

cement! sugar! refractories! power!

Date: 28.11.2022

То The Member Secretary, State Level Environment Impact Assessment Authority, Jharkhand Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi-Jharkhand -834004

Subject: Half yearly Environment Clearance (EC) Compliance report of Dalmia Cement (Bharat) Limited, Bokaro for the period of April 2022 to September

Ref: EC Letter no. EC/SEIAA/2018-19/2138/2019/474, Ranchi, Dated:23.09.2019.

Dear Sir,

Please find enclosed herewith half yearly Environment Clearance compliance report of Dalmia Cement (Bharat) Limited, Bokaro, Jharkhand for the period of April'2022 to September '2022 for your kind perusal.

Thanking you.

Yours Sincerely,

For Dalmia Cement (Bharat) Limited, Bokaro

Authorized Signatory

- 1. The Director, Ministry of Environment, Forest and Climate Change, 2nd Floor, Headquarter-Jharkhand State Housing Board, Harmu Chowk, Ranchi,
- 2. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, Delhi-110032
- 3. The Member Secretary, Jharkhand State Pollution Control Board, Township Administration Building, HEC Complex, Dhurwa, Ranchi-834004
- 4. Regional Environmental Officer, Jharkhand State Pollution Control Board Dhanbad, HIG-1, Sardar Patel Nagar, Hirapur Dhanbad-826001

Enclosed:

- 1. EC Compliance Report (Page no-1-15)
- 2. Annexure -1 to 8 (Page no-16-56)

Plot No. IV/A-7(P), Bokaro Industrial Area, Balidih, Bokaro Steel City, Bokaro - 827 014, Jharkhand, India T+91 6542 253 278 / +91 6542 253 047 Toll Free 1800 2020 W www.dalmiacement.com CIN: U65191TN1996PLC035963 Registered Office: Dalmiapuram, District Tiruchirappalli - 621 651, Tamil Nadu, India A **Dalmia Bharat Group** company, www.dalmiabharat.com

DALMIA CEMENT (BHARAT) LIMITED, BOKARO ENVIRONMENT CLEARANCE COMPLIANCE REPORT FROM APRIL 2022 TO SEPTEMBER 2022

EC Letter No.-EC/SEIAA/2018-19/1997/2138/2019/474 Ranchi, Dated:23.09.2019.



Dalmia Cement (Bharat) Limited Plot No. IV/A-7(P), Bokaro Industrial Area, Balidih, Bokaro Steel City, Jharkhand- 827014

Plot No.: IV/A-7(P), Bokaro Industrial Area, Balidih, Bokaro Steel City, Jharkhand — 827014.

ENVIRONMENT CLEARANCE COMPLIANCE REPORT OF DALMIA CEMENT (BHARAT) LIMITED FOR THE PERIOD OF APRIL 2022 TO SEPTEMBER 2022

EC Letter No.-EC/ SEIAA / 2018-19 /2138/ 2019/ 474, Ranchi Dated:23.09.2019.

	EC Compliance Condition	EC Compliance Status
I	Specific Condition	
	This Environmental Clearance is valid subject to the following condition below —	Complied with.
	That this project has- a. Obtained all legal rights to operate at concerned place.	a. Obtained all necessary statutory clearance to operate our stand-alone cement Grinding Unit.
	b. Complied with all existing concerned laws of the land and	b. Complied all legal law of land with respect to our unit
	c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.	c. Complied with.
II	Statutory Compliance	
1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not Applicable. The unit is located in notified Industrial area at BIADA, Bokaro, Jharkhand with due allocation through Govt of Jharkhand.
2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable. There is no wild life sanctuary within 10 km radius of our unit.
3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)	Not Applicable. The unit is located in notified industrial area at BIADA Bokaro. There is no record of schedule -I species within 10 km radius of our unit. Therefore, there is no need for site specific conservation plan/ wild life management plan.

4	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Complied with. Our Unit has obtained CTE from JSPCB Ranchi vide letter no JSPCB/HO/RNC/CTE-11785214/2022/96 Dated: 06.03.2022 CTO obtained vide letter no JSPCB/HO/RNC/CTO-13089032/2022/837, Dated12.06.2022 for the plant expansion from 3.7 MTPA to 4.50 MTPA from JSPCB Ranchi and CTO valid up to 31.03.2023.
5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project	Complied with. This is a standalone cement grinding unit, where, water requirement for process is zero. The small quantity of water is required for cooling purpose, which is obtained from BIADA. The Unit have water agreement with BIADA for the supply of water to DCBL Bokaro.
6	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time	Complied with. DCBL, Bokaro has obtained Authorization of Hazardous waste from JSPCB, Ranchi vide letter no JSPCB/HO/RNC/HWM-9675664/2021/26, Dated 09.04.2021, which is valid up to 31.12.2026.
7	No mining /activity shall be undertaken in the forest land or deemed forest without obtaining prior forestry clearance.	Not Applicable to our unit operations
8	This Environmental Clearance is granted subject to final outcome of Hon'ble supreme court of India . Hon'ble High Court ,Hon'ble NGT, MoEF&CC and any other Court of Law, if any, as, may be applicable to this project.	Agreeable
9	Environmental Clearance is subject to obtained prior clearance from forestry and wildlife angle including clearance from standing committee of NBWL as may be applicable to this project (in case any fauna occurs /is found in the project area or if the area involves forest land or Wildlife habitat I.e core zone of elephant/tiger reserve etc. and located within 10 km of protected area.	Not applicable. The unit is located in notified Industrial area at BIADA, Bokaro, Jharkhand with due allocation through Govt of Jharkhand.
10	The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without	Not applicable. The unit is located in notified Industrial area at BIADA, Bokaro, Jharkhand with due allocation through Govt

	respective merits, no rights will vest in or accrue to them unless all clearance are obtained.	
III	Air quality monitoring and preservation	
1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. no 612 (E) dated 25 August ,2014 (Cement) and subsequent amendment dated 9th May 2016 (Cement) and connected to SPCB and CPCB online server and calibrate these system from time from time to according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. Monitor fugitive emissions in the plant premises.	Complied with. Unit has already installed on line continuous emission monitoring system in our process stack and connected to JSPCB & CPCB server. On line stack emission monitoring data continuously transmitted to CPCB & JSPCB server. Regular maintenance and calibration are being done of stack emission monitoring equipment.
2	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.).	Complied with. We are regularly monitoring fugitive dust emission in our plant by JSPCB & NABL approved laboratory. Copy of all Environmental monitoring reports from April 2022 to September 2022 is attached as per Annexure-1
3	The project proponent shall install system to carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM-10 and PM-2.5 in reference to PM emission, and S02 and NOx in reference to S02 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)	Complied with. We have installed 2 Nos On-line Continuous AAQM monitoring station in up wind and downwind directions with parameter of PM-10, PM-2.5, SO2 & NOx, at the boundary location of the unit. Continuous AAQM monitoring equipment is transmitting data to JSPCB, & CPCB server through wide area network. The same data is also displayed at the factory main gate. Unit have also installed 4.nos manual AAQM monitoring station at 120-degree direction of a plant boundary location. AAQM reports are being regularly submitted to JSPCB Ranchi and Regional office at Dhanbad on monthly basis. Six monthly average AAQM report attached as per Annxure-1
4	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of	Complied. Six monthly environmental monitoring reports from April 2022 to September 2022

	manual stack monitoring and manual monitoring of air quality/fugitive emissions to Regional office of MoEF&CC, Zonal office of CPCB and Regional of SPCB along with six monthly monitoring report	attached as per Annexure-1
5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied. We have installed 2 nos Bag house in VRM mills for the control of air pollution. The Bag house stack emission maintained below 30 mg/Nm3. Apart from this 33 nos of nuisance bag filter installed in all material transfer points to control the fugitive dust emission. All belt conveyors are fully covered for the control off fugitive dust emission. Raw materials and products are stored in covered sheds and silos. regular cleaning of roads by 2 no's road sweeping machine. Good housekeeping is being maintained all around the plant.
6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied. Regular maintenance of bag filters, leakage checking, cleaning of bag filters is being done by dedicated mechanical maintenance team as per schedule.
7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Complied. Applicable CREP compliance conditions complied.
8	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Complied. Regular road sweeping and floor cleaning is being done by 2 no's vacuum sweeping machine for the control of fugitive dust emission. Good housekeeping is being maintained in all around plant premises area.
9	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	Complied. All raw materials are being transported in covered belt conveyors. Raw material & products is being transported in covered tarpaulin trucks / bulkers /rail for the control of material spillage as well as control of fugitive dust emission.
10	Provide wind shelter fence and chemical spraying on the raw material stock piles;	Complied. We have constructed plant boundary walls around the plant along with thick green belt, which act as wind shelter or wind shield for

		contaminants. We have boundary wall erected between plant and hostels which act as wind shields. We have also constructed walls around packing unit, which act as wind shelter. Raw materials stored in covered sheds and silos.
11	Have separate truck parking area and monitor vehicular emissions at regular interval.	Complied. Separate truck parking facility provided to park trucks. Regular checking of vehicles PUC certificates which entering in plant to control of vehicular emission.
12	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.	Complied. All raw materials and products are being transported in covered trucks, bulker, covered conveyor belts/railways to reduce the fugitive dust emission. Regular water sprinkling is being done on the roads through water spray tanker to control of fugitive dust emission.
13	Ventilation system shall be designed for adequate air changes as per ACGIH Document for all tunnels, motor houses, cement bagging plants.	Complied. Air ventilation system arrangement done for adequate air change in motor houses and packing plant area.
IV	Water quality monitoring and preservatio	n:
1	The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 as amended from time to time and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)	Our unit is standalone cement grinding unit and does not require water for process. The water is only used for equipment cooling in closed loop. Makeup water is only added. Therefore, there is no effluents generated from our process. In view of this effluent monitoring system is not relevant for our unit.
2	The project proponent shall monitor regularly ground water quality at least twice a year (pre	Complied with.
	and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	We are taking water from BIADA for plant operation and domestic use. however, we are regularly monitoring ground water quality and depth level in surrounding village wells. Water quality & wells depth level reports of surrounding village attached as per

		Annexure-1
3	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	There is no effluent generation from our unit as it does not require water for its process. Ground water monitoring reports are being regularly submitted to MoEF&CC regional office, Zonal office of CPCB and regional office of SPCB as a part of EC compliance. Ground water quality analysis report attached as per Annexure-1
4	Adhere to 'Zero Liquid Discharge	Complied with . Zero Liquid Discharge is being maintained.
5	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	Complied with. 100 KLD STP is in operation for the treatment of domestic waste water. Treated sewage quality meet the prescribed standard norms. Treated water analysis report attached as per Annexure-1
6	Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.	Complied with. Garland drain are existing in the raw material yard to accumulate run off water in a settling pit. As a practice, we collect water from pit in water tanker and use it for water sprinkling on our internal roads, on daily basis.
7	The project proponent shall practice rainwater harvesting to maximum possible extent.	Complied with. Rain water harvesting system implemented in our unit to recharge the ground water and same is also approved from Ground Water Board, Ranchi. We have also renovation of wells and pounds near surrounding village area to conserve the rain water.
8	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Complied . Water meter installed at inlet of our unit.
9	The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water practicing cascade use and by recycling treated water.	Complied. Optimum use of water is practiced and all necessary efforts has been made to reduce water consumption in our plant.
V	Noise monitoring and prevention	

1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six- monthly compliance report.	Compiled Noise level are being regularly monitored in different locations of Unit. Noise level report is being regularly submitted to Ministry, CPCB, JSPCB as a part of sixmonthly EC Compliance report. Six monthly noise level report attached as per Annexure-1
2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Being complied.
VI	Energy Conservation measures:	
1	Provide solar power generation on roof tops of buildings for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Complied with. We have installed solar plate light in plant, colony area and truck parking area. We have also initiated to install more solar light in plant.
2	Provide the project proponent for LED lights in their offices and residential areas,	Complied with . LED bulbs are being used in all offices and residential areas for the lighting purpose.
3	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS Standards. Waste management	Complied with. Slag and fly ash are being used as a raw material for cement manufacturing as per BIS norms.
VII	Waste management	
1	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.	Complied with. Hazardous waste Authorization obtained from JSPCB vide letter no JSPCB/HO/RNC/HWM-9675664/2021/26, Dated 09.04.2021, which is valid up to 31.12. 2026. Hazardous waste such as used oil, waste oil disposed through authorized vendor.
2	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)	Complied with. Kitchen waste composted and used in greenbelt development.
VIII	Green Belt and EMP:	

1	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	Complied with. We have developed greenbelt in 33% of the total land of unit. Tree plantation report attached as per Annexure-2
2	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation	Dalmia Cement (Bharat) Limited Bokaro is a standalone cement grinding unit for the manufacturing of blended cement by utilizing industrial waste -such as slag, fly ash and gypsum. Only small quantity of coal is used in HAG for moisture drying in raw material slag. The GHG emission inventory and action plan for the reduction of GHG emission report attached as per Annexure-3 .
IX	Public hearing and Human health issues	
1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied with. On side emergency preparedness plan, Hazard identification and Risk Assessment (HIRA) already prepared and same is approved by Chief Factory Inspector of Jharkhand.
2	The PP shall provide Personal Protection Equipment (PPE) as per the norms of factory Act.	Complied with. All Personal protective equipment's (PPE) Safety shoes, Nose mask, safety helmet, earplug, provided to all employees and contract workers for their safety.
		Safety training is being regularly done among the employees for the awareness of safe working culture.
3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking. mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied with. All necessary infrastructure / facility provided to construction labour during construction phase of the project and also removed temporary houses after completion of project
4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Complied Periodic medical health checkup is being regularly done to all employees and workers every six months. reports are being maintained as per Factory Act.

X	Corporate Environment Responsibility	
1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Being Complied. we are regularly doing CREP surrounding village area which is as follows: 1.Wells & Pond renovation done surrounding village area for water conservation. 2. street light & solar light installed in village 3.Tree plantation done surrounding village 4 Toilet constructed in schools 5. Renovation of school building, community hall and Aganwadi surrounding village area.
2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six- monthly report.	Complied with. DCBL Bokaro have Environmental Management Policy duly approved from Board of Director. copy of Environment policy attached herewith as per Annexure-4
3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive. who will directly to the head of the organization.	Complied. Environment Management Cell has been established at our plant as well as at Corporate headquarter for the management of environmental activities with qualified person. Environment management cell is headed by Executive Director (Plant Head) in our unit.
4	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance	Action plan for EMP implementation is in place. Separate budget allocated for Environment Protection. It is ensured that budget shall not be diverted for any other purpose. Expenditure on environmental protection is being regularly submitted to Ministry and his Regional Office as a part of EC compliance report. Expenditure on Environment Protection (Capital cost & Recurring cost) from April 2022 to

	Report.	September 2022 is attached as per Annexure-5
5	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied with. Self-Environment audit is being regularly done for the continual improvement of environment quality in our plant. Self-Environment audit report attached as per Annexure-6 . Third party Environment audit report submitted in pervious compliance report October 2021 to March 2022.
6	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented. Miscellaneous:	Not relevant
x	Miscellaneous	
1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	We have advertised our Environmental Clearance in local new papers (Hindustan Times Ranchi, Hindi News Aaj), which are widely circulated in the region and copy of the same attached herewith as per Annexure-7.
2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in tun has to display the same for 30 days from the date of receipt.	Complied. We have submitted Environment Clearance copy to local Panchayat and other Govt. bodies, district head quarter. receiving copy of the same attached herewith as per Annexure-8
3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied.
4	The project proponent shall monitor the criteria pollutants level namely; PM_{10} , SO_2 . NO_x (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on	Complied . On-line environment monitoring data is being regularly displayed at factory main gate for the notice of public.

	the website of the company.	
5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied.
6	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied Environment Statement in Form V is regularly submitted to JSPCB, Dhanbad & Ranchi. Last Environment Statement was submitted vide our letter no. DCBL/ENV-ES/21-22/01, Dated 20.09.2022.
7	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project	Date of final approval: 04.02.2019 for change of energy efficient motor in VRM mill (for 3.70 MTPA EC) Date of financial closure:10.10.2019 (for 3.70 MTPA EC) Date of Land development: There is no land development as the change happen due to change in energy efficient motor replaced 10.01.2020. Date of Production date: 06.03.2020 (3.70 MTPA)
7(I)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted & agreed.
7(II)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	Commitments and recommendations made in EIA/EMP is being complied. DCBL located in notified industrial area (BIADA), hence, Project exempted for public hearing.
8	It shall be mandatory for the project management to submit six (06) monthly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard copies and soft copies to the regulatory authority concerned SEIAA, Regional Office of MoEF&CC at Ranchi, Jharkhand State Pollution Control Board(JSPCB) Ranchi, and Central Pollution Control Board(CPCB)	Noted & agreed

9	Concealing factual data or submission of false /Fabricated data and failure to comply with any of the conditions mentioned above may results in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act,1986.	Noted & agreed.
10	The SEIAA, Jharkhand or any other competent Authority may alter modify the above condition or stipulated any further condition in the interest of Environment Protection.	Noted & agreed
11	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted & agreed
12	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted & agreed
13	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions not satisfactory.	Noted & agreed
14	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted & agreed
15	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted & agreed
16	The above conditions shall be enforced, interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble	Noted & agreed

	Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 cf the National Green Tribunal Act,	Noted & agreed
18	This environmental clearance is valid for seven years from the date of issue.	Noted & Agreed

AMBIENT AIR QUALITY MONITORING REPORT FROM APRIL 2022 TO SEPTEMBER 2022

Ambient air quality monitoring report -Near Time office								
	SO2	NOx	PM-10	PM-2.5				
	μg/m3	μg/m3	μg/m3	μg/m3				
April,2022	5.9	15.8	53.6	23.8				
May,2022	8.1	17.4	55.1	26.4				
June,2022	6.4	13.2	50.6	21.8				
July,2022	6.0	12.6	48.9	22.6				
August,2022	7.4	14.9	50.4	20.5				
September,2022	6.8	13.3	47.7	19.73				
Min.	5.9	12.6	47.7	19.7				
Max.	8.1	17.3	55.0	26.3				
Avg.	6.5	14.5	51.1	22.6				

Ambient	Ambient air quality monitoring report FH-3 &4 Building								
	SO2	NOx	PM-10	PM-2.5					
	μg/m3	μg/m3	μg/m3	μg/m3					
April,2022	5.9	17.5	52.4	19.3					
May,2022	6.3	15.2	50.8	19.2					
June,2022	4.9	16.2	45.3	20.5					
July,2022	5.3	13.4	44.9	18.1					
August,2022	7.1	16.0	42.7	16.3					
September,2022	5.9	14.6	42.71	16.4					
Min	4.8	13.3	42.7	16.3					
Max.	7.1	17.5	52.4	20.5					
Avg.	5.8	15.4	46.7	18.3					

AMBIENT AIR QUALITY MONITORING REPORT FROM APRIL 2022 TO SEPTEMBER 2022

Ambient air quality monitoring report: Near Store								
	SO2	NOx	PM-10	PM-2.5				
	μg/m3	μg/m3	μg/m3	μg/m3				
April,2022	6.8	16.1	54.7	21.3				
May,2022	7.0	21.2	51.2	22.3 24.1 23.3				
June,2022 July,2022 August,2022	6.1	17.0	47.5					
	5.8	15.7	50.1					
	7.9	18.1	52.1	26.0				
September,2022	6.9	16.8	48.8	21.9				
Min	5.8	15.7	47.5	21.3				
Max	7.9	21.1	54.7	25.9				
Average	6.9	17.7	50.7	23.1				

Ambient	Ambient air quality monitoring report: Fabrication yard								
	SO2	NOx	PM-10	PM-2.5					
	μg/m3	μg/m3	μg/m3	μg/m3					
April,2022	5.5	17.4	51.5	17.2					
May,2022	6.7	19.4	51.6	24.1					
June,2022	7.4	13.7	50.0	19.0					
July,2022	6.0	14.0	47.3	17.8					
August,2022	5.6	15.5	45.6	19.5					
September,2022	6.5	14.6	48.7	14.8					
Min	5.5	13.6	45.	14.8					
Max	7.4	19.3	51.6	24.1					
Average	6.2	15.6	48.6	18.7					

JSPCB Norms

SO_2	NO_X	PM ₁₀	PM _{2.5}
$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$
80	80	100	60

MANUAL STACK EMISSION MONITORING REPORT OF VRM BAG HOUSE STACK FROM APRIL 2022 TO SEPTEMBER 2022.

Month	Min.	Max.	Avg.
Apr-22	11.38	23.04	16.76
May-22	13.76	20.37	18.23
June-22,	16.84	19.83	17.56
July-22,	14.52	21.05	19.46
August-22,	15.90	23.60	20.83
September-22,	17.46	24.81	17.86
Min.	11.38	19.83	16.76
Max.	17.46	24.81	20.83
Avg.	14.84	22.10	18.45

ONLINE STACK EMISSION MONITORING REPORTOF VRM BAG HOUSE STACK FROM APRIL 2022 TO SEPTEMBER 2022

Month	Min.	Max.	Avg.
Apr-22	13.38	26.55	21.06
May-22	7.83	24.74	18.5
June-22,	13.67	22.09	21.64
July-22,	11.23	26.69	19.97
August-22,	6.87	23.80	17.02
September-22,	8.41	24.13	19.00
Min.	6.87	22.09	17.02
Max.	13.67	26.69	21.64
Avg.	10.24	24.60	19.48

JSPCB Norms	30 mg/Nm3
-------------	-----------

NOISE LEVEL REPORT FROM APRIL 2022 TO SEPTEMBER 2022

	Near Time office							
	D	ay Time dB(A	A)		Night Time dB(A)			
Month	Min.	Max.	Avg.		Min.	Max.	Avg.	
April-2022,	63.9	66.1	64.7		60.8	63.8	61.8	
May-2022,	65.8	68.3	67.4		61.2	62.6	62.3	
June-,2022	63.1	65.1	64.2		60.6	63.7	61.7	
July,-2022	60.6	63.7	62.1		57.7	62.0	59.5	
August,2022	61.5	65.2	63.4		58.9	61.9	60.3	
September, -2022	60.8	64.6	63.2		57.5	60.8	60.2	

	Near FH 3&4 Building								
	ı	Day Time dB(A)		ſ	Night Time dB(A)			
Month	Min.	Max.	Avg.		Min.	Max.	Avg.		
April-2022,	41.8	43.8	42.8		41.2	42.4	41.8		
May-2022,	42.5	44.6	43.5		40.4	43.6	42.0		
June-,2022	43.5	43.9	43.7		42.3	42.6	42.5		
July, -2022	42.9	44.0	43.5		41.9	43.7	42.8		
August,2022	43.1	44.8	44.0		40.0	41.8	40.9		
September, -2022	42.6	43.8	43.2		41.3	42.2	41.7		

		Near Store					
	[Day Time dB(A)		Night Time dB(A)		
	Min.	Max.	Avg.		Min.	Max.	Avg.
April-2022,	63.2	66.9	65.4		60.8	63.7	62.2
May-2022,	62.8	65.3	64.2		60.3	62.5	61.7
June-,2022	64.7	68.9	66.9	1	61.8	64.7	62.8
July, -2022	62.3	65.8	63.8		61.0	62.8	62.0
August,2022	60.8	64.5	62.4		58.6	63.3	60.8
September, -2022	57.3	66.3	61.8		56.4	62.3	59.5

		Near Fabrication yard							
		Day Time dB(A)				ight Time dB(A	A)		
	Min.	Max.	Avg.		Min.	Max.	Avg.		
April-2022,	64.5	67.5	66.0		60.2	63.7	61.9		
May-2022,	63.7	66.8	65.3		61.8	63.9	62.8		
June-,2022	64.1	65.2	64.6		61.5	62.7	62.1		
July, -2022	60.4	62.6	61.5		56.4	60.1	58.3		
August,2022	63.3	69.8	66.6		61.1	62.4	61.8		
September, -2022	62.3	64.3	63.3		60.3	62.1	61.2		

FUGITIVE DUST EMISSION MONITORING REPORT FROM APRIL 2022 TO SEPTEMBER 2022

Sr. No	Date of monitoring	Near Mill area µg/m3	Near Coal yard µg/m3	Near Packing plant µg/m3	Near raw material yard µg/m3
1	11.04.2022	1337.8	1216.1	1027.6	867.8
2	17.05.2022	1245.2	895.7	924.7	1035.4
3	28.06.2022	1023.3	793.6	1324.5	945.12
4	20.07.2022	955.6	1072.5	922.4	933.75
5	8.08.2022	1035.7	1112.3	1135.7	1025.3
6	23.09.2022	875.2	928.5	793.4	894.5
	Min.	875.2	793.6	793.4	867.8
	Max.	1337.8	1216.1	1324.5	1035.4
	Avg.	1085.73	1003.55	1030.775	950.63

Fugitive dust CPCB Norms	2000 μg/m3
--------------------------	------------

GROUND WATER LEVEL REPORT OF SURROUNDING VILLAGES FROM APRIL 2022 TO SEPTEMBER 2022

Location	Coordinate of	Distance from Plant site (KM)	lant Depth from ground (feet)						
	Site		April-	May-	June-	July-	August-	September-	
		Month	2022,	2022,	2022,	2022,	2022,	2022,	
Pakhriatand	23070'5590"N								
(Near Anganwadi)	86006'2678" E	1	23'8"	24'5"	24'9"	26'3"	23'4"	11'5"	
Tupkadi									
(Near Electric	23071'3362"N								
Pole)	86006'1573" E	1	19'9"	20'7"	21'0"	22'6"	20'9"	11'7"	
Godawali	23068'7751"N								
(Near Temple)	86006'0031" E	1	10'5"	11'2"	11'9"	12'4"	9'7"	3'7"	
Bhutkuru									
(Near primary	23070'4642"N								
School)	86005'1418" E	1	20'1"	20'7"	20'8"	20'3"	19'8"	11'8"	

DALMIA CEMENT BHARAT LIMITED, BOKARO STP OUTLET WATER QUALITY ANALYSIS REPORT

			Suspended	COD	BOD	Oil &
Sr. No	Parameter	PH	solids mg/lit	mg/lit	mg/lit	Grease mg/lit.
	Norms	5.5-9.0	100	250	30	10
	1					
1	April-2022	7.5	82	78	21.0	5.2
2	May-2022	7.2	76	64	16.0	6.5
3	June-2022	7.5	62	19	12.0	6.9
4	July-2022	7.1	73	24	13.9	5.7
5	August,2022	7.2	71	27	15.2	5.9
6	September-2022	7.4	70	26	12.6	4.8
	Min.	7.1	62	19	12	4.8
	Max.	7.54	82	78	21	6.9
	Avg.	7.33	72	42	15.5	5.8

THIRD PARTY ENVIRONMENT MONITORING REPORT FROM APRIL 2022 TO **SEPTEMBER 2022**

Ambient Air Quality monitoring report





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report No. (ULR No.)		TC994822000000980F		
Name of Industry M/s Dalmia Cement (Bharat) Limited		Particular of the Plant Cement Manufac		
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	26.09.2022 to 27.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/03	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location -: Gorabali Village Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 29.0 Relative Humidity (%) Barometric Pressure (mBar)

: 1006 Smell or Odour No Remarkable smell

Weather Condition : Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Gorabali Village)	Requirements/Specifications as per CPCB
1.	Particulate Matter as PM _{2.5}	μg/m ³	IS 5182 (Part 24)	30.2	60 (μg/m ³)
2.	Particulate Matter as PM ₁₀	μg/m ³	IS 5182 (Part 23)	72.2	100 (μg/m³)
3.	Sulphur Dioxide as SO ₂	μg/m ³	IS 5182 (Part 2)	18.4	80 (μg/m³)
4.	Nitrogen Dioxide as NO ₂	μg/m³	IS 5182 (Part 6)	36.5	80 (µg/m³)
5.	Ozone	μg/m ³	IS 5182 (Part 9)	32.6	180 (µg/m³)
6.	Ammonia	μg/m³	IS 5182 (Part 25)	28.3	400 (μg/m³)

*** END OF REPORT ***

Remarks: The ambient air quality with respect to Particulate matters, SO2 and NO2 are within the prescribed National Ambient Air Quality Standard.

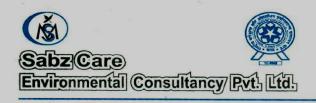
Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory Quality Manager

(Piyush Ranjan)

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Repor	No. (ULR No.)	TC994822000000980F		
Name of Industry M/s Dalmia Cement (Bharat) Limited		Particular of the Plant Cement Manufactu		
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	26.09.2022 to 27.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/03	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location-: Gorabali Village Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

Average Ambient Temperature (°C) : 29.0
 Relative Humidity (%) : 79

Smell or Odour : No Remarkable smell

Weather Condition : Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Khutri Village)	Requirements/Specifications as
1.	Arsenic	ng/m³	EPA Compendium Method IO-3.2 & APHA 23rd Edition	BDL (MDL-02)	***
2.	Lead	ug/m³	IS 5182 Part 22	BDL (MDL-0.004)	1 3
3.	Nickle	ng/m³	IS 5182 Part 26	BDL (MDL-04)	-
4.	Benzene	ug/m³	IS 5182 Part 11	BDL (MDL-0.06)	_
5.	B (A) P	ng/m³	IS 5182 Part 12	BDL (MDL-0.18)	-
6.	со	mg/m³	IS 5182 Part 10	BDL (MDL-1.8)	-

*** END OF REPORT ***

Remarks: The ambient air quality with respect to above tested parameters are within the prescribed National Ambient Air Quality Standard

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation.
 Samples will be preserved as per the standard method.

Authorized Signatory

Quality Manager (Piyush Ranjan)

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





ters start intracing about nature for tomorrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000981F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	27.09.2022 to 28.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust'and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/04	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location -: Near Main Gate (Clear)

Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

Average Ambient Temperature (°C) : 28.4
 Relative Humidity (%) : 82

3. Barometric Pressure (mBar) : 1006 4. Smell or Odour : No Remarkable smell

5. Weather Condition : Clea

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Near Main Gate)	Requirements/Specifications as per CPCB
1.	Particulate Matter as PM _{2.5}	μg/m³	IS 5182 (Part 24)	38.0	60 (μg/m³)
2.	Particulate Matter as PM ₁₀	μg/m ³	IS 5182 (Part 23)	71.4	100 (μg/m³)
3.	Sulphur Dioxide as SO ₂	μg/m³	IS 5182 (Part 2)	8.4	80 (μg/m ³)
4.	Nitrogen Dioxide as NO ₂	μg/m³	IS 5182 (Part 6)	16.8	80 (µg/m³)
5.	Ozone	μg/m ³	IS 5182 (Part 9)	9.1	180 (µg/m³)
6.	Ammonia	μg/m ³	IS 5182 (Part 25)	7.2	400 (μg/m³)

*** END OF REPORT ***

Remarks: The ambient air quality with respect to Particulate matters, SO₂ and NO₂ are within the prescribed National Ambient Air Quality Standard.

· Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation.
 Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB

Quality Manager (Piyush Ranjan)





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

Authorized Signatory Quality Manager (Piyush Ranjan)

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000981F		
Name of Industry M/s Dalmia Cement (Bharat) Limited		Particular of the Plant Cement Manufac		
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	27.09.2022 to 28.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust'and Gases	Sample Collected by	Ranjeet Vadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/04	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location -: Near Main Gate (Clear)

Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

Average Ambient Temperature (°C) : 28.4 2. Relative Humidity (%)
3. Barometric Pressure (mBar)
4. Smell or Odour
5. Weather Condition

: 1006 : No Remarkable smell

: Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Khutri Village)	Requirements/Specifications as
1.	Arsenic	ng/m³	EPA Compendium Method IO-3.2 & APHA 23rd Edition	BDL (MDL-02)	-
2.	Lead	ug/m³	IS 5182 Part 22	BDL (MDL-0.004)	1
3.	Nickle	ng/m³	IS 5182 Part 26	BDL (MDL-04)	- 10
4.	Benzene	ug/m³	IS 5182 Part 11	BDL (MDL-0.06)	-
5.	B (A) P	ng/m³	IS 5182 Part 12	BDL (MDL-0.18)	-
6.	со	mg/m³	IS 5182 Part 10	BDL (MDL-1.8)	-

*** END OF REPORT ***

Remarks: The ambient air quality with respect to above tested parameters are within the prescribed National Ambient Air Quality Standard

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000982F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	27.09.2022 to 28.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust'and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/05	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location-: Near Store & Purchase

Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 29.5 2. Relative Humidity (%) : 77 : 1007 3. Barometric Pressure (mBar)

4. Smell or Odour : No Remarkable smell

5. Weather Condition

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Near Diesel Pump)	Requirements/Specifications as per CPCB
1.	Particulate Matter as PM _{2.5}	μg/m³	IS 5182 (Part 24)	28.6	60 (μg/m³)
2.	Particulate Matter as PM ₁₀	μg/m³	IS 5182 (Part 23)	76.7	100 (μg/m³)
3.	Sulphur Dioxide as SO ₂	μg/m³	IS 5182 (Part 2)	16.1	80 (μg/m³)
4.	Nitrogen Dioxide as NO ₂	μg/m³	IS 5182 (Part 6)	26.4	80 (μg/m³)
5.	Ozone	μg/m³	IS 5182 (Part 9)	12.3	180 (μg/m³)
6.	Ammonia	μg/m³	IS 5182 (Part 25)	13.0	400 (μg/m³)

*** END OF REPORT ***

Remarks: The ambient air quality with respect to Particulate matters, SO2 and NO2 are within the prescribed National Ambient Air Quality Standard.

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

> Quality Manager (Piyush Ranjan)

Authorized Signatory puyush

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





Authorized Signatory puyush Quality Manager (Piyush Ranjan)

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000982F	
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical
Date of Sampling	27.09.2022 to 28.09.2022	Group	Atmospheric Pollution
Type of Sample	Suspended Dust'and Gases	Sample Collected by	Ranjeet Yadav & Team
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved
Sample ID	SCECPL/TR/22/319/AA-282/05	Sample Drawn By	Sabz Care Lab
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022

A. GENERAL INFORMATION

Location of Sampling: Location-: Near Store & Purchase

Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 29.5 : 77 : 1007 2. Relative Humidity (%) 3. Barometric Pressure (mBar)

Smell or Odour : No Remarkable smell

5. Weather Condition

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Khutri Village)	Requirements/Specifications as
1.	Arsenic	ng/m³	EPA Compendium Method IO-3.2 & APHA 23rd Edition	BDL (MDL-02)	in the second se
2.	Lead	ug/m³	IS 5182 Part 22	BDL (MDL-0.004)	1
3.	Nickle	ng/m³	IS 5182 Part 26	BDL (MDL-04)	_
4.	Benzene	ug/m³	IS 5182 Part 11	BDL (MDL-0.06)	_
5.	B (A) P	ng/m³	IS 5182 Part 12	BDL (MDL-0.18)	· · · · · · · · · · · · · · · · · · ·
6.	со	mg/m³	IS 5182 Part 10	BDL (MDL-1.8)	-

*** END OF REPORT ***

Remarks: The ambient air quality with respect to above tested parameters are within the prescribed National Ambient Air Quality

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

Authorized Signatory Pryush Quality Manager (Piyush Ranjan)

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000983F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	27.09.2022 to 28.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/06	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location-: Near Fabrication Yard

Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

Average Ambient Temperature (°C) : 28.5 2. Relative Humidity (%)

3. Barometric Pressure (mBar) : 1006 Smell or Odour : No Remarkable smell

5. Weather Condition : Clear

C. TEST RESULTS

1. Particulate Matter as PM _{2.5} μg/m³ IS 5182 (Part 24) 33.6 2. Particulate Matter as PM ₁₀ μg/m³ IS 5182 (Part 23) 73.8 3. Sulphur Dioxide as SO ₂ μg/m³ IS 5182 (Part 2) 14.2 4. Nitrogen Dioxide as NO ₂ μg/m³ IS 5182 (Part 6) 20.4 5. Ozone μg/m³ IS 5182 (Part 9) 12.2 6. Ammonia μg/m³ IS 5182 (Part 25) 6.3	S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (FH-3)	Requirements/Specifications as per CPCB
3. Sulphur Dioxide as SO ₂ μg/m³ 1S 5182 (Part 2) 14.2 4. Nitrogen Dioxide as NO ₂ μg/m³ 1S 5182 (Part 6) 20.4 5. Ozone μg/m³ IS 5182 (Part 9) 12,2	1.	Particulate Matter as PM _{2.5}	μg/m³	IS 5182 (Part 24)	33.6	60 (μg/m³)
4. Nitrogen Dioxide as NO2 μg/m³ IS 5182 (Part 6) 20.4 5. Ozone μg/m³ IS 5182 (Part 9) 12,2	2.	Particulate Matter as PM ₁₀	μg/m³	IS 5182 (Part 23)	73.8	100 (μg/m³)
5. Ozone μg/m³ IS 5182 (Part 9) 12,2	3.	Sulphur Dioxide as SO ₂	μg/m³	IS 5182 (Part 2)	14.2	80 (μg/m³)
	4.	Nitrogen Dioxide as NO ₂	μg/m³	IS 5182 (Part 6)	20.4	80 (μg/m³)
6. Ammonia ug/m ³ IS 5182 (Part 25) 6.3	5.	Ozone	μg/m³	IS 5182 (Part 9)	12,2	180 (μg/m³)
Vi 15 5102 (1 att 25) 0.5	6.	Ammonia	μg/m³	IS 5182 (Part 25)	6.3	400 (μg/m³)

*** END OF REPORT ***

Remarks: The ambient air quality with respect to Particulate matters, SO2 and NO2 are within the prescribed National Ambient Air Quality Standard.

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

Authorized Signatory Pryush Quality Manager (Piyush Ranjan)

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000983F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Discipline	Chemical	
Date of Sampling	27.09.2022 to 28.09.2022	Group	Atmospheric Pollution	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Ambient Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AA-282/06	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location-: Near Fabrication Yard

Duration of Sampling: 24 hours Each Location

B. METEOROLOGICAL INFORMATION

Average Ambient Temperature (°C) 2. Relative Humidity (%)

3. Barometric Pressure (mBar) : 1006 Smell or Odour : No Remarkable smell

5. Weather Condition

: Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS (Khutri Village)	Requirements/Specifications as
1.	Arsenic	ng/m³	EPA Compendium Method IO-3.2 & APHA 23rd Edition	BDL (MDL-02)	<u> </u>
2.	Lead	ug/m³	IS 5182 Part 22	BDL (MDL-0.004)	1,
3.	Nickle	ng/m³	IS 5182 Part 26	BDL (MDL-04)	
4.	Benzene	ug/m³	IS 5182 Part 11	BDL (MDL-0.06)	<u> </u>
5.	B (A) P	ng/m³	IS 5182 Part 12	BDL (MDL-0.18)	
6.	СО	mg/m³	IS 5182 Part 10	BDL (MDL-1.8)	-

*** END OF REPORT ***

Remarks: The ambient air quality with respect to above tested parameters are within the prescribed National Ambient Air Quality Standard

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB

STACK EMISSION REPORT





lets start thinking about nating lan tomannen

Quality Manager (Piyush Ranjan)

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	No. (ULR No.)	TC994822000000995F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Discipline	Chemical	
		Group	Atmospheric Pollution	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Type of Industry	Cement Manufacturers	
Date of Sampling	29.09.2022	Sample Collected by	Ranjeet Yadav & Team	
Location	Stack	Sample condition	Sealed	
Sample Details	Stack Emission	Sample Drawn By	Sabz Care Lab	
Report No.	SCECPL/TR/22/319/ST-40/05	Period of Analysis	30.09.2022	
Plant Status	Operational	Report Release Date	05.10.2022	

GENERAL INFORMATION ABOUT STACK

Stack attached to : Grinding Mill Unit

 2. Shape of Stack
 : Circular

 3. Material of Construction
 : M.S

 4. Height of Stack from G.L (mtr)
 : 50.0 Meter

 5. Stack ID at sampling point (mtr)
 : 3.75 Meter

 12. Stack Gas Temperature (°C)
 : 101 °C

 13. Barometric Pressure (mm of Hg)
 : 754.00 mm of Hg

 14. Velocity of Gas Flow (m/s)
 : 16.20 m/s

 15. Flue Gas Quantity (Nm³/Hr)
 : 509499 Nm³/Hr

TEST RESULTS

S. No.	PARAMETERS	UNIT	TEST METHOD	RESULTS
1.	Particulate Matter	mg/Nm ³	IS: 11255 (Part 1)	21.74

*** END OF REPORT ***

*Remark:

· Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of
preservation. Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB

STP INLET & OUTLET WATER ANALYSIS REPORT





lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	No. (ULR No.)	TC994822000001004F	
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Discipline	Chemical
		Group	Pollution & Environment
Address	Plot No. IV/A – 7(P) Bokaro Industrial Area, P.O Balidih Dist Bokaro, Jharkhand-827014	Type of Industry	Cement Manufacturers
Date of Sampling	29-09-2022	Sample Collected by	Ranjeet Yadav & Team
Type of Sample	Effluent Water	Sample Condition	Sealed & Preserved
Sample Details	Inlet & Outlet Water	Sample Drawn By	Sabz Care Lab
Sample ID	SCECPL/TR/22/319/WT-185/05 & 06	Report Release Date	05.10.2022
	*	Location:	
Period of Analysis	30.09.2022 to 04.10.2022	EW1 : Inlet EW2 : Outlet	

TEST REPORT

Sl. No.	Parameter	Unit	Test Method	Minimum Detection Limit in mg/L	Result Inlet (EW1)	Result Outlet (EW2)	Requirement/Specific ations as per CPCB Guideline for Inland Surface Discharge (EPR 1986, Schedule VI)
1	pH@23.7°C		APHA-4500-H+ B: 23 rd Ed	2.0	7.34	7.50	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 2540 D: 23 rd Ed	1.0	276	73	100
3	Chemical Oxygen Demand (COD)	mg/L	APHA 5220 B: 23 rd Ed	5.0	392	27	250
4	Biological Oxygen Demand (BOD) for 3 days @ 27°C	mg/L	IS 3025 Part-44:2019	2.0	134	13	30
5	Oil & Grease	mg/L	APHA 5520-B: 23rd Ed	2.0	11	5	10

*** END OF REPORT ***

Note-

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory

Quality Manager (Piyush Ranjan)

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB

Fugitive Dust Emission report





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

Authorized Signatory Quality Manager (Piyush Ranjan)

TEST REPORT

Unique Lab Report	No. (ULR No.)	TC994822000000989F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Group	Atmospheric Pollution	
Date of Sampling	28.09.2022	Discipline	Chemical	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Fugitive Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AR-283/05	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location -: Raw Material Handling Area

Duration of Sampling: 8 hours

B. METEOROLOGICAL INFORMATION

 Average Ambient Temperature (°C) : 29.5
 Relative Humidity (%) : 77
 Barometric Pressure (mBar) : 1007 : 77 : 1007

Smell or Odour : No Remarkable smell

Weather Condition

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	
1.	Suspended Particulate Matter	μg/m³	IS- 5182 (Part-4)	708	

*** END OF REPORT ***

Remarks:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





lets start thinking about nature for townson

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

Authorized Signatory

(Piyush Ranjan)

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000990F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Group	Atmospheric Pollution	
Date of Sampling	28.09.2022	Discipline	Chemical	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Fugitive Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AR-283/06	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location -: Clinker Silo Area

Duration of Sampling: 8 hours

B. METEOROLOGICAL INFORMATION

Average Ambient Temperature (°C) : 29.5
 Relative Humidity (%) : 77

3. Barometric Pressure (mBar) : 1007
 4. Smell or Odour : No Remarkable smell

5. Weather Condition : Clear

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	
1.	Suspended Particulate Matter	μg/m³	IS- 5182 (Part-4)	836	

*** END OF REPORT ***

Remarks:

• Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation.
 Samples will be preserved as per the standard method.

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Repor	t No. (ULR No.)	TC994822000000991F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Group	Atmospheric Pollution	
Date of Sampling	29.09.2022	Discipline	Chemical	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Fugitive Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AR-283/07	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location-: Near Packing Area

Duration of Sampling: 8 hours

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 28.5

2. Relative Humidity (%) : 77
3. Barometric Pressure (mBar) : 1006

4. Smell or Odour : No Remarkable smell

5. Weather Condition : Clea

C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	
1.	Suspended Particulate Matter	μg/m ³	IS- 5182 (Part-4)	684	

*** END OF REPORT ***

Remarks:

Test values are reported based on the samples received.

Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation.
 Samples will be preserved as per the standard method.

Authorized Signatory

Quality Manager (Piyush Ranjan)

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB





lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	t No. (ULR No.)	TC994822000000992F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Particular of the Plant	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro, Jharkhand-827014	Group	Atmospheric Pollution	
Date of Sampling	29.09.2022	Discipline	Chemical	
Type of Sample	Suspended Dust and Gases	Sample Collected by	Ranjeet Yadav & Team	
Sample Details	Fugitive Air	Sample Condition	Sealed and Preserved	
Sample ID	SCECPL/TR/22/319/AR-283/08	Sample Drawn By	Sabz Care Lab	
Period of Analysis	29.09.2022 to 30.09.2022	Report Release Date	05.10.2022	

A. GENERAL INFORMATION

Location of Sampling: Location-: Near Mill Area

Duration of Sampling: 8 hours

1

B. METEOROLOGICAL INFORMATION

1. Average Ambient Temperature (°C) : 28.5

2. Relative Humidity (%)

3. Barometric Pressure (mBar)

4. Smell or Odour5. Weather Condition

: 77 : 1006

: No Remarkable smell

: Clear



C. TEST RESULTS

S.N.	PARAMETERS	UNIT	TEST METHOD	RESULTS	
1.	Suspended Particulate Matter	μg/m³	IS- 5182 (Part-4)	732	

*** END OF REPORT ***

Remarks:

- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation.
 Samples will be preserved as per the standard method.

Authorized Signatory

Quality Manager (Piyush Ranjan)

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB

DRINKING WATER ANALYSIS REPORT





lets start thinking about nature for tomorrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Report	No. (ULR No.)	TC994822000001001F			
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Type of Industry	Cement Manufacturers		
Address	Plot No. IV/A – 7(P) Bokaro Industrial Area, P.O Balidih Dist Bokaro Jharkhand-827014	Sample Collected by	Ranjeet Yadav & Team		
Discipline	Chemical	Group	Water & Residues in Water		
Date of Sampling	29.09.2022	Sample Condition	Sealed & Preserved		
Type of Sample	Water	Sample Drawn By	Sabz Care Lab		
Sample Details	Drinking Water	Report Release Date	05.10.2022		
Sample ID	SCECPL/TR/22/319/WT-185/02	Location DW2: RO Water (FH-3)			
Period of Analysis	30.09.2022 to 04.10.2022				

TEST REPORT

S.N.	Parameter	Unit	Test Method	Minimum Detection Limit in mg/L	Result (RO Water) Tap Water	Acceptable Limit as per IS 10500: 2012	Permissible Limit (In the absence of alternate source) as per IS 10500: 2012
1.	рН @ 24.7°C		IS:3025: P- 11	2.0	7.61	6.5 to 8.5	6.5 to 8.5
2.	Colour	Hazen	IS:3025: P- 4	1.0	1	5	15
3.	Odour		IS:3025 : P- 5	Qualitative	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025: P- 10	0.1	0.58	1	5
5.	Total Alkalinity	mg/L	IS:3025: P- 23	0.5	97	200	600
6.	Total Dissolved Solids	mg/L	IS:3025: P- 16	2.0	308	500	2000
7.	Calcium as Ca	mg/L	IS:3025: P- 40	1.0	66.0	75	200
8.	Magnesium as Mg	mg/L	IS:3025: P- 46	1.0	26.4	30	100
9.	Chloride as Cl	mg/L	IS:3025: P- 32	1.0	55.6	250	1000

Authorized Signatory

Quality Manager (Piyush Ranjan)

Page 1 of 2





lets start thinking about nature for towarrow

Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

10.	Fluoride as F	mg/L	IS:3025: P- 60	0.05	0.18	1.0	1.5
11.	Sulphate as SO ₄	mg/L	IS:3025: P- 24	1.0	7.61	200	400
12.	Nitrate as NO ₃	mg/L	IS:3025: P- 34	0.1	BDL	45	45
13.	Residual Free Chlorine	mg/L	IS:3025: P- 26	0.1	BDL	0.2	1
14.	Boron	mg/Ļ	IS:3025: P- 57	0.01	BDL	0.5	1
15.	Total Chromium	mg/L	IS:3025: P- 52 i	0.03	BDL	0.05	0.05
16.	Copper as Cu	mg/L	IS:3025: P- 42 a	0.03	BDL	0.05	1.5
17.	Iron as Fe	mg/L	IS:3025: P- 53 a	0.075	0.32	0.3	0.3
18.	Manganese as Mn	mg/L	IS:3025: P- 59 b	0.01	BDL	0.1	0.3
19.	Lead as Pb	mg/L	IS:3025: P- 47 iv	0.03	BDL	0.01	0.01
20.	Aluminium as Al	mg/L	IS:3025: P- 55 a	0.03	BDL	0.03	0.2

*** END OF REPORT ***

Note-

- BDL= Below Detection Limit
- Test values are reported based on the samples received.
- Samples will be destroyed after 15 days from date of issues of the Test Report subject to nature of preservation. Samples will be preserved as per the standard method.

Authorized Signatory

Quality Manager (Piyush Ranjan)

Page 2 of 2

NOISE LEVEL ANALYSIS REPORT





Recognized by JSPCB, Ranchi Accredited by NABL, ISO/IEC 17025:2017

TEST REPORT

Unique Lab Repor	rt No. (ULR No.)	TC994822000000994F		
Name of Industry	M/s Dalmia Cement (Bharat) Limited	Type of Industry	Cement Manufacturers	
Address	Plot No. IV/A – 7(P), Bokaro Industrial Area P.O Balidih, Dist Bokaro Jharkhand-827014	Group	Atmospheric Pollution	
Date of Study	28.09.2022 to 29.09.2022	Discipline	Chemical	
Sample ID	SCECPL/TR/22/319/NR-189/04,05, 06 & 07	Sample Collected By	Ranjeet Yadav	
Sample Drawn by	Sabz Care Lab	Time of Duration	24 Hours	
Sample details	Ambient Noise	Plant Status	Operational	
Method No.	IS:9989-2014	Report Release Date	05.10.2022	

Limit in Leq dB(A)

CENTRAL POLLUTION CONTROL BOARD, MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE, GOVERNMENT OF INDIA)

S.N.	CATEGORY OF AREA	DAY TIME	NIGHT TIME
1.	Industrial Area	75	70
2.	Commercial Area	65	- 55
3.	Residential Area	55	45
4.	Silence Zone	50	40

^{*}Day time is reckoned in between 6:00 A.M. & 10:00 P.M.

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/22	114

AMBIENT NOISE QUALITY REPORT

	NOISE LEVEL IN dB(A)			
Sampling Location	Ld-Mean (Day)	Ln-Mean (Night)		
1. Main Gate	62.8	56.2		
2. Near Colony	44.7	43.8		
3. Near Fabrication Yard	58.6	47.6		
4. Near Store	52.4	51.3		

*** END OF REPORT ***

Remarks-

 $dB(A) \ L_d \ \& \ L_n \ denotes \ the \ time \ weighted \ average \ of \ the \ level \ of \ sound \ in \ decibels \ on \ scale(A) \ in \ day \ and \ night \ respectively \ and \ L_{eq} \ denotes \ average \ of \ 24 \ hours \ which \ is \ relatable \ to \ human \ hearing.$

Diyush Quality Manager (Piyush Ranjan)

Authorized Signatory

ISO 9001: 2015 CERTIFIED COMPANY: OHSAS: 45001: 2018 CERTIFIED LAB

Registered Office: Aarti Bhawan, Bawan Bighas, PO- Madhupur, Dist-Deoghar-815353 (Jharkhand) Contact: 09334315731, 07563048389, e-mail: scecplmdp@gmail.com

^{*} Night time is reckoned in between 10:00 P.M. & 6:00 A.M.

DALMIA CEMENT (BHARAT) LIMTED, BOKARO

TREE PLANTATION DETAILS

Total greenbelt development area is 23.25 acres (more than 33 %) of total land 69.19 Acres to improve the aesthetic value and to arrest dust and also to mitigate noise pollution.

YEAR WISE TREE PLANTATION DETAILS GIVEN AS FOLLOWS

SL. No	Year	Number of plants	Area (in Acres)
1	1st (2011-2012)	5000	5
2	2nd (2012-2013)	2030	4
3	3rd (2013-2014)	2820	3
4	4th (2014-2015)	7620	5
5	5th (2015-2016)	5100	4
6	6th (2016-2017)	1500	1
7	7th (2017-2018)	500	0.55
8	8th (2018-2019)	69	0.3
9	9th (2019-2020)	100	0.4
10	10th (2020-2021)	150	Plantation done in
11	11 th (2021-2022)	500	the place of dead tree
12	12 th (2022-2023)	350	<u> </u>
	Total	25739	23.25

S.N	Year	Name of Species tree planted
1	2011-2012	Gulmohar,Amaltash,Neem,Mihigini,shisham,Ashoka,Teak,
		Mango,Amala, Shiv Babool, Chatni
2	2012-2013	Gulmohar, Amaltash, Neem, Mihigini, shisham, Ashoka, Teak, Mango, Amala
3	2013-2014	Ashoka,Chatni,Gulmohar,Amaltash,Neem,Mihigini, Shisham
4	2014-2015	Ashoka,Chatni,Gulmohar,Amaltash,Neem,Mihigini, Shisham
5	2015-2016	Chatni,Gulmohar,Neem,Mehegani,Shisham,Pipal,Teak,
6	2016-2017	Gulmohar,Chatni,Neem,Guava,Shiv Baboo,Mango,Jamun
7	2017-2018	Chatni,Gulmoha,Amaltash,Neem,shisham,Guava,Pipal
8	2018-2019	Chatni,Gulmohar,Neem,Mihigini,Guava,Mango,Amala,Neem
9	2019-2020	Chatni,Mihigini,Botal Pam,Mango,Amala,Lemon,Jamu
10	2020-2021	Chatni,Mihigini,,Mango,Kaaju.
11	2021-2022	Chatni, Mihigini, Mango, Kaaju, Amala, Neem, Gulmohar
12	2022-2023	Chatni, Mihigini, Mango, Neem, Gulmohar

DALMIA CEMENT (BHARAT) LIMITED, BOKARO

Carbon emission and carbon neutrality action plan

Cement is the basic building block of the housing and infrastructure development in the country. Unlike developed countries, India is uniquely positioned to maintain the growth, provide basic infrastructure and housing to its growing population and maintain the GHG emissions.

Globally, cement industry is classified as basic heavy-industry. As a result, European Union has put the cement industry in a unique position until 2030 where carbon allowances are provided free of cost (100%) to the cement and lime industries because it is not possible to pass on the cost of making carbon neutral cement or concrete to the customers in Europe, where per capita income of the population is way higher than in India.

Hence, a public-private approach to decarbonise the basic heavy-industry in India needs to be unique while serving the reasonable developmental expectations of the country and its people.

Despite the challenge of cement decarbonisation, Dalmia cement has been taking actions to reduce the GHG emissions. Dalmia Cement (Bharat) Limited (DCBL) is a leading cement manufacturer Dalmia Cement is one of India's pioneering homegrown cement companies, operating since 1939. Dalmia is one of the lowest carbon footprint cement producers globally and one of the most profitable cement company in India which reiterates its business philosophy of Clean and Green is Profitable and Sustainable.

Dalmia has served as climate catalyst in the global heavy-industry. It is the first triple joiner company globally to RE 100; EP 100; and EV 100 (significant transition to electric vehicles). Dalmia also aims to eliminate fossil fuels in the cement kiln.

Dalmia Cement is the leading voice on zero carbon transition at platforms such as United Nations, World Economic Forum and Annual Conference of Parties (COP) serving to the United Nations Framework Convention on Climate Change (UNFCCC). Dalmia has aligned its operations to Sustainable Development Goals (SDGs) within and beyond boundary through its Corporate Responsibility arm Dalmia Bharat Foundation.

Dalmia is founding member of the Leadership Group for Industry Transition (LEADIT), Chaired by India and Sweden to drive transformation in hard-to-decarbonize and energy-intensive sectors.

Dalmia is a founding member of First Movers Coalition (FMC), an initiative endorsed by US President and aims at creating green products demand globally. In a major push to EV transition, Dalmia has procured 22 heavy-duty electric vehicles for its raw material transport. Dalmia has a target to become 50-million-ton cement group by 2025. It is already 13.3 times water positive and committed to become 20 times water positive by 2025.

The commitments and leadership of Dalmia on zero carbon transition offers a whole new set of opportunities for the global heavy industry sector to relook at the processes, technologies and techno-commercial models for decarbonization and/ or reduction of the carbon footprint.

Dalmia Cement (Bharat) Limited is a cement grinding unit which is located at Bokaro Jharkhand for the manufacturing of PSC (Portland Slag Cement) and CC (Composite Cement) with production capacity of 4.5 MTPA.

DCBL Bokaro using fuel for the moisture removing in raw materials and material transportation in vehicles. Electricity is used for plant operation.

The GHG emission is classified under two scope - Scope-1-Direct emission and Scope-2 Indirect emission from electricity consumption for cement manufacturing.,.

- **1. GHG Emission from fuel consumption:** Direct GHG emission occur from that are owned or controlled by the company (Scope 1).
 - 1. Coal consumption in FBC (Indian Coal)
 - 2. Diesel Consumption in FBC for light up
 - 3. Own vehicles and hiring equipment' by the company & fuel consumed process activities.

GHG Emission from fuels

Categories	UOM	2019-20	2020-21	2021-22
Scope-1				
Emissions from Coal & Diesel consumption for the process of Cement Manufacturing.	Cementitious	51.92	41.20	42.78

- **2. GHG emission from power consumption:** Indirect GHG Emissions (Scope 2), accounts of GHG emission from the purchased electricity consumed by the company. Emission cannot be controlled at the sources it can be only controlled by changing the type of electricity consumed.
 - 1. Electricity consumption from Grid.

GHG Emission from power consumption

Categories	UOM	2019-20	2020-21	2021-22
Scope-2 Emissions from Electricity consumption	Kg CO2 /Tone of Cementitious material	41.89	44.22	45.73

Summary report of GHG emission last five years in below table

Scope	Categories	UoM	2017-18	2018-19	2019-20	2020-21	2021- 22
1	Emissions from Cement Manufacturing	Kg CO2 /Tone of Cement	53.42	58.41	51.92	41.20	42.78
2	Emissions from Electricity consumed	Kg CO2 /Tone of Cement	58.91	60.58	41.89	44.22	45.73

The emission intensity of GHG emission of our unit scope -1 and scope -2 decreases continuously from previous years on account of the actions taken.

Mitigation plan for reduction of GHG emission

DCBL Bokaro is working on GHG mitigation Plan to bring down the GHG emissions from fuel usage and electricity usage. One of the main mitigation opportunities, as an immediate lever, is -to increase share of renewal energy for the electricity consumption.

The carbon footprint accounting has been implemented as per the international best practice and it is used for internal as well as external benchmarking.

1. GHG emission mitigation:

Enhancing energy efficient of plant equipment's, use of renewal energy for electricity consumption and use of clean fuel /alternative fuel such as biodiesel in FBC.

(a) Reduction of GHG emission by the process optimization:

- 1. We are continually reducing clinker consumption for cement manufacturing.
- 2. We are planning for construction of new clinker silo for the storage of clinker to reduces road

transportation

3. We have continually increase rail transportation for inwards and outwards materials, reduce

road transportation.

(b) GHG emission reduction by improving energy efficiency plant equipment

We are regular working for reduction of power consumption in plant. energy efficient enhanced by working on the areas such as energy benchmarking study to identify the gaps in specific energy consumption such as process fan and other high energy consuming equipment's. To overcome the gaps, best practice could be followed to reduce the energy consumption. These measures for improving energy efficiency would proportionally result in reduce GHG emission due to increased energy efficiency and decreased energy consumption.

Implementation of ISO 50001:2018

We are in process for implementation of ISO 50001:2018 specific requirements for establishing, implementing, maintaining, and improving an energy management system (EnMS). The intended outcome is to enable an organization to follow a systematic approach in achieving continual improvement of energy performance and EnMS.

(C). Increasing power sourcing from renewal energy

We are working to increase share of renewal energy for the electricity consumption. The percentage of emissions could be reduced by improving the percentage of renewable energy either by onside installation (solar rooftop system) or offsite renewable energy consumption through PPA or Open Access. The higher amount of renewable energy consumption would lead to lesser GHG emissions over the period. Dalmia Cement (Bharat) Limited, Bokaro unit will work on procuring 100% Renewable energy in long -term and eliminate emissions from Grid electricity.

- (d) We have installed solar light & LED light in plant and colony area for the reduction of power consumption.
- (e) Tree plantation regularly done in plant & village area and maintaining the green belt. This will also help to reduce GHG emission.

2. Regular Assessment of GHG Emissions and Strengthening of Inventory

Dalmia Cement (Bharat) Limited plants including Bokaro unit carry out regular GHG assessment and a third party assured yearly inventory to ascertain as well as find reduction opportunities from the major sources of GHG emissions.

GHG Reduction Targets:

- (a). To drive innovation resources are involved from various departments to reduce the emission. This will bring buy-in from all the stockholders involved and help in driving innovation to reduce the GHG emission.
- (b) To improve cost efficiency: cost saving can be made by identifying opportunities to increase resources and energy efficiency. This may help to improve our competitive advantage
- (c) Organization will setup ambitious targets, measuring managing, reporting and reducing GHG emissions.
- (d) Organization will be conduct internal as well external energy audit reduction of GHG emission
- (e) It will help in raising awareness among consumers and employees on what role they can play in reducing impact of GHG emission
- (f) Dalmia Cement (Bharat) Limited Bokaro unit will continually analysis the GHG Reduction potential opportunities identified, priorities and implement them to achieve GHG emission reduction target as well as associated cost benefit.

CORPORATE ENVIRONMENT POLICY

DALMIA BHARAT LIMITED

Regd. Office: Dalmiapuram – 621651, Dist: Tiruchirapalli, Tamil Nadu [CIN: L40109TN2006PLC058818]

Tel. No.: (04329) 235132 Website: www.dalmiabl.com; E-mail: invhelp1@dalmiabharat.com

BUSINESS RESPONSIBILITY POLICY

[Adopted by the Board of Directors at its meeting held on 17-8-2016]

Preface

Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, vide its clause 34(2)(f), mandates that the Annual Report of top five hundred listed entities based on market capitalization (calculated as on March 31 of every financial year) shall contain a Business Responsibility Report describing the initiatives taken by the Company from an environmental, social and governance perspective, in the format as specified by the SEBI from time to time.

SEBI vide Circular No. CIR/CFD/CMD/10/2015 dated November 04, 2015 has prescribed nine key principles to assess the fulfillment of listed entities and a description of the core elements under these principles. This Policy is accordingly framed to address the nine principles prescribed by SEBI in the said circular.

Stakeholders

The relevant stakeholders are Shareholders, Security Holders, Subsidiary Companies, Joint Venture Companies, Employees, Suppliers, Distributors, Public, Customers and Society at large.

Principle 1 - Ethics, Transparency and Accountability

Dalmia Bharat Limited (the "Company") is committed to ensure adherence, while conducting in all its sphere of activities and while dealing with both the internal and external stakeholder, to the following:

- Promote values as well as demonstrate commitment to uphold its ethics principles wherever operate in conjunction with business partners.
- Not do or give or receive, directly or indirectly for business or financial gain, any financial inducement or improper advantage, or engage in any form of unethical conduct or exercise undue influence over any other third party.
- Not indulge in giving extravagant, lavish or uncustomary gifts to Authorities which may
 obligate or inappropriately influence the recipient.
- Ensure vouch for completeness, validity and accuracy of the records, financial or
 otherwise and the validity of all information. Systematically identify and engage in an
 effective and transparent manner with all the stakeholders to create sustainable, long
 term value for our stakeholders.
- Take the contractual obligations seriously and ensure to pay suppliers, employees and other entitled to receive money according to agreed contracts/terms.
 - Not to engage in or promote practices which are corrupt and anti-competitive and comply with the competition laws.

- Encourage all associated parties to comply with these principles and avoid complicity with anyone that violates above principles.
- · Comply with all the laws and regulations as applicable.

Principle 2 - Sustainability

The Company is committed to offer goods which are safe and have a positive contribution on environment and society. To achieve this objective, we are committed to:

- Adopt most energy efficient technologies in manufacturing process, improve the energy efficiency of equipment.
- Make continuous effort to increase the use of renewable energy and fuels, coprocessing wastes to reduce our greenhouse gases.
- Invest in research and development.
- Make continuous efforts to reduce water intensity and fresh water usage by increased use of harvested and recycled water in our operations.
- Assess biodiversity quality in all our extraction sites and strive to create positive impact.
- Continuously strive to improve the quality of products, processes and services.
- Encourage recognition and respect for rights of owners of intellectual property.
- Promote free competition and freedom of choice to consumers.
- Identify stakeholders to understand their concerns.
- Implement suitable grievance handling mechanism, wherever required.

Principle 3 - Wellbeing of Employees

The Company being a strong value driven, people oriented and accountable organization is committed to offer the best working environment to all its employees. To achieve this objective, we are committed to:

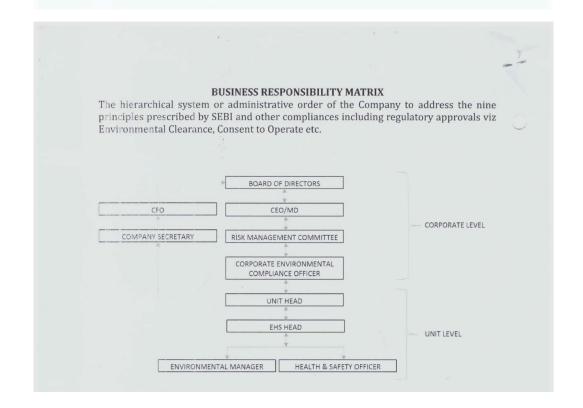
- Maintain good working conditions promote a harmonious and productive atmosphere in the workplace and provide fair and equal employment opportunity for all employees to maximize their career growth with enhanced skills and to create a favourable environment to work as an effective team.
- Ensure no harm anywhere to any one in our entire operations as part of our commitment towards health and safety of all people involved.
- We shall provide Safe and secure workplace free from harassment, discrimination or other intimidating behaviors of all kinds and shall follow the procedures, principles and rules prescribed by the Government under Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and rules made thereunder.
- We shall ensure equal opportunities and fair treatment to all employees including eligible applicants for employment in the Company irrespective of their caste, creed, religion, gender, marital status, age starting from the process of employee's acquisition till grant of all terminal benefits and will not tolerate discrimination of any kind. We shall recruit, retain and develop people based on suitability of role and the opportunity for personal and professional growth.
- We shall promote well being and work life balance of people to let them live a happy life and honour individuality of every employee.
- We shall not engage any person to work who is unwilling or below the age of 18 years.
- We shall respect the right of freedom of association, participation and collective bargaining.

Independent Audit / Evaluation of working of the Policy

Independent Audit / evaluation of working of the Policy shall be done by the Internal Auditor atleast once a year and report the same to the Chief Financial Officer and Whole Time Director, being designated by the Board of Directors as responsible Director for the preparation and implementation of the Business Responsibility Policy.

Conclusion

This Policy will be reviewed as and when deemed necessary in view of the revision/amendment in the Regulations notified from time to time or otherwise.



CAPITAL COST INVESTMENT ON ENVIRONMENT PROTECTION AT DCBL BOKARO UP TO SEPTEMBER 2022

	M/S DALMIA CEMENT (BHARAT) LIMITED, BOKARO					
	Plot No. IV/A-7(P),Bokaro Industrial Area,Balidih ,E	Bokaro Steel City,	Jharkhand -8270:	14		
CAPI	TAL COST INVESTMENT ON ENVIRONMENT PROTECTION					
S.N	PARTICULARS	Asset no	Investment in Rs.	Investment in Crores		
1	INVESTMENT ON AIR POLLUTION CONTROL MEASURES					
а	Bag House cement mill	5500000007	193983042.2			
b	Bag house fan	5500000014	13972406.4			
С	Bag house for cement mill	5500000037	9901023.02			
d	Bag house fan	5500000046	185484.52]		
е	Sprs Bag house fan -mill -1	5500000016	6300867.1			
f	Sprs Bag house fan -mill -2	5500000017	6300867.53			
g	Bag filter from silo to packing plant EEL India limited		21000000	29.05		
h	Bag filter clair Packing plant area		4800000			
i	Bag filter at Wagon Tippler		28150000]		
j	Bag filter Dry fly ash silo Top storage bin		900000			
h	Bag filter Dry fly ash silo Top storage bin Sep-		1300000]		
i	Packer 4 Bag filter		3700000	_		
			290493690.8			
2	INVESTMENT ON FUGITIVE DUST EMISSION CONTROL					
a	Construction of Tarpaulin shed near packing plant	5200000052	1741749.73			
f	Road Swapping machine	5900000085	128981			
g	Water spray tanker	5060000016	100000	8.64		
h	Delexo Road Swapping Machine	5500000172	2452009.2] 5.5 :		
i	Steel Silo for storage of PCC	5500000185	28115894.14			
J	Plant Roads construction	520000010	53848342.83	1		
			86386976.9			
3	INVESTMENT IN WATER POLLUTION CONTROL MEASUR	RES		_		
а	Rain water Harvesting	520000034	56547.38			
b	Sewar line connected to plant toilet to STP	5200000054	958795.98	_		
С	Bio Toilet at Wagon Tippler & Railway penal Yard	5200000055	99308.58			
d	Construction of Sewage treatment Plant	5200000067	4772895.03			
е	Water treatment plant	5040000011	133559.51	0.78		
f	Toilets & Bathroom for Labour Camp	5200000056	1074911.5	0.78		
g	Water treatment plant	5040000013	682090.06			
			7778108.04			

4	ENVIRONMENT POLLUTION MONITORING EQUIPMEN	IT			
1	CAAQM -S02 & NOx Analyzer	5500000068	1308596		
2	Laboratory balance	5500000074	19244		
3	Opacity meter From Chemtrols industries LTD	5900000033	88889.55		
4	Opacity meter From Chemtrols industries LTD	5900000034	88889.55		
5	Data connectivity to CPCB Server	5800000003	188100		
6	Stack monitoring kit from form forebes marshal	5010000067	10596.16		
7	Incubator	5500000029	13000.32		
8	On line CAAQM station Environment SA	5500000066	2522852.76		
9	Up gradation Software of CAAQMS	580000003	490800		
10	Construction of 2.no CAAQMS Room	5200000035	454879	0.61	
11	Respirable Dust Sampler 460 BL PM -10 ,4no	Environment Lab	280000		
12	Respirable Dust Sampler 460 BL PM- 2.5 ,4no	Environment Lab	300000		
13	Vayubodhan Stack monitoring Kit VSS1	Environment Lab	75000		
14	Spectrophotomer	Environment Lab	280000		
			6120847.34		
	Capital cost Investment from April 22 to September 22			Nil	
	Total Capital Cost Investment on Environment measures up to March 2022				

DALMIA CEMENT (BHARAT) LIMITED, BOKARO				
RECURRING COST EXPENDITURE ON VARIOUS ENVIRONMENTAL PROTECTION ACTIVITIES April 2022-Sept-2022				
1	Operation and maintenance cost of Pollution Control Equipment			
A	Cement Mill			
	Cost on Schedule maintenance			
1	Bags replacement with new bags, Bags cleaning, De dusting line checking, cleaning and repairing work. Bag filters fan maintenance etc)	8.7		
2	Power consumption in Pollution control equipment (Bag House & Bag Filter) 12149574 KWH X 4.9	595.32		
2	Third Party Environmental Monitoring & Analysis	1.15		
3	AMC of CEMS Data transmission to JSPCB& CPCB	0.17		
4	AMC of CAAQMS Maintenance, Servicing and Calibration,	0.75		
5	AMC of CAAQMS Data transmission to JSPCB & CPCB	0.50		
6	Calibration of Pollution Monitoring Equipment's (CEMS)	1.50		
7	Calibration of Pollution monitoring instrument (RDS &Stack VSSI,Noise level meter)	0.15		
8	Air Pollution Monitoring Accessories' Pump maintenance kit & PM-10 & 2.5 Filter paper	2.00		
9	Water Pollution Management (AMC of STP, R.O Plant, D.M. Plant, & Softener Plant), Cleaning of Nala,	0.25		
10	STP Operation & Maintenance	1.66		
11	Road Sweeping Machine Operation & Maintenance	2.60		
12	Disposal of Bio medical waste	0.09		
13	Fuel consumption in water sprinkling tanker of water on dusty area	0.12		
14	Green Belt Development	6.63		
	RECURRING COST EXPENDITURE FROM OCTOBER O MARCH 2022 (Rs)	621.59		

8.

1.1

DALMIA CEMENT (BHARAT) LIMITED, BOKARO

Environment Internal audit report

DALMIA CEMENT (BHARAT) LIMITED, BOKARO

Environment Internal audit report

Date: 18.08.2022

Sr. No	Environment internal audit observation points	Auditee Status	Auditor Status
1,	Review status of Statutory compliance - Consent to Operate (CTO) & Environment Clearance (EC) compliance condition	Complied. Timely submitted EC Compliance report to JSPCB MOEF&CC,CPCB &SEIAA.	Complied
2.	Review status of Statutory Compliance - E- Waste Management	Complied. Timely submitted E-Waste return to JSPCB Ranchi and Dhanbad.	Complied
3.	Statutory compliance - Hazardous waste management	Complied. Timely submitted Hazardous waste return Form-IV JSPCB Ranchi & Dhanbad	Complied
4.	Review status of Statutory compliance Condition of OHC, CTO and Authorization of Bio medical waste compliance condition under Bio- Medical Waste Management.	Complied. Timely submitted Hazardous waste return Form-IV JSPCB Ranchi & Dhanbad.	Complied
5	Checked On Line CEMS & CAAQMS data at JSPCB & CPCB Server	Complied, On line CEMS & CAAQMS Data updated in JSPCB & CPCB server	Complied
6	Checked Calibration certificate record of Pollution monitoring equipment.	Complied. On line CEMS & CAAQMS instrument calibrated with in time.	Complied
7	On Line monitoring data display at factory main gate.	Complied. Online Environment monitoring data displayed at main gate	Complied.
8	Checked Third party Environment monitoring report.	Complied, Third party Environment monitoring	Complied.

		report done on quarterly basis.	
9	Checked Drinking water quality	Complied, Drinking water quality regular checked.	Complied.
10	Checked status validity of CTO & EC	Complied. within time limit	Complied.

Auditee Janjer

18/8/92 Auditor

52

Advertisement in newspaper for receiving of EC from SEIAA



EC Copy submitted to local authority & other Govt. Department



newthink! cement! sugar! refractories! power!

Date: 03.10.2019

To,

Shri Ganesh Thakur ji

Mukhiya

Village/Basti: Balidih

Gorabali (South) Gram Panchayat

Sub: Environment Clearance for "Upgradation of Technology at existing standalone Cement Grinding unit from 3.0 MTPA to 3.70 MTPA of M/s Dalmia Cement (Bharat) Ltd. at Plot no.-IV/A-7(P), Bokaro Industrial Area Bokaro"

Dear Sir,

At the outset we extend our sincere thanks for the cooperation extended to us by the Gorabali(S) GP for seamless operation of our cement plant at Bokaro. We had applied for grant of Environment Clearance for enhancement of production capacity from 3.0 MTPA to 3.7 MTPA for which finally EC has been granted by State Level Environment Assessment Authority (SEIAA) vide letter no. EC/SEIAA/2018-19/2138/2019/474 dated 23rd September 2019 (Copy of EC enclosed)

This is submitted for your kind information & record please

Thanks & Regards

Yours sincerely

For Dalmia Cement (Bharat) Limited

Mukesh Kumar Garg

(Unit Head & Assistant Executive Director)

8/1/2

Encl A/a

पाम पचायत गोडाबाली द०

प्रखण्ड-चास (बाकारो) 4.10.2019

Dalmia Cement (Bharat) Limited

Works: Plot No. - IV/A-7(P) Bokaro Industrial Area, Balidih, Bokaro Steel City - 827014. Jharkhand, India
C.IN: 1. USS111/11996PLCUS35963

Registered Office: Dalmiapurum, Dist. Truchirapali, Tamil Nadu 621651, India
A Dalmia Bharat Group company
www.dalmiabharat.com
www.dalmiabharat.com



0/0

newthink! cement! sugar! refractories! power!

To,

Date: 03.10.2019

agm 43) unRegional Director

3 Tharkhand Industrial Area Development Authority (JIADA)

3. 1º Bokaro Industrial Area

Bokaro Steel City

Bokaro - 827014

Sub: Environment Clearance for "Upgradation of Technology at existing standalone Cement Grinding unit from 3.0 MTPA to 3.70 MTPA of M/s Dalmia Cement (Bharat) Ltd. at Plot no.-IV/A-7(P), Bokaro Industrial Area Bokaro"

Dear Sir,

At the outset we extend our sincere thanks for the cooperation extended to us by the JIADA for seamless operation of our cement plant at Bokaro. We had applied for grant of Environment Clearance for enhancement of production capacity from 3.0 MTPA to 3.7 MTPA for which finally **EC has been granted** by State Level Environment Assessment Authority (SEIAA) vide letter no. EC/SEIAA/2018-19/2138/2019/474 dated 23rd September 2019 (Copy of EC enclosed)

This is submitted for your kind information & record please

Thanks & Regards

Yours Sincerely

For Dalmia Cement (Bharat) Limited

Mukesh Kumar Garg

(Unit Head & Assistant Executive Director)

lox

Encl A/a

Dalmia Cement (Bharat) Limited

Works: Plot No. - IV/A-7(P) Bokaro Industrial Area, Baldidi, Bokaro Steel City - 827014. Jharkhand, India
CIN: U65191TN1996PLC035963

6-91 6542 253278 2253047 | w www.dalmiacement.com
Registered Office: Dalmiapuram, Dist. Truchirapalli, Tamil Nadu 621651, India
A Dalmia Bharat Group company
www.dalmiabharat.com