted to the Ministry's regional office at Bangalore, TNPCB and CPCB regularly. Raw meal, Clinker and fly ash shall be stored in silos.	Complied with. Installed Online Continuous Emission Monitoring Systems in all stacks (Raw mill/kiln, Coal mill, Cooler, Cement mill- I & II & Boiler of power plant), Gaseous monitoring system in Raw mill/Kiln stack & Power Plant and following air pollution control systems were installed & maintained to control the emission levels well within the limits of 30 & 50 mg/Nm ³ . 1. Kiln/Preheater - Bag house, 2. Coal mill - Bag house, 3. Cooler - ESP, 4. Cement mill I & II - Bag house & 5. CPP- ESP. Stack monitoring is being carried manually every month and Quarterly through NABL accredited labs and half yearly by TNPCB. The Monitoring report is being submitted regularly to MoEF on half yearly basis & to TNPCB on monthly basis. Raw meal, clinker and dry fly ash were stored in concrete silos. Refer Annexure: I for Ambient Air Quality, Fugitive Emission & Stack emission report from NABL accredited lab.
ii	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines/code of practice issued by the CPCB in this regard should be followed. The Company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw material handling (unloading, conveying, transporting, stacking), Vehicular movement, bagging and packing areas etc. Asphaltting/concreting of roads and water spray all	Complied with. Secondary fugitive emissions are controlled by providing closed conveyors and storage sheds. Quarterly fugitive emission monitored through accredited labs. Fugitive emission guidelines issued by CPCB is been complied with. Dust extraction system provided at transfer points, raw material handling (Unloading, conveying, transporting, stacking) and Cement packing areas to control fugitive dust. Water sprinkling carried out around stockyard, loading & unloading area, haul roads and other predominant places to control fugitive dust. Water fog system installed in the packing plant to reduce fugitive emissions through vehicle movement. Automatic Tyre washer system installed near the crusher parking yard to eliminate the slurry materials carry over to the haul roads and

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	around the stockyard and loading /unloading areas shall be carried out to control fugitive emissions. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided.	also reduce the nuisance dust on roads during rainy seasons. Road sweeping carried out through sweeping machines daily. Also vacuum sweeping machines is being used for sweeping spilled cement on shop floor and recycled back. Covered sheds provided for raw materials like crushed limestone, Coal, petcoke, Alternative fuels, Fire clay, gypsum and wet Fly ash. Raw meal, Clinker, Cement & dry Fly ash are stored in silos with bag filters. All belt conveyors were fully closed.
iii	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.	Complied with. We are getting limestone from Perianagalur, Kallakudi, Kovandukuruchi and Periyathirukonam mines and the transportation enroute has some agricultural lands and settlements. However, so far no complaints have been received from the villages on environmental issues. Also, all the raw materials vehicles are covered with tarpaulin cover during transportation.
iv	Total ground water requirement shall not exceed 2,500 m ³ /day. No surface water shall be used. All the treated wastewater treated in a neutralized plant shall be recycled and reused in the cement Plant for cooling purpose and/or for dust suppression, green belt development and other plant related activities etc. No process Waste water shall be discharged outside the factory premises and zero discharge shall be adopted. Domestic treated effluent shall be used for greenbelt development within the plant and colony area.	Complied with. The total ground water requirements not exceed 2500 m ³ /day and the present water consumption is 1600 m ³ /day. No surface water is used for the plant operations. Treated waste water from the neutralization plant is recycled back into cement process and also in the dust suppression. Domestic waste water generated is treated in the STP and treated water is used for gardening purpose. No process water is discharged outside and Zero discharge condition is maintained.
v	Permission for the drawl of 2,500 m ³ /day ground water shall be obtained from the state Ground Water Board/Central Ground Water Authority (SGWB/CGWA) and all the recommendations of the SGWB/ CGWA shall be followed	Complied with. Permission for Ground water withdrawal for 1620 m ³ obtained from State Ground and Surface water resources data center, valid still 21.02.2025. Also, obtained approval for withdrawing 380 m ³ of ground water from State Ground and Surface water resources data center, valid still 19.11.2024 for Solar Power Plant. Renewal application has been submitted to Ground water division and the file is in final stage of approval.
vi	All the cement dust collected from pollution control devices like ESPs, bag house, bag filters etc. shall be recycled and reused	Complied with Cement dust collected from pollution control devices is recycled back in the process. Fly ash from Captive Power Plant is used for

	<p>in the process and used for cement manufacturing Fly Ash from Captive power plant shall be used for manufacturing Pozzolana Portland Cement (PPC). Bottom ash shall be used as boiler bed material. Refractory bricks shall be disposed off in environment-friendly manner. ETP Sludge shall be disposed off at landfill site. STP Sludge shall be used as manure for green belt development. Waste oil and grease and scrapped automobiles batteries shall be sold to authorized recyclers/re-processors only.</p>	<p>making PPC. The bottom ash is collected in form of dry ash and the same is completely used in cement manufacturing. Some portion of refractory bricks is used for garden decoration, developing internal roads and also sold to recyclers. No ETP sludge is generated as neutralization method is adopted and sludge generated from STP is used as manure for green belt development. Used oil & grease generated from the process is collected and disposed to the authorized recyclers and used lead acid batteries is been send back to the manufacturers.</p>
vii	<p>The Project authorities shall adhere to the provisions stipulated in the fly ash Notification, 1999 as amended in 2003.</p>	<p>Complied with. All the fly ash generated from Captive Power Plant is completely used in the cement manufacturing process.</p>
viii	<p>Efforts shall be made to use fly ash maximum in making Pozzolana Portland cement (PPC)</p>	<p>Complied with. The entire fly ash generated is used in the cement manufacturing process. Percentage of fly ash used in all PPC varieties for FY 24-25 is 24.50%.</p>
ix	<p>An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly</p>	<p>Complied with. Installed Full fledged alternative fuel feeding system for Co-Processing Hazardous/Non-hazardous waste in Kiln with Trommel Screen, Shredders, Screens, Magnetic separator, Wind shifters, Extractors, weigh feeder, closed belt conveyor, double flap valve with all safety systems as per the CPCB guidelines. Presently, co-processing Non-Hazardous waste like Plastics, Refuse Derived Fuel, Dry municipal waste, foot ware waste, Biomass, Rubber waste etc and Hazardous waste like Textile ETP Sludge, Oil rags, Solid waste mix from Pre-processing vendors and Pharmaceutical solvents in Cement kiln by getting necessary authorization from TNPCB.</p>
x	<p>Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.</p>	<p>Complied with. Low grade Limestone is blended with High grade limestone and used for Cement manufacturing. Also, co-processing Textile ETP sludge as an alternative raw material for replacement of limestone. Maximum quantity of fly ash is used for manufacturing Pozzolana Portland cement. Further, high calorific value hazardous & non-Hazardous wastes co-processed in the cement kiln</p>

xi	As proposed, green belt shall be developed in 33% area in and around the project site as per as the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO	Complied with. More than 34% of the total area is covered with Green belt. As of Mar'25, 69,980 nos of trees were maintained inside the plant premises in consultation with local DFO initially and with 96% survival rate.		
xii	All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.	Complied with.		
		S.No	Conditions	Compliance
		1	Cement Plants, which are not complying with notified standards, will do the following to meet the standards: • Augmentation of existing Air Pollution Control Devices-by July 2003 • Replacement of existing Air Pollution Control Devices-by July 2004	Air Pollution Control Devices installed & maintained in order to meet the emission norms of <30 mg/Nm ³ . Regular checking of Bags is carried out based on the DP value and if any damage is observed, it is replaced immediately. Also, during every shutdown/stoppage, Bag house chambers is inspected and maintained. In FY 24-25, Cooler ESP all fields additional support given between collecting electrode and in Field 2, 170 nos of Collecting electrode replaced. In RABH, 16 modules water leak test done & leakage arrested. In additional baghouse Fluorescence test done and leakage arrested. Nine Chambers Bags with cage replaced in Cement mill – 1. One Chamber bags replaced in Coal mill.
		2	Cement Plants located in critically	The particulate emissions from

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			<p>polluted or urban areas (including 5km distance outside urban boundary) will meet 100 mg/Nm³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm³</p>	<p>pollution control equipment's designed to meet the emission norms of <30 mg/Nm³. Regular checking of Bags is being carried out based on the DP value and if any damage is observed, it is replaced immediately. Also, during every shutdown/stoppage, Bag house chambers is inspected and maintained.</p>
		3	<p>The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 01.04.2003 will meet the limit of 50 mg/Nm³ for particulate matter emissions</p>	<p>The particulate emissions from pollution control equipment's is within the emission norms of <30 mg/Nm³.</p>
		4	<p>CPCB will evolve load based standards by December 2003.</p>	<p>The Load based emission for Particulate matter from Raw mill, kiln and pre-calciner system put together is less than 0.125 kg/ton of clinker.</p>
		5	<p>CPCB and NCBM will evolve SO₂ and NO_x emission standards by June 2004</p>	<p>The emissions levels of NO_x and SO₂ are well within the standards proposed by CPCB. We also installed Duoplex burner (low NO_x) in kiln main stack</p>
		6	<p>The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December</p>	<p>The fugitive emission is controlled by following initiatives, 1. Most of the area including raw material handling area covered with RCC pavement and</p>

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		<p>2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF will submit its recommendations within three months.</p>	<p>road sweeping carried out using sweeping machines.</p> <p>2. All transfer points are fully closed and fugitives controlled by water spraying or extraction to Bag filters.</p> <p>3. Covered sheds provided for Raw materials like crushed limestone, Imported Coal, petcoke, Alternative fuels, Lignite, Wet Fly ash and Gypsum</p> <p>4. Raw meal, Clinker, Cement and dry fly ash stored in Silos with bag filters.</p> <p>5. Cement packing rotors/machines equipped with dust extraction system with adequate ventilation.</p> <p>Also, we complied with respect to the CPCB guidelines on fugitive emission control vide PROBES/118/2007. dated 06.07.2007.</p>
	7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003.	We are using imported/domestic pet coke in the manufacturing process by obtaining necessary permission apart from imported coal and Lignite as a fuel in cement kiln.
	8	After performance evaluation of various types of continuous monitoring equipment and feedback from the	The Continuous Emission and Effluent monitoring systems has been installed and readings are connected to TNPCB CAREAIR

			industries and equipment manufacturers, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	Centre, Chennai & also to CPCB Server through online. Further, the analyzers are calibrated regularly with respect to their functioning, drift, linearity as per the CPCB guidelines. Last Performance calibration of CEMS carried out in Mar'25.
		9	Tripping in Kiln ESP to be minimized by July 2003 as per the recommendations of NTF	Tripping of ESP is minimized by taking all the necessary precautions like water spraying on flue gas and interlocking system with fan main drive.
		10	Industries will submit the target date to enhance the utilization of waste material by April 2003.	Every monthly the quantity co-processed in kiln is being intimated to TNPCB and yearly to CPCB. Installed Full fledge alternative fuel feeding system for Co-Processing Hazardous/Non-hazardous waste in Kiln with Trommel Screen, Shredders, Screens, Magnetic separator, Wind shifters, Extractors, weigh feeder, closed belt conveyor, double flap valve with all safety systems as per the CPCB guidelines. Co-processing emission monitoring carried out with NABL accredited labs half yearly & reports are summited

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				to TNPCB.
		11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003	High Calorific Hazardous and non-hazardous waste is co-processed/co-incinerated in the cement kiln.
		12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.	Entire cooler hot gas is being used to dry raw materials in vertical raw mill as well as in the vertical cement mill.
xiii	Recommendation of the state forest department regarding impact of proposed plant on surrounding reserve forests Viz. Vannankurichchi RF (9.5Km, E), Sedalaradi RF (14Km, NE), Manager RF(13Km, ESE), Vilangudi RF (14Km, SE) shall be obtained and implemented	Complied with. District forest officer had given NOC stating that there is no rare, endangered or threatened species of the plant and animals in or near the reserved forest. As per discussion with Forest department, the following plants viz Neem, Gulmohar, Casualina, Pungamia Glubra, Cassia, Bouhiania, etc were planted in our plant premises.		
xiv	No operation of the cement plant shall be carried out till the environmental clearance for the mining project is obtained from the ministry of environment and forests and a copy submitted to the ministry's regional office at Bangalore.	Complied with. The Cement plant is commissioned only after obtaining the environmental clearance for Limestone mines. The required limestone is sourced from own mines located at various locations and there is no single captive mine for this project.		
B	General Conditions			
i	The Project authority shall adhere to the stipulations made by T.N. Pollution control Board (TNPCB) and State Government.	Complied with. All the stipulations made by Tamil Nadu Pollution Control Board and State Government is complied.		
ii	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry	Noted and complied with. As per MoEF&CC S.O 980(E) dated 21.03.2021, uploaded the information on PARIVESH Portal on 25.06.2021 & 05.02.2023 for 'No increase in Pollution Load' towards modernization and upgradation of Cement plant for production of Clinker from 2.0 to 2.5 MTPA and Cement from 3.0 to 4.0 MTPA through Debottle neck projects with additional Cement mill & Packer and obtained acknowledgement with Single Window No. SW/1545/2021 & SW/2407/2023 respectively. Further, No Increase in Pollution Load Certificate		



		obtained from TNPCB Pollution Load Assessment Committee vide Lr. No T4/TNPCB/F.0038/ARY/2021, dated 11.03.2022 and amendment Lr.No: T1/TNPCB/F.005599/ARY/Dalmia/2023, dated: 25.07.2023. Accordingly, Consent to Establishment obtained from TNPCB under Air and Water act for modernization & upgradation work and the same has been commissioned by obtaining Consent to Operate – Expansion.
iii	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the T.N. Pollution control Board. At no time, the particulate emissions from the cement plant shall exceed TNPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.	Complied with. Online Emission Monitoring system is installed in all stacks and the monitored data is directly transmitted to Care Air Centre, TNPCB & CPCB. The Gaseous and particulate emissions from all the stacks are well within the prescribed norms. All necessary precautions like maintenance of Bag filters have been taken to ensure that the particulate emissions are within the prescribed limits. Interlock facilities provided. If the emission level of Raw mill/kiln, Cooler, Coal mill, Cement mills, CPP boiler goes above the prescribed norms, the ID fans gets tripped automatically and the unit will be tripped.
iv	One ambient air quality monitoring station shall be installed in downward direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the state authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with TNPCB and report submitted to the TNPCB quarterly and to the Ministry's Regional office at Bangalore - Half yearly	Complied with. Continuous Ambient Air Quality Monitoring Stations have been installed in downwind, leeward and Cross wind direction. Necessary precautions like water spraying, regular cleaning of roads through sweeping machines carried out to control dust levels. Acoustic enclosures provided to control noise levels. Ambient noise, ambient air and stack emission monitoring is being monitored Quarterly through accredited labs. The Monitoring report is being submitted regularly to MoEF on half yearly basis & to TNPCB on monthly basis.
v	The company must harvest the rain water from the rooftops and storm water drains to recharge the ground water and use the same water for the various activities project to conserve fresh water.	Complied with. Roof top rain water harvesting structures provided as well as storm water drainage facilities to recharge ground water. The storm water is routed to two rain water harvesting pond (Logistic pond: 44,000 m ³ and Enviro park 9,000 m ³) of total capacity 53,000 m ³ . In addition to this, two recharge shafts bore well were constructed near logistic Rain water harvesting pond and Raw mill bore well area. The harvested rain water is used for Green belt

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		development and dust suppression activities.
vi	The company shall undertake eco-development measures including community welfare measures in the project area.	Complied with. Eco development measures like de-silting of village ponds, check dams, Provision of Drinking water facility, Sanitation, Community cleaning and Rain water harvesting structures in schools carried out in nearby community. For community welfare measures, medical camps, fuel efficient stoves, solar lanterns, Livelihood development through skill trainings and awareness in schools & Villages carried out regularly.
vii	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (protection) Act, 1986 Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).	Complied with. Overall noise levels in and around the plant area are well within the TNPCB norms. Acoustic hoods and silencers provided in the noise generating equipment's. Ambient noise levels are being monitored internally every month and Quarterly once through external laboratory during day & night time and the levels are within the prescribed limits. Refer Annexure: 1 for the Noise monitoring report.
viii	Adequate rainwater harvesting measures shall be adopted to recharge the ground water.	Complied with. Roof top rain water harvesting structures provided as well as storm water drainage facilities to recharge ground water. The storm water is routed to two rain water harvesting pond (Logistic pond: 44,000 m ³ and Enviro park 9,000 m ³) of total capacity 53,000 m ³ . In addition to this, two recharge shafts bore well were constructed near logistic Rain water harvesting pond and Raw mill bore well area.
ix	Proper housekeeping and adequate occupational health programmes shall be taken up	Complied with. Good housekeeping practice followed and the same is monitored through daily checklist, monthly audits by zone members and top management and quarterly SHE audits. Various Occupational health programmes and awareness campaign like yoga, personal and industrial hygiene, food habits, hand washing, health tips, first aid training, medical camp, fitness etc carried out and records are maintained.
x	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Complied with. A full fledge separate environmental cell is in place with two qualified environments professional and a Horticulturist under the direct supervision of Unit Head. Also, formed department wise SPOC's persons to monitor the Environmental

		aspects/impacts for taking effective corrective measures through Environment Management programme (EMP).
xi	As proposed, Rs.17.45 Cores and Rs.4.85 Crores/annum shall be earmarked towards the capital cost and recurring cost/annum earmarked for environment pollution control measures and judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the state Government. The funds so provided shall not be diverted for any other purposes.	Complied with. Capital cost invested for the pollution control measures is 45 crores. Every year, for environmental protection budget is allotted and wisely spent. In FY 24-25, around 277.84 lakhs utilized as recurring cost for general activities and around 35.34 Crore towards Environment & Energy improvement capex projects. Also, additional funds are being allocated separately for implementing the conditions stipulated by MoEF & TNPCB from time to time. The funds provided for environmental pollution control measures is not be diverted for other purpose
xii	The regional Office of this Ministry at Bangalore / CPCB / TNPCB shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied with. Half yearly compliance report is being submitted to MoEF Regional office & TNPCB. The last compliance report was submitted vide our letter no ARY/MoEF/Cement & CPP/EC/24-25/134, dated 27.11.2024.
xiii	The project authorities shall inform the Regional Office as well as Ministry, the date of Financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied with. Term loan sanctioned on 25.08.2008 & ECA sanctioned on 06.11.2008. For Cement plant, Date of commencement: 28.07.2008 & commissioning: Feb 2010. Capacity enhancement of Clinker from 2.0 to 2.5 MTPA and Cement from 3.0 to 4.0 MTPA commissioned on 23.03.2024. For Captive Power plant, Date of commencement: 10.09.2008 & commissioning: Aug 2010
xiv	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the T.N. Pollution control Board / Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely	Complied with. Environmental clearance had been submitted to TNPCB office and also available in the website of the Ministry of Environment and Forests. Advertisement regarding obtaining of Environment clearance had been published in The Hindu paper and Local Tamil newspaper (Dinamani) on 01/07/08 and same has been submitted to MoEF regional office.

	circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	
Additional conditions issued by MoEF on 06.04.2011, Ref.No: J-11013/41/2006-IA. II(I)		
i	Continuous monitoring of stack emissions as well as ambient air quality (as per notified standards) shall be carried out and continuous records maintained. Based on the monitored data, necessary corrective measures as may be required from time to time shall be taken to ensure that the levels are within permissible limits. The results of monitoring shall also be submitted to the respective Regional office of MoEF regularly. Besides, the results of monitoring will also be put on the website of the company in the public domain.	Installed Continuous Emission Monitoring System in all stacks for monitoring particulate emission and three nos of Continuous Ambient Air Quality Monitoring System. The online monitoring data is connected to the CARE AIR, TNPCB and to CPCB server. The data are being monitored daily and the emission levels are well within the limits. Also, manual monitoring report is being submitted half yearly to MoEF regional office & the compliance report along with monitoring results are uploaded in our website. The real time data is displayed at the main gate.
ii	The six-monthly monitoring reports as well as the monitored data on various parameters as stipulated in the environment clearance conditions shall be put on the website of the company and also regularly updated. The monitored data shall also be submitted to respective state pollution control board/UTPCCs and the regional office of MoEF.	We are updating the compliance condition stipulated in Environment clearance regularly in the website. Website address: www.dalmiacement.com (under Sustainability tab click Environmental Clearances and compliances for plant). Also, the monitoring data is submitted to TNPCB on monthly basis & MoEF on half yearly regularly.
iii	The ambient air quality data as well as the stack emission data will also be displayed in public domain at some prominent place near the main gate of the company and updated in real time.	Real time Online monitoring data's is displayed in Public domain at the Main gate of the plant.

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Annexure - 1

ANNEXURE - 1

Dalmia Cement (Bharat) Limited Ariyalur Plant



Department : Environment

Plant - Cement & CPP

SUMMARY REPORT OF STACK EMISSION (PM)

PERIOD: Oct 2024 - Mar 2025

UNIT – mg/Nm³

Month	Kiln/Raw mill		Clinker cooler		Coal mill		Cement mill-1		Cement mill-2		Boiler ID fan	
	Observed Level	Norms	Observed Level	Norms	Observed Level	Norms	Observed Level	Norms	Observed Level	Norms	Observed Level	Norms
Max	18.5	30	25.5	30	17.1	30	28.1	30	23.2	30	34.5	50
Min	10.1		7.1		7.8		22.3		12.2		27.6	
Avg	14.9		15.9		12.1		24.8		18.5		30.4	
St. Deviation	3.5		6.5		3.5		2.6		4.3		#DIV/0!	

SUMMARY REPORT OF STACK EMISSION (SO₂ & NO_x)

PERIOD: Oct 2024 - Mar 2025

UNIT – mg/Nm³

Month	SO ₂ Emission				NO _x Emission			
	Kiln/Raw mill		Boiler ID fan		Kiln/Raw mill		Boiler ID fan	
	Observed Level	Norms	Observed Level	Norms	Observed Level	Norms	Observed Level	Norms
Max	11.3	100	560.0	600	750.2	800	251.5	300
Min	2.3		44.5		188.0		102.4	
Avg	5.9		233.5		430.4		142.2	
St. Deviation	3.8		200.0		193.2		54.9	

SUMMARY OF NOISE MONITORING REPORT

PERIOD: Oct 2024 - Mar 2025

UNIT – dB (A)

DAY & NIGHT TIME

Month	Northeast Boundary (Near CPP)		Southeast Boundary (Near crusher Transport system)		Southeast Boundary (Near Limestone stacker)		Northwest Boundary (Near substation)		Permissible Limit	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Max	52.6	43.2	53.0	42.6	52.4	43.1	52.4	43.6	55	45
Min	50.7	40.1	49.7	39.9	50.6	40.9	50.4	41.1		
Avg	51.5	41.6	51.6	41.4	51.4	42.0	51.3	42.2		
St. Deviation	0.7	1.1	1.2	1.1	0.7	0.8	0.7	0.9		


B.R. Prasannakumar
Senior Manager - Environment

Dalmia Cement (Bharat) Limited

Ariyalur Plant

Stack monitoring (PM - mg/Nm³) for Oct 2024 - Mar 2025 DOC. No: SP-3;AM-7

Month	Kiln/Raw mill	Clinker cooler	Coal mill	Cement mill-1	Cement mill-2	Boiler ID fan	Norms for Cement / CPP
Oct-24	11.7	12.3	14.7	27.9	14.4	27.6	30/50
Nov-24	10.1	15.6	11.4	28.1	20.7	29.9	30/50
Dec-24	16.7	7.1	12.7	24.3	12.2	34.5	30/50
Jan-25	18.3	14.0	9.1	23.8	21.4	29.7	30/50
Feb-25	14.2	20.6	7.8	22.4	19.3	30.3	30/50
Mar-25	18.5	25.5	17.1	22.3	23.2	30.4	30/50
Max	18.5	25.5	17.1	28.1	23.2	34.5	30/50
Min	10.1	7.1	7.8	22.3	12.2	27.6	
Avg	14.9	15.9	12.1	24.8	18.5	30.4	
St. Deviation	3.5	6.5	3.5	2.6	4.3	2.3	

Stack monitoring (SO₂- mg/Nm³) for Oct 2024 - Mar 2025 DOC. No: SP-3;AM-7

Month	Kiln/Raw mill	Clinker cooler	Coal mill	Cement mill-1	Cement mill-2	Boiler ID fan	Norms for Cement / CPP
Oct-24	8.4	BDL	10.5	BDL	BDL	305.5	100/600
Nov-24	11.3	BDL	12.7	BDL	BDL	320.3	100/600
Dec-24	3.0	BDL	BDL	BDL	BDL	44.5	100/600
Jan-25	2.3	BDL	3.4	BDL	BDL	62.4	100/600
Feb-25	4.5	BDL	6.1	BDL	BDL	108.1	100/600
Mar-25	BDL	BDL	BDL	BDL	BDL	560.0	100/600
Max	11.3	0.0	12.7	0.0	0.0	560.0	100/600
Min	2.3	0.0	3.4	0.0	0.0	44.5	
Avg	5.9	BDL	8.2	BDL	BDL	233.5	
St. Deviation	3.8	BDL	4.2	0.0	BDL	200.0	

Stack monitoring (NO_x - mg/Nm³) for Oct 2024 - Mar 2025 DOC. No: SP-3;AM-7

Month	Kiln/Raw mill	Clinker cooler	Coal mill	Cement mill-1	Cement mill-2	Boiler ID fan	Norms for Cement / CPP
Oct-24	750.2	BDL	16.4	BDL	BDL	102.4	800/300
Nov-24	510.4	BDL	18.7	BDL	BDL	121.6	800/300
Dec-24	462.0	BDL	BDL	BDL	BDL	251.5	800/300
Jan-25	322.8	BDL	BDL	BDL	BDL	110.9	800/300
Feb-25	349.0	BDL	BDL	BDL	BDL	134.0	800/300
Mar-25	188.0	BDL	BDL	BDL	BDL	133.0	800/300
Max	750.2	0.0	18.7	0.0	0.0	251.5	800/300
Min	188.0	0.0	16.4	0.0	0.0	102.4	
Avg	430.4	BDL	17.6	BDL	BDL	142.2	
St. Deviation	193.2	BDL	1.6	BDL	BDL	54.9	

Dalmia Cement (Bharat) Limited									
Ariyalur Plant									
ANQS dB (A) Locations for Oct 2024 - Mar 2025							DOC. No: SP-3;AM-7		
Month	Northeast Boundary (Near CPP)		Southeast Boundary (Near crusher Transport system)		SouthWest Boundary (Near Limestone stacker)		Northwest Boundary (Near substation)		Permissible Day/Night
	Day	Night	Day	Night	Day	Night	Day	Night	
Oct-24	50.7	40.9	51.2	42.6	52.4	42.2	50.7	41.6	55/45
Nov-24	51.2	41.1	52.3	40.8	51.6	41.7	51.4	41.9	55/45
Dec-24	52.1	43.2	53	42.6	50.6	42.5	51.8	42.4	55/45
Jan-25	50.9	42.1	52.4	41.2	51.3	43.1	52.4	43.6	55/45
Feb-25	51.7	40.1	49.7	39.9	50.7	41.3	50.9	42.3	55/45
Mar-25	52.6	42.2	50.7	41.3	51.6	40.9	50.4	41.1	55/45
Max	52.6	43.2	53	42.6	52.4	43.1	52.4	43.6	55/45
Min	50.7	40.1	49.7	39.9	50.6	40.9	50.4	41.1	
Avg	51.5	41.6	51.6	41.4	51.4	42.0	51.3	42.2	
St. deviation	0.7	1.1	1.2	1.1	0.7	0.8	0.7	0.9	

Annexure - 2

ANNEXURE - 2

Dalmia Cement (Bharat) Limited



Ariyalur Plant

Department : Environment

Plant - Cement & CPP

SUMMARY REPORT OF AMBIENT AIR QUALITY
PARTICULATE MATTER (PM₁₀)
PERIOD: Oct 2024 - Mar 2025
UNIT - $\mu\text{g}/\text{m}^3$

Month	Eastern Boundary near HR building	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stacker	Western boundary near 110KVA substation	NW - Boundary compound wall	NE - Boundary near CPP	Permissible Limit
Max	80.7	75.9	77.1	77.4	73.8	74.2	100
Min	57.6	61.6	58.4	61.2	60.0	61.7	
Avg	67.5	66.7	65.9	69.9	66.3	67.0	
St. Deviation	9.5	6.1	8.2	6.2	5.0	4.6	

SUMMARY REPORT OF AMBIENT AIR QUALITY
PARTICULATE MATTER (PM_{2.5})
PERIOD: Oct 2024 - Mar 2025
UNIT - $\mu\text{g}/\text{m}^3$

Month	Eastern Boundary (Weigh bridge)	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stacker	Western boundary near substation	NW - Boundary compound wall	NE - Boundary near CPP	Permissible Limit
Max	41.1	37.4	36.2	33.7	32.3	34.9	60
Min	28.4	27.4	30.6	30.4	28.0	27.5	
Avg	34.8	32.4	33.9	32.2	31.1	31.3	
St. Deviation	5.5	4.1	2.3	1.3	1.6	2.5	


SUMMARY REPORT OF AMBIENT AIR QUALITY
SULPHUR DIOXIDE (SO₂)
PERIOD: Oct 2024 - Mar 2025
UNIT - $\mu\text{g}/\text{m}^3$

Month	Eastern Boundary near HR building	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stacker	Western boundary near 110KVA substation	NW - Boundary compound wall	NE - Boundary near CPP	Permissible Limit
Max	23.1	25.3	22.9	22.4	21.8	22.7	80
Min	10.4	9.0	8.7	11.0	9.7	10.3	
Avg	16.6	14.9	14.8	16.0	14.9	16.0	
St. Deviation	5.3	7.2	6.1	5.1	5.1	4.8	

SUMMARY REPORT OF AMBIENT AIR QUALITY
NITROGEN DIOXIDE (NO_x)
PERIOD: Oct 2024 - Mar 2025
UNIT - $\mu\text{g}/\text{m}^3$

Month	Eastern Boundary (Weigh bridge)	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stacker	Western boundary near substation	NW - Boundary compound wall	NE - Boundary near CPP	Permissible Limit
Max	24.1	22.6	22.2	24.7	25.6	23.2	80
Min	19.5	19.8	20.4	19.9	18.4	21.0	
Avg	21.9	21.2	21.2	22.0	21.7	22.0	
St. Deviation	1.9	1.1	0.8	1.8	2.3	0.7	

B.R.Prasannakumar
Senior Manager - Environment

<div>  Dalmia Cement (Bharat) Limited Ariyalur Plant </div>							
AAQS Locations (PM ₁₀ - µg/m ³) for Oct 2024 - Mar 2025				DOC. No: SP-3;AM-7			
Month	Eastern Boundary (HR Building)	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stack	Western boundary near substation	NW - Boundary near crusher transfer tower	NE - Boundary near CPP WTP	Permissible Limit
Oct-24	80.7	72.2	75.4	76.7	70.4	70.8	100
Nov-24	77.4	75.9	77.1	77.4	73.8	74.2	100
Dec-24	57.6	61.7	58.4	61.2	60.0	61.7	100
Jan-25	63.7	66.4	61.2	68.4	65.7	66.3	100
Feb-25	59.1	62.5	59.4	66.1	62.7	64.7	100
Mar-25	66.7	61.6	63.9	69.8	65.3	64.3	100
Max	80.7	75.9	77.1	77.4	73.8	74.2	100
Min	57.6	61.6	58.4	61.2	60.0	61.7	
Avg	67.5	66.7	65.9	69.9	66.3	67.0	
SD	9.5	6.1	8.2	6.2	5.0	4.6	
AAQS Locations (PM _{2.5} - µg/m ³) for Oct 2024 - Mar 2025				DOC. No: SP-3;AM-7			
Month	Eastern Boundary (HR Building)	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stack	Western boundary near substation	NW - Boundary near crusher transfer tower	NE - Boundary near CPP	Permissible Limit
Oct-24	41.1	35.7	36.2	33.4	32.3	34.9	50
Nov-24	40.6	37.4	34.7	31.2	31.6	32.4	50
Dec-24	28.4	27.4	30.6	30.4	28.0	30.2	50
Jan-25	33.7	31.1	34.5	33.7	30.7	32.3	50
Feb-25	36.1	34.7	35.8	31.4	32.1	30.7	50
Mar-25	29.1	28.3	31.3	32.9	31.6	27.5	50
Max	41.1	37.4	36.2	33.7	32.3	34.9	50
Min	28.4	27.4	30.6	30.4	28.0	27.5	
Avg	34.8	32.4	33.9	32.2	31.1	31.3	
SD	5.5	4.1	2.3	1.3	1.6	2.5	
AAQS Locations (SO ₂ - µg/m ³) for Oct 2024 - Mar 2025				DOC. No: SP-3;AM-7			
Month	Eastern Boundary (HR Building)	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stack	Western boundary near substation	NW - Boundary near crusher transfer tower	NE - Boundary near CPP	Permissible Limit
Oct-24	23.1	25.3	21.7	22.4	21.8	22.7	80
Nov-24	21.7	22.7	22.0	21.9	20.3	20.3	80
Dec-24	10.4	9.6	8.7	11.7	9.7	12	80
Jan-25	15.1	12.4	10.1	15.9	10.9	16.2	80
Feb-25	18.1	10.6	14.1	12.8	14.8	14.4	80
Mar-25	11	9	11.5	11	11.9	10.3	80
Max	23.1	25.3	22.9	22.4	21.8	22.7	80
Min	10.4	9.0	8.7	11.0	9.7	10.3	
Avg	16.6	14.9	14.8	16.0	14.9	16.0	
SD	5.3	7.2	6.1	5.1	5.1	4.8	
AAQS Locations (NO _x - µg/m ³) for Oct 2024 - Mar 2025				DOC. No: SP-3;AM-7			
Month	Eastern Boundary (HR Building)	SE - Boundary near Crusher Transport system	SW - Boundary near Limestone Stack	Western boundary near substation	NW - Boundary near crusher transfer tower	NE - Boundary near CPP	Permissible Limit
Oct-24	24.1	21.7	20.4	19.9	21.5	22.2	80
Nov-24	22.3	20.5	21.7	20.3	22.1	21.6	80
Dec-24	21.4	20.5	21.7	22.4	18.4	23.2	80
Jan-25	20.1	22.6	22.2	24.7	20.9	21.0	80
Feb-25	19.5	21.9	20.7	21.4	21.9	22.1	80
Mar-25	23.9	19.8	20.4	23.1	25.6	21.9	80
Max	24.1	22.6	22.2	24.7	25.6	23.2	80
Min	19.5	19.8	20.4	19.9	18.4	21.0	
Avg	21.9	21.2	21.2	22.0	21.7	22.0	
SD	1.9	1.1	0.8	1.8	2.3	0.7	

Annexure - 3



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-0110

ULR - TC611825000013482F

Report No : QEN250307036-01

Page 1 of 1

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 03 to 04 Mar 2025
09.30 am to 09.30 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory

Test Completed on : 12 Mar 2025

Sample Location : Near HR Building

Sample Procedure : IS 5182

Relative Humidity : 62%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.9	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM10)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	66.7	µg/m ³	100 Max
6	Particulate Matter (PM2.5)	IS 5182 (Part 24) - 2019	29.1	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	11.0	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-0110

ULR - TC611825000013483F

Page 1 of 1

Report No : QEN250307036-02

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 03 to 04 Mar 2025
09.40 am to 09.40 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory

Test Completed on : 12 Mar 2025

Sample Location : Near CPP WTP

Sample Procedure : IS 5182

Relative Humidity : 62%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	21.9	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	64.3	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	27.5	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.3	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(n)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Vin, Poonamallee Taluk, Chennai - 600124.

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-0110

ULR - TC611825000013484F

Page 1 of 1

Report No : QEN250307036-03

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 03 to 04 Mar 2025
09.50 am to 09.50 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory

Test Completed on : 12 Mar 2025

Sample Location : Near CPP Boiler

Sample Procedure : IS 5182

Relative Humidity : 62%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	21.4	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	56.8	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	26.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	9.6	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 59/6, Thiruvallur High Road, Paduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6418

ULR - TC611825000013485F

Page 1 of 1

Report No : QEN250307036-04

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu – 621705.
Sample Name : Ambient Air Quality Monitoring **Sampling Date & Time** : 03 to 04 Mar 2025
10.00 am to 10.00 am
Sample Description : Ambient Air Quality Monitoring **Sample Received on** : 07 Mar 2025
Reference : Test Request Form Dated 03.03.2025 **Test Started on** : 08 Mar 2025
Sample Drawn By : Laboratory **Test Completed on** : 12 Mar 2025
Sample Location : Near CPP Coal Crusher
Sample Procedure : IS 5182
Relative Humidity : 62% **Ambient Temperature** : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	25.6	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	65.3	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	31.6	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	11.9	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification**Conclusion** : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



10-0110

ULR - TC611825000013487F

Page 1 of 1

Report No : QEN250307036-05

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring Sampling Date & Time : 03 to 04 Mar 2025
10.10 am to 10.10 am

Sample Description : Ambient Air Quality Monitoring Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025 Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory Test Completed on : 12 Mar 2025

Sample Location : Near 110 KVA Substation

Sample Procedure : IS 5182

Relative Humidity : 62% Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	23.1	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	69.8	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	32.9	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	11.0	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Pudukotram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



10-0110

ULR - TC611825000013490F

Page 1 of 1

Report No : QEN250307036-06

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 03 to 04 Mar 2025
10.20 am to 10.20 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory

Test Completed on : 12 Mar 2025

Sample Location : Near O & M Colony

Sample Procedure : IS 5182

Relative Humidity : 62%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	19.8	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	61.6	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	28.3	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	9.0	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Peonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



ULR - TC611825000013492F

Page 1 of 1

Report No : QEN250307036-07

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 03 to 04 Mar 2025
10.30 am to 10.30 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory

Test Completed on : 12 Mar 2025

Sample Location : Near Scrap Yard

Sample Procedure : IS 5182

Relative Humidity : 62%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	20.8	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	61.2	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	28.6	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	10.4	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Vin, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



ULR - TC611825000013494F

Report No : QEN250307036-08

Page 1 of 1

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Name : Ambient Air Quality Monitoring

Sampling Date & Time : 03 to 04 Mar 2025
10.40 am to 10.40 am

Sample Description : Ambient Air Quality Monitoring

Sample Received on : 07 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Test Started on : 08 Mar 2025

Sample Drawn By : Laboratory

Test Completed on : 12 Mar 2025

Sample Location : Near Circular Stacker

Sample Procedure : IS 5182

Relative Humidity : 62%

Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Results	Unit	Limit as per NAAQS Specification
Chemical					
1	Ammonia as NH ₃	IS 5182 (Part 25) - 2018	BLQ(LOQ:20.0)	µg/m ³	400 Max
2	Carbon Monoxide as CO (8hrs)	IS 5182 (Part 10) - 1999 (Reaffirmed 2019)	BLQ(LOQ:1.14)	mg/m ³	02 Max
3	Nitrogen dioxide as NO ₂	IS 5182 (Part 06) - 2006 (Reaffirmed 2022)	20.4	µg/m ³	80 Max
4	Ozone as O ₃	IS 5182 (Part 09) - 1974 (Reaffirmed 2019)	BLQ(LOQ:20.0)	µg/m ³	180 Max
5	Particulate Matter (PM ₁₀)	IS 5182 (Part 23) - 2006 (Reaffirmed 2022)	63.9	µg/m ³	100 Max
6	Particulate Matter (PM _{2.5})	IS 5182 (Part 24) - 2019	31.3	µg/m ³	60 Max
7	Sulphur Dioxide as SO ₂	IS 5182 (Part 02) - 2001 (Reaffirmed 2022)	11.5	µg/m ³	80 Max
Polycyclic Aromatic Hydrocarbons (PAHs)					
8	Benzo(a)Pyrene (Particulate Phase)	SMSLA/GC/SOP/46 - 2024	BLQ(LOQ:0.05)	ng/m ³	01 Max
Trace Elements					
9	Arsenic	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	06 Max
10	Lead	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.001)	µg/m ³	1.0 Max
11	Nickel	Compendium Method IO - 3.4 - 1999	BLQ(LOQ:0.1)	ng/m ³	20 Max
Volatile Organic Compounds-NAAQM					
12	Benzene	SMSLA/GC/SOP/43 - 2024	BLQ(LOQ:1.0)	µg/m ³	05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification

Conclusion : The above tested Sample Conforms to the NAAQ Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchetram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013495F

Report No : QEN250307036-09 to 18

Page 1 of 1

Report Date: 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu - 621705
Sample Name : Fugitive Emission Monitoring
Sample Description : Fugitive Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Procedure : NIOSH & SOP's
Sampling Date : 03 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025

TEST RESULTS

S.No	Parameters	Unit	Locations									
			Crusher	Coal Stacker	AFR Area	Packing Plant	Cooler Mill	Cement Mill	CPP Boiler	CPP Coal Crusher	Circular Stacker	Raw Mill
1	Respirable Suspended Particulate Matter	mg/m ³	0.065	0.066	0.063	0.071	0.073	0.065	0.068	0.069	0.075	0.069

/***** End of the Report *****/

M.S. I

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013526F

Report No : QEN250307036-30

Page 1 of 1

Report Date: 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.

Sample Description : Co Processing Stack Emission Monitoring

Sampling Date : 05 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Sample Received on : 07 Mar 2025

Sample Drawn By : Laboratory

Test Started on : 08 Mar 2025

Sample Location : Kiln Raw Mill

Test Completed on : 12 Mar 2025

Sample Procedure : IS 11255 & SMSLA/EN/SOP/017

Diameter of Stack (m) : 4.5 m

Ambient Temperature : 35°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	(*Values are Corrected in 10% O2 level)	Emission Standards For Rotary Kiln With Co - Processing of Wastes
Anions						
1	HCl	EPA 26A - 2019	mg/Nm ³	BLQ(LOQ:0.02)	--	10 Max
2	HF	EPA 26A - 2019	mg/Nm ³	BLQ(LOQ:0.02)	--	1 Max
Chemical						
3	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	13.0	--	--
4	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	162	--	--
5	Moisture Content	EPA 4 - 2023	%	2.6	--	--
6	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	123	188*	800 Max
7	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	13.8	--	--
8	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	18.5	28.4*	30 Max
9	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	401	--	--
10	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	BLQ(LOQ:3.0)*	100 Max
11	TOC	SMSLA/EN/SOP/018 - 2024	mg/Nm ³	8.15	--	10 Max
12	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	20.0	--	--
13	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	1050533	--	--
Trace Elements						
14	Mercury	EPA 29 - 2017	mg/Nm ³	BLQ(LOQ:0.00002)	--	0.05 Max
15	Sb+As+Pb+Cr+Co+Cu+Mn+Ni+V+	EPA 29 - 2017	mg/Nm ³	BLQ(LOQ:0.00002)	--	0.5 Max
16	Cd+Tl + their Compounds	EPA 29 - 2017	mg/Nm ³	BLQ(LOQ:0.00002)	--	0.05 Max

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Tiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013513F
Report No : QEN250307036-23

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu – 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Coal Mill
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 2.0 m
Sampling Date : 05 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 35°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	3.7	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	122	--
3	Moisture Content	EPA 4 - 2023	%	2.4	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	228	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	15.2	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	17.1	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	347	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	10.8	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	102650	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013511F
Report No : QEN250307036-22

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu – 621705.
Sample Description : Stack Emission Monitoring Sampling Date : 04 Mar 2025
Reference : Test Request Form Dated 03.03.2025 Sample Received on : 07 Mar 2025
Sample Drawn By : Laboratory Test Started on : 08 Mar 2025
Sample Location : ESP Cooler Test Completed on : 12 Mar 2025
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 3.5 m Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.2	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	Less than 1.0	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.6	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	25.5	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	542	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.4	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	175174	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M.S. e
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013509F
Report No : QEN250307036-20

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu – 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Cement Mill Stack - 1
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 2.8 m
Sampling Date : 04 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 36°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.3	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	1.9	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.5	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	22.3	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	380	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	13.1	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	222849	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. S. I.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Padochatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

Page 1 of 1

Report No : QEN250307036-31

Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED

Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu – 621705.

Sample Description : Co Processing Stack Emission Monitoring

Sampling Date : 05 Mar 2025

Reference : Test Request Form Dated 03.03.2025

Sample Received on : 07 Mar 2025

Sample Drawn By : Laboratory

Test Started on : 08 Mar 2025

Sample Location : CPP Boiler (Power Plant)

Test Completed on : 12 Mar 2025

Sample Procedure : IS 11255 & SMSLA/EN/SOP/017

Diameter of Stack (m) : 2.7 m

Ambient Temperature : 33°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	(Values are Corrected in 6% O2 level)	Limit as per CPCB
Anions						
1	HCl	EPA 26A - 2019	mg/Nm3	BLQ(LOQ:0.02)	--	10 Max
2	HF	EPA 26A - 2019	mg/Nm3	BLQ(LOQ:0.02)	--	1 Max
Chemical						
3	Carbon Dioxide as CO2	SMSLA/EN/SOP/017 - 2024	%	3.8	--	--
4	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm3	118	--	--
5	Moisture Content	EPA 1-3 - 2023	%	2.8	--	--
6	Nitrogen Oxides as Nox	SMSLA/EN/SOP/017 - 2024	mg/Nm3	98	133*	450 Max
7	Oxygen as O2	SMSLA/EN/SOP/017 - 2024	%	10.0	--	--
8	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm3	22.2	30.4*	50 Max
9	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	392	--	--
10	Sulphur Dioxide as SO2	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm3	410	560*	600Max
11	TOC	SMSLA/EN/SOP/018 - 2024	mg/Nm3	16.36	--	--
12	Velocity	EPA 1-3 - 2023	m/s	8.4	--	--
13	Volume of Gas Discharged	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	Nm3/Hr	128803	--	--
Trace Metal Elements						
14	Cd+Tl + their Compounds	EPA 29 - 2017	mg/Nm3	BLQ(LOQ:0.00002)	--	--
15	Mercury	EPA 29 - 2017	mg/Nm3	BLQ(LOQ:0.00002)	--	--
16	Sb+As+Pb+Cr+Co+Cu+Mn+Ni+V+	EPA 29 - 2017	mg/Nm3	BLQ(LOQ:0.00002)	--	--

Note : BLQ : Below Limit of Quantification LOQ : Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar

Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thinnazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

U/LR - TC611825000013515F
Report No : QEN250307036-24

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu - 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Packing Plant - 1
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.8 m
Sampling Date : 03 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 35°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.1	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	Less than 1.0	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.8	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	15.1	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	313	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	13.6	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	22929	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M.S. I
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattam Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013499F
Report No : QEN250307036-25

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu - 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Packing Plant - 2
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.8 m
Sampling Date : 03 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 35°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.2	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	Less than 1.0	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.6	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	10.2	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	311	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	14.0	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	23755	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013518F
Report No : QEN250307036-26

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu – 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Packing Plant - 3
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 0.8 m
Sampling Date : 03 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 34°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.2	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	Less than 1.0	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.7	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	7.9	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	315	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	13.5	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	22616	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M.S.
M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013510F
Report No : QEN250307036-21

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamaraikulam Village, Ariyalur, Tamil Nadu -- 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Cement Mill Stack - 2
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 2.5 m
Sampling Date : 04 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 36°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.1	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	2.8	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.1	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	23.2	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	347	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	7.8	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	115838	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. S. C.

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Poduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000013519F
Report No : QEN250307036-27

Page 1 of 1
Report Date : 13 Mar 2025

Customer Name : M/s. DALMIA CEMENT (BHARAT) LIMITED
Customer Address : SF No: 630, Thamarakulam Village, Ariyalur, Tamil Nadu - 621705.
Sample Description : Stack Emission Monitoring
Reference : Test Request Form Dated 03.03.2025
Sample Drawn By : Laboratory
Sample Location : Packing Plant - 4
Sample Procedure : IS 11255 & SMSLA/EN/SOP/017
Diameter of Stack (m) : 1.19 m
Sampling Date : 03 Mar 2025
Sample Received on : 07 Mar 2025
Test Started on : 08 Mar 2025
Test Completed on : 12 Mar 2025
Ambient Temperature : 33°C

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Limit as per CPCB
Chemical					
1	Carbon Dioxide as CO ₂	SMSLA/EN/SOP/017 - 2024	%	0.3	--
2	Carbon Monoxide as CO	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:1.14)	--
3	Moisture Content	EPA 4 - 2023	%	Less than 1.0	--
4	Nitrogen Oxides as NO _x	SMSLA/EN/SOP/017 - 2024	mg/Nm ³	BLQ(LOQ:2.0)	--
5	Oxygen as O ₂	SMSLA/EN/SOP/017 - 2024	%	20.6	--
6	Particulate Matter	IS 11255 (Part 01) - 1985 (Reaffirmed 2019)	mg/Nm ³	8.8	30 Max
7	Stack temperature	IS 11255 (Part 03) - 2008 (Reaffirmed 2018)	K	317	--
8	Sulphur Dioxide as SO ₂	IS 11255 (Part 02) - 1985 (Reaffirmed 2019)	mg/Nm ³	BLQ(LOQ:3.0)	--
9	Velocity	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	m/s	9.5	--
10	Volume of Gas Discharged	IS 11255 (Part 3) - 2008 (Reaffirmed 2018)	Nm ³ /hr	34896	--

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification.

Conclusion : The above tested Sample Conforms to the CPCB Standards for the above tested Parameters.

/***** End of the Report *****/

M. S. Sarathkumar

M. Sarathkumar
Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchattaram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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Annexure - 4

Green Belt



Plantation: 69,980 Nos (35% Plant area)

96% Sustenance Rate

Individual Zone Owner Responsibility

Plant in the Garden & not Garden in the plant

Good Biodiversity, 94 Acre

Mass Tree Plantation

Tree plantation of 1500 Nos at the CPP Entrance, Packing Plant and Cement mill 2 areas



Mass Tree Plantation

Tree plantation of 150 no's near Guest House area



Fugitive Emission Control measure

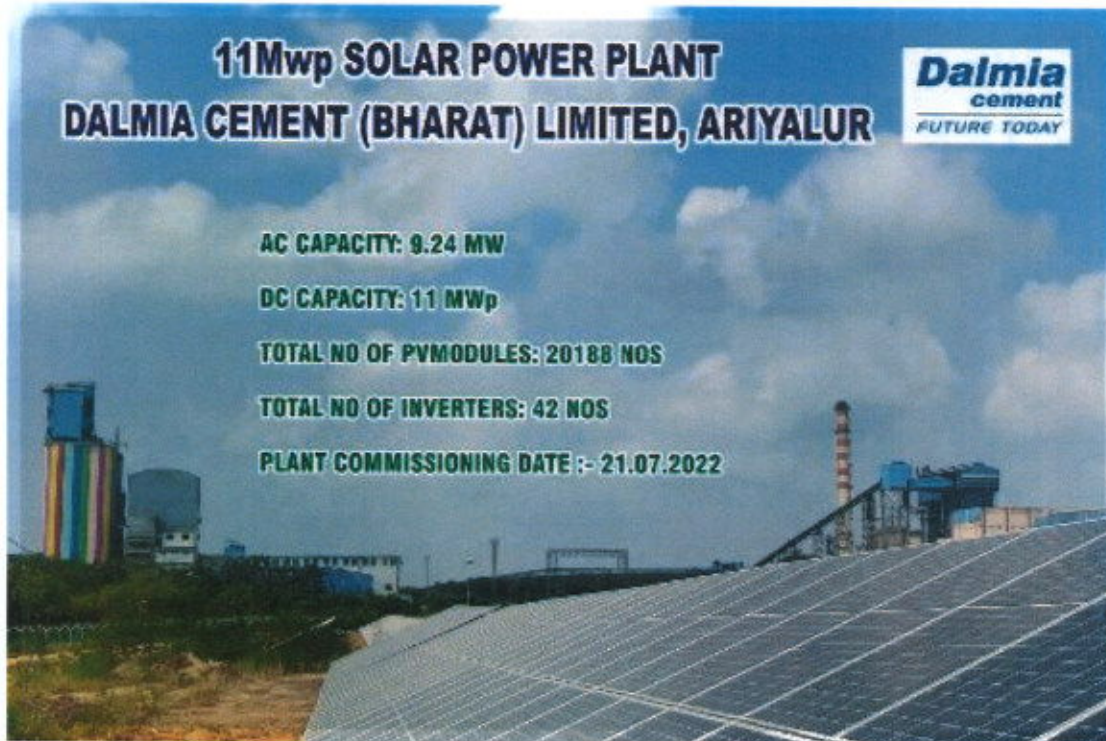


Automatic Tyre Washer at Weigh bridge



Fogging system at Packing Plant exit road

Renewable Energy – Solar Power Plant



Generation in FY 24-25: **154.122** Lakhs Units



Annexure - 5



GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT

From:

Er.T.Thamizhselvi,M.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Tharamani, Chennai 600 113.
Phone : 91-44-22542223 (Direct)
91-44-22541526/27(Board)
Email: cegwchennai@gmail.com
Web site: www.groundwatertnpwd.org

To:

M/s. Dalmia Cement (Bharat) Ltd.,
SF.NO.630,Tmaraikulam Village,
Ariyalur Block & Taluk,
Ariyalur-621 705.

Lr.No.OT 8/AG-2/581/Renewal of NOC /Trichy/ 2024 dated: 07.08.2024.


Sir,

- Sub:** "Renewal of No Objection Certificate" for drawal of ground water to M/s. Dalmia Cement (Bharat) Ltd., Govindapuram and Ottakovil Village , Ariyalur Firka, Ariyalur Block , Ariyalur Taluk, Ariyalur District – 9th Renewal of NOC - Reg.
- Ref:** 1.This Office Lr.No. OT8/AG-2/197/renewal of NOC/Trichy/2023 dt:14.03.2023.
2.The firm Renewal of NOC application date:18.01.2024.
3.This Office Lr.No:35DD(G)/AG-VI/Renewal of NOC/2024Dt:02.02.2024.
4.Spl.CE,GWC,TnjLr.No:151^{CE}/AG/T.F44C(TRY)/NOC/GWC/TNJ/2022 Dt:19.07.2024.

Please find the enclosed "Renewal of No Objection Certificate", for drawal of ground water to M/s. Dalmia Cement (Bharat) Ltd., Govindapuram and Ottakovil Village , Ariyalur Block , Ariyalur Taluk, Ariyalur District. As per the G.O.(Ms).No 142 PW(R2)Department dt:23.07.2014, NOC should be renewed every year for the water based industries. You are requested to strictly adhere to the quantity permitted and conditions mentioned in the certificate and apply for renewal of NOC before two months from the date of expiry i.e., **21.02.2025** without fail. If you fail to apply for renewal of NOC, it will be treated as "illegal" and informed to District Monitoring Committee to seal the bore well in your unit as per Madras High Court Orders in WP.No.28535 of 2014 & WP.No.16299/2018.

Enclosure:

1. Renewal of No Objection Certificate & Conditions


Chief Engineer, WRD, SG&SWRDC,
Tharamani, Chennai-113.



Certificate No.581/2024 (R-9)


Dated: 07.08.2024

GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT
STATE GROUND & SURFACE WATER RESOURCES DATA
CENTRE CHENNAI - 113
Renewal of No Objection Certificate

This is to certify that "M/s. Dalmia Cement (Bharat) Ltd", Govindapuram and Ottakovil Village, Ariyalur Firka, Ariyalur Block, Ariyalur Taluk, Ariyalur District is hereby given the "Renewal of No Objection Certificate" for the drawal of total quantity of 16,20,000 LPD (Sixteen Lakh and Twenty Thousand Litres per day) of groundwater for the purpose of "Industry (Cement Industry)" from the Groundwater structure listed below with strict adherence of stipulated conditions.


Sl. No	Referred Well / Bore Well & SF. No	Village/Firka	Co-ordinates		Quantity Permitted for pumping in LPD
			Latitude	Longitude	
1.	TW1/630/1 2B	Govindapuram/Ariyalur	11° 10'85" N	79 °06'01" E	2,43,000
2.	TW2/640/0 5	Govindapuram/Ariyalur	11° 11'05" N	79 °06'08" E	2,43,000
3.	TW3/614/0 8B	Govindapuram/Ariyalur	11° 10'59" N	79 °05'96" E	3,73,500
4.	TW4/158/0 5	Ottakovil/Ariyalur	11° 11'17" N	79 °06'01" E	3,73,500
5.	TW5/162/1 1	Ottakovil /Ariyalur	11° 10'23" N	79 °05'19" E	3,87,000
Total					16,20,000

This renewal certificate is valid from 22.02.2024 to 21.02.2025 and the Renewal of NOC is issued under the conditions laid down.


Chief Engineer, WRD, SG & SWRDC,
Tharamani, Chennai-113.

Renewal of NOC Conditions pertaining to M/s. Dalmia Cement (Bharat) Limited, Ariyalur District

- 1 This No Objection certificate issued for ground water extraction applies to the referred ground water abstraction structure only.
- 2 All the other ground water abstraction structures (dug wells/bore wells/dug-cum bore wells) other than the permitted one inside the plant area should not be considered for this permission.
- 3 Such structures as said in Condition No.2 should be closed or used only for Rain water harvesting purposes.
- 4 This Certificate is applicable for drawal of permitted Quantity of ground water only and not for transportation.
- 5 The Company should install necessary "flow meters" to the referred well /bore well and monitor the quantity which should not exceed the permitted level. Proper Records should be maintained continuously from the date of drawal. Monthly statement of daily drawal of water should be sent to the Executive Engineer, Groundwater Division, Trichy as per format enclosed.
- 6 As and when the officials of Ground Water Wing of WRD inspect the site/premises, perusal of drawal records and water quality observations should be allowed.
- 7 Rain water harvesting structure is to be established as per the direction of this department. Rain water harvesting structures already exist inside the plant premises, it should be maintained properly.
- 8 Violation of the above stipulations in any form may lead to cancellation of the permission accorded by the Government.
- 9 The Company should be ready to pay the levy/charges for drawal of ground water for commercial purposes, if Government / Ground Water Authority imposes any such orders in future.
- 10 As per the G.O.(Ms).No 142 PW(R2)Department dt:23 07 2014, NOC should be renewed every year for the water based industries.
- 11 It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will be vary from permitted quantity.
- 12 The handed over Bore Well to this Department for Water Level monitoring purpose should be maintained properly. The firm has to take the water level in the first week of every month & maintain a monthly water level Register and the Assistant Geologist concerned should monitor the water level data and also check whenever required.
- 13 This No Objection Certificate is applicable only for the purpose of "Cement Industry", if any deviation in the usage of ground water is found, the NOC accorded is automatically deemed to be cancelled.
- 14 The Assistant Director, Groundwater Sub-Division/Assistant Geologist of the respective District would inspect either the rain water harvesting structures established in the premises of the firm or the records maintained or even the drawal of ground water as and when needed and it is the mandatory of the firm to maintain the Rain water harvesting structure/ structures properly and show the records needed.
- 15 If any information / Documents submitted by this firm is found to false / in correct or any data provided by the firm is found to be incorrect, the NOC issued to the firm will be cancelled by this department without any prior notice.


Chief Engineer, WRD, SG&SWRDC,
Tharamani, Chennai-113.



GOVERNMENT OF TAMIL NADU
WATER RESOURCE DEPARTMENT

From:

Er. S.Prabakaran, B.E.,
Chief Engineer, WRD,
State Ground & Surface Water
Resources Data Centre
Tharamani, Chennai 600 113.

Phone : 91-44-22542223 (Direct)

91-44-22541526/27(Board)

Email: cegwchennai@gmail.com

Web site: www.groundwaternpwd.org

To:

M/s. Dalmia Cement (Bharat) Limited-
Power Plant, SF.No:630,
Thamaraikulam Village,
Ariyalur – 621 705.

Lr.No.OT8/AG-2/147/NOC/Trichy/2023 dated: 20.11.2023.

Sir,

Sub: "No Objection Certificate" for drawal of ground water to
"M/s. Dalmia Cement (Bharat) Limited-Power Plant, Ottakoil and
Govindapuram Village, Ariyalur Firka, Ariyalur Taluk, Ariyalur
District - Groundwater Drawal – Cement Industry-Power Plant Sector
purpose - NOC Issued-Reg.

Ref: 1.The industry NOC application Dated:18.07.2023.
2.SE,GWC,ThanjavurLr.No:167^S/AG/T.F44C(TRY)/NOC/GWC/TNJ/2023
Dt:07.11.2023.

Please find the enclosed "No Objection Certificate", for drawal of groundwater to
"M/s. Dalmia Cement (Bharat) Limited-Power Plant, Ottakoil and
Govindapuram Village, Ariyalur Firka, Ariyalur Taluk, Ariyalur District. As per
the G.O.(Ms).No 142 PW(R2)Department dt:23.07.2014, NOC should be renewed
every year for water based industries. You are requested to strictly adhere to the
quantity permitted and conditions mentioned in the certificate and apply for renewal
of NOC before two month from the date of expiry, i.e., .11.2024 without fail. If you
fail to apply for renewal of NOC, it will be treated as "illegal" and informed to District
Monitoring Committee to seal the bore well in your unit as per Madras High Court
Orders in WP.No.28535 of 2014 & WP.No.16299/2018.

Enclosure:

1. No Objection Certificate & Conditions

Chief Engineer (SG&SWRDC)
WRD,Tharamani,Chennai-113.



Certificate No.147/2023

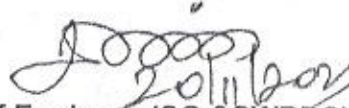
Dated: 20.11.2023

GOVERNMENT OF TAMIL NADU
WATER RESOURCES DEPARTMENT
STATE GROUND & SURFACE WATER RESOURCES DATA
CENTRE CHENNAI – 113
No Objection Certificate

This is to certify that "M/s. Dalmia Cement (Bharat) Limited-Power Plant, Ottakoil and Govindapuram Village, Ariyalur Firka, Ariyalur Taluk, Ariyalur District falling under the "Safe Category" as on 2022 Categorisation, is hereby given the "No Objection Certificate" for the drawal of total quantity of 3,80,000 LPD (Three Lakh Eighty Thousand Litres per day) of groundwater for "Cement Industry-Power Plant Sector" purpose from the Ground water structure listed below with strict adherence to stipulated conditions.

Sl. No	Referred Well / Bore Well & SF. No	Village / Firka	Co-ordinates		Quantity Permitted for Pumping in LPD
			Latitude	Longitude	
1.	TW-1 163/18C	Ottakoil / Ariyalur	11°11'11.4"N	79°06'17.0"E	1,35,000
2.	TW-2 629/9A	Govindapuram / Ariyalur	11°10'56.1"N	79°05'59.5"E	2,45,000
Total					3,80,000

This No Objection Certificate now issued is valid only for one year from the date of issue and the NOC is accorded under the conditions laid down over leaf


Chief Engineer (SG & SWRDC),
WRD, Tharamani, Chennai-113.

Fresh NOC Conditions pertaining to M/s. Dalmia Cement (Bharat) Limited-Power Plant, Ariyalur District

- 1 This No Objection certificate issued for ground water extraction applies to the referred ground water abstraction structure only.
- 2 All the **other ground water abstraction structures** (dug wells/bore wells/dug-cum bore wells) other than the permitted one inside the plant area **should not be considered** for this permission.
- 3 Such structures as said in Condition No.2 should be closed or used only for **Rain water harvesting** purposes.
- 4 This Certificate is applicable for drawal of permitted Quantity of ground water only and **not for transportation**.
- 5 The flow meter should be fixed in the suction tube near to bore well during the time of extraction. Failure fitting flow meter / Absence of flow meter in the abstraction well during the time of extraction will leads to cancellation of NOC issued.
- 6 The Company should install necessary "flow meters" to the referred well /bore well and monitor the quantity which should not exceed the permitted level. **Proper Records** should be maintained continuously from the date of drawal. Monthly statement of daily drawal of water should be sent to the Executive Engineer, Groundwater Division, Trichy as per format enclosed.
- 7 As and when the officials of Ground Water Wing of WRD inspect the site/premises, perusal of drawal records and water quality observations should be allowed.
- 8 **Rain water harvesting structure** is to be established as per the direction of this department. Rain water harvesting structures already exist inside the plant premises, it should be maintained properly.
- 9 **Violation of the above stipulations in any form may lead to cancellation of the permission accorded by the Government.**
- 10 The Company should be ready to pay the **levy/charges for drawal of ground water** for commercial purposes, if Government / Ground Water Authority imposes any such orders in future.
- 11 The company has to **drill one new bore well** within the extraction well located premises for monitoring water level and observing water quality within 30 days from the date of issue of NOC. The bore well should have been **constructed with platform and locking arrangements** (in full shape). If any bore well already existing and unused within the premises of the plant the same may also be utilized for the purpose.
- 12 It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will be vary from permitted quantity. The company should make alternate arrangements for the reducing quantity for sustaining their industrial activity by means of availing water through local bodies/by desalinization of sea water /or using the urban waste water after proper treatment
- 13 The Missing Documents Should be submitted within 90 days from the receipt of No Objection Certificate, otherwise issued No Objection Certificate will be cancelled without prior information.
- 14 As per the G.O.(Ms).No 142 PW(R2)Department dt:23.07.2014, NOC should be renewed every year for water based industries.
- 15 This No Objection Certificate is applicable **only for the purpose of "Cement Industry-Power Plant Sector"**, if any deviation in the usage of ground water is found, the NOC accorded is automatically deemed to be cancelled.
- 16 The Executive Engineer, Ground Water Division/ The Assistant Director (G), Groundwater Sub Division/The Assistant Geologist of the respective District **would inspect** either the rain water harvesting structures established in the premises of the firm or the records maintained or even the drawal of ground water as and when needed and it is the mandatory of the firm to maintain the Rain water harvesting structure/ structures properly and show the records needed.
- 17 If any information / Documents submitted by this firm is found to false / in correct or any data provided by the firm is found to be incorrect, the NOC issued to the firm will be cancelled by this department without any prior notice.



Chief Engineer, (SG&SWRDC),
WRD, Tharamani, Chennai- 113.

Annexure - 6

CSR Activities in Ariyalur

- ❖ A total 2746 beneficiaries supported under Gram Parivartan/ Livelihood project viz. Sewing machine, battery sprayer, goat support, tarpaulin sheet, poultry, poultry cage, High yield chilli seedlings, micro enterprise, Napier grass stems and manual seeder machine.
- ❖ Extended financial assistance for a tune of INR 8 lakhs to 2 SHG associations (4 lakhs to each SHG) at Ottakovil and Salaikurichi for the benefit of 267 women beneficiaries.
- ❖ 90 women supported under skill training on palm leaf basket making and food value added products.
- ❖ A total of 246 youth trained in DIKSHa on trades like Home Health Aide – 74, Assistant Electrician – 57, Customer Relationship Management – 55 and Ari Embroidery – 60.
- ❖ WoW Bus - Conducted village awareness program on SHG, Integrated Farming and financial literacy for 70 beneficiaries.
- ❖ WoW Bus - 80 school students oriented on Cyber Security and TB awareness.
- ❖ In partnership with NABARD, total of 1152 farmers trained on integrated farming system.
- ❖ 20 model farms were developed by providing training through technical exports from various Government and research institutions.
- ❖ Organized general medical camp at Asthinapuram and Nallampathi village, a total of 1044 individuals benefited.
- ❖ Social Infrastructure - RO plant with 500 LPH is established in Nallmbathai.
- ❖ Supported Thamaraikulam and Ottakovil school with smart board facility & drinking water facility to Edyathankudi school.

CSR Activities in Ariyalur



Battery Sprayer Distribution



Tarpaulin Distribution



Livelihood development fund distribution



Distribution of Sewing Machines



RO Plant



DIKSHa Centre Inauguration



Farmers Training, Cholamadevi



Palm Leaf Basket



Livelihood Support - Goatry

Annexure - 7



Santhamurthy
 17/1999
 1 & Grand Children
 Lakshmi

JUMBO CRATES



PALLETS



Loading goods, unloading worries...

Brite Planks crates & pallets -
 robust, durable and a complete
 way to transport products from
 your factory / warehouse to
 vendors. Applications:
 Automobiles, Dairies, Food
 Products, Chemicals, etc.



Brite Brothers Limited

100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Material movement Brite movement

THE BRISOL TUESDAY
 July 11, 2006

PUBLIC NOTICE

The Ministry of Environment & Forests, New Delhi had accorded Environmental Clearance to the Proposed Project of 2.0 MTPA Clinker & 3.0 MTPA Cement and 27 MW Power Plant by M/S. Dalmia Cement (Bharat) Limited at Govindapuram Village of Ariyalur Taluk, Ariyalur District, Tamil Nadu.

The Copies of the clearance are available with Tamil Nadu Pollution Control Board and also in the website of Ministry of Environment & Forest at <http://envfor.nic.in>

Management

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10/04/06

City Computers

Intel Core 2 Duo
 2.4GHz Processor
 Intel 945 Chipset
 1GB DDR2 RAM
 20 X 16 DVD Writer
 150 GB Seagate HDD
 TX Tower Case
 TVS Key Board &
 PS2 Optical Mouse
 19" Acer Wide LCD
 Flat Monitor
 1 Year Warranty
 Full Service & Credit Card
 Facility Available

10/04/06

City Computers

Kumbakonam

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10/04/06

City Computers

Kumbakonam

The
 Hindu
 01/04/11

01/07/08

Annexure - 8

Online Emission Monitoring systems and Real Time display



Sick Opacity meter in all stacks

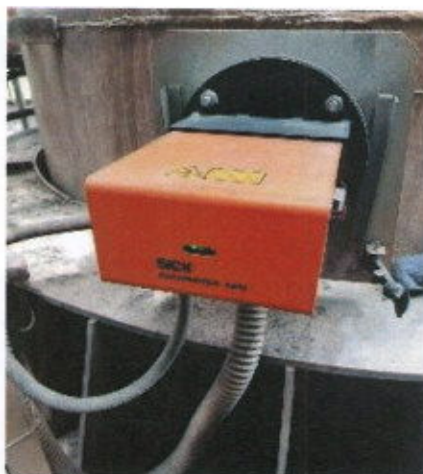


ABB SO₂, NO & O₂ analyser



CAAQM Station



Emission display in Main Gate



Online Monitoring at STP



Online Monitoring at ETP

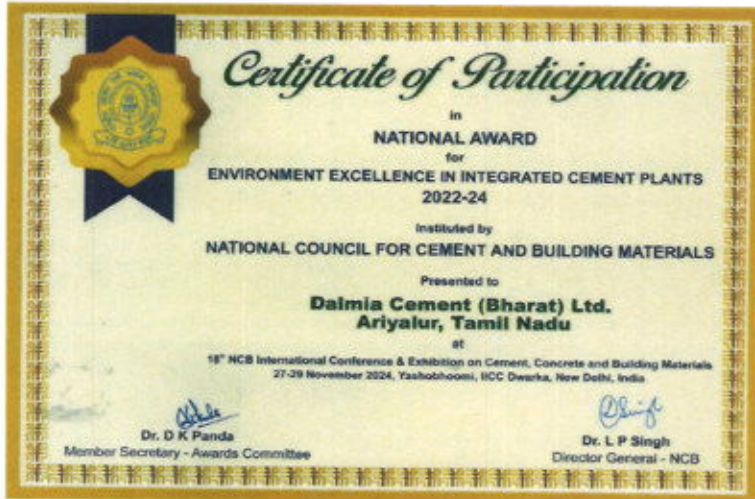
Annexure – 9

Awards & Accolades

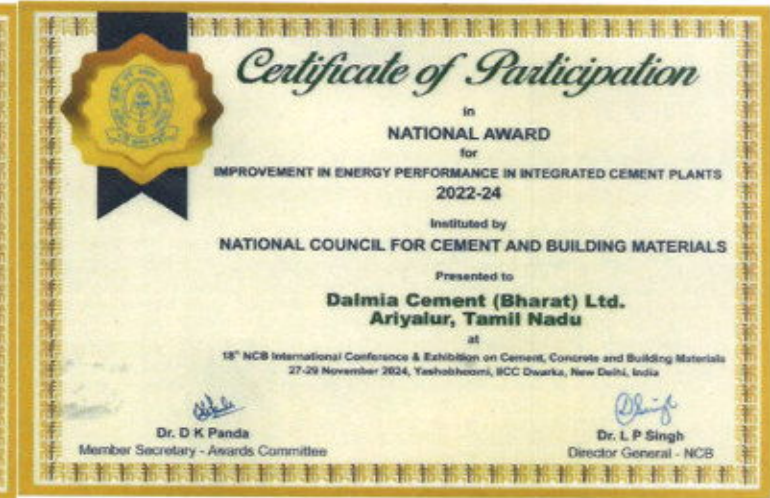
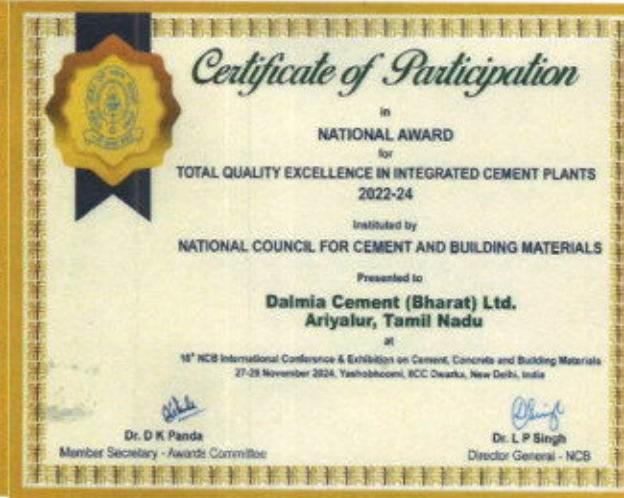
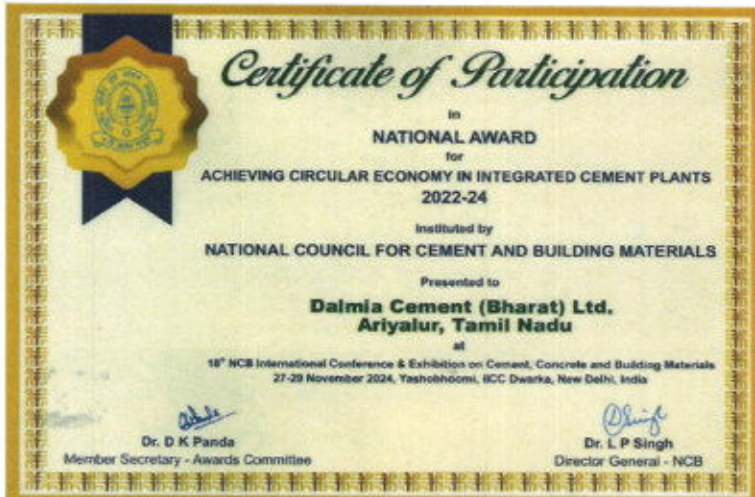
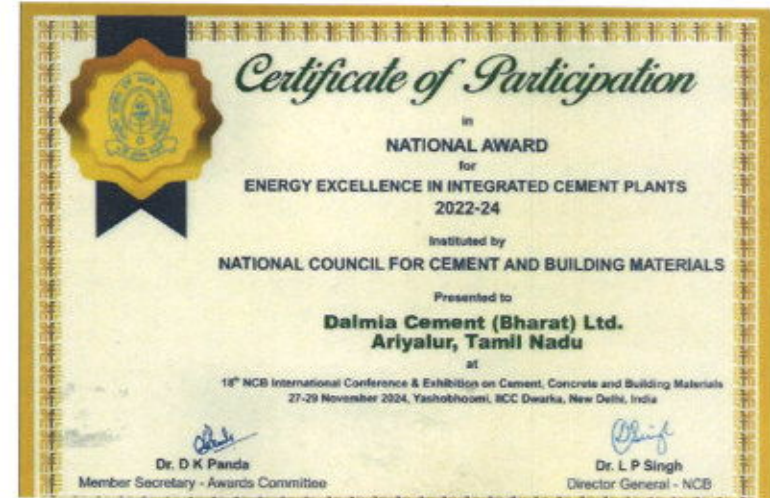
25th National Award for Excellence in Energy Management 2023 organized by CII
“Excellent Energy Efficient Unit” - 13th Consecutive year
“National Energy Leader” – 5th Consecutive year.



Awards & Accolades

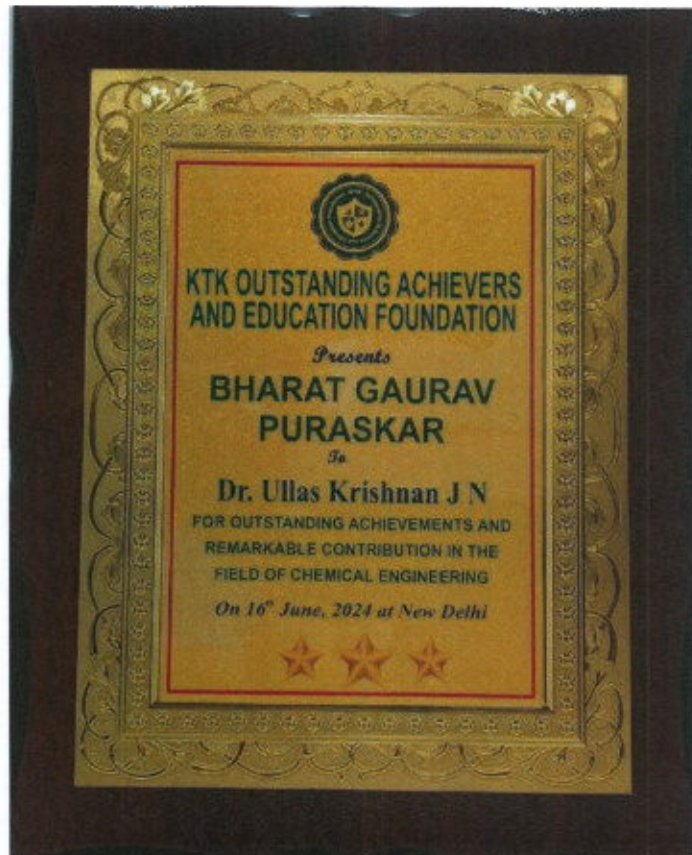


**“Certificate of participation”
in National Award for
Integrated Cement Plants for
2022-24 from National
Council of Cement and
Building Materials**



Awards & Accolades

“Bharat Gaurav Puraskar” to Dr. Ullas Krishnan JN for outstanding achievements and remarkable contribution in the field of Chemical Engineering by KTK Outstanding Achievers and Education Foundation.





Thank You