

DCBL/ENV/2025-26/01

28th May 2025

To,

Deputy Director General of Forest (C)
Ministry of Environment, Forests & Climate Change
Govt. of India
Integrated Regional Office, Law – U –Sib,
Lumbatngen, Shillong – 793021, Meghalaya.

Subject: Half Yearly compliance report for the period **October 2024 to March 2025** condition imposed in environment clearance vide letter J-11011/190/2007-IA.II (I) dated; June 19th 2008 for integrated Cement Plant and Captive Power Plant of M/S Dalmia Cement Bharat Limited (Formerly M/s. Adhunik Cement Limited) located at Vill - Thangskai, P.O. Lumshnong, Dist - East Jaintia Hills, Meghalaya-793200.

Ref: - Environment Clearance letter no. **J-11011/190/2007-IA.II (I) dated; June 19th 2008.**

Dear Sir,

With reference to above subject and referred letter no, we are submitting herewith six monthly compliance of integrated Cement Plant and Captive Power Plant belonging to M/S Dalmia Cement Bharat Limited (Formerly M/s. Adhunik Cement Limited) located at Vill - Thangskai, P.O. Lumshnong, Dist - East Jaintia Hills, Meghalaya-793200.

We request to kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully

M/s, Dalmia Cement (Bharat) Limited



Authorized Signatory

Enclosure: Compliance report for the period **October 2024 to March 2025.**

CC to:

- 1) The Member Secretary, Meghalaya State Pollution Control Board, “Arden” Lumpyngad, Shillong-793 014, Meghalaya.
- 2) The Regional Director, Central Pollution Control Board, North Eastern Zonal Office, BSNL Complex, (CTO), Lachumiere, Shillong -793 001, Meghalaya.

Dalmia Cement (Bharat) Limited

Umsoo Mootang, Vill - Thangskai, PO Lumshnong, District - East Jaintia Hills - 793210 (Meghalaya) India
T 91 9612901824/9612 895 625 Toll Free 1800 2020 W www.dalmiacement.com CIN : U65191TN1996PLC035963
Registered Office: Dalmiapuram, District -Tiruchirapalli, Tamil Nadu – 621 651, India
A **Dalmia Bharat Group** Company, www.dalmiabharat.com

DALMIA CEMENT (BHARAT) LIMITED

Umsoo Mootang, Vill - Thangskai , P.O. Lumshnong , Dist – East Jaintia Hills, Meghalaya - 793 200

COMPLIANCE STATUS

Environment Clearance Letter No: - J-11011/190/2007-IA-II (I) dated: JUNE 19th, 2008.

Period Of Compliance : October 2024 to March 2025

	Conditions	Compliance Status
A	<u>Specific Conditions</u>	
(i)	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided & limit of SPM from cement plant shall be controlled within 50 Mg/Nm ³ by installing adequate Air Pollution control system viz. Electrostatic Precipitator (ESP) to cooler & Captive Power Plant, Gas bag house to Raw Mill /Kiln and cement Mills, and Bag filters to material handling areas. At no time the particulate emission from the cement & captive Power Plant shall exceed 50 mg/Nm ³ & 100 mg/Nm ³ respectively. Interlocking Facility is provided in the pollution control equipment so that in the vent of the pollution control equipment not working, the respective unit is shut down automatically.	<ul style="list-style-type: none"> • Opacity meters are installed at all stacks, i.e. RMBH, Coal mill, Cement mill - 1 Cement Mill - 2, ESP cooler & CPP respectively. Emission levels are within the permissible limit. • ESPs are provided for Clinker cooler & CPP - Boiler and bag house for Cement mill, Raw Mill and Coal mill respectively. • Bag filters are provided at various material transfer points to arrest the fugitive emission. • Compliance status reports is submitted to Ministry including its Regional office at Shillong, MSPCB and CPCB. • Particulate emissions from the Cement Plant is within the prescribed limits i.e. within 30 mg/Nm³. CPP is close since 22nd December 2022, once start, we will do monitoring (Copy of CPP shutdown information shared is attached as Annexure – I). Efforts are being made to meet the emission standards as notified by latest Gazette Notification. Latest Stack Emission Monitoring Report enclosed in Annexure - II. • Interlocking facilities are provided.
(ii)	Secondary fugitive emissions shall be controlled within the prescribed limits & regularly monitored. Guidelines/ Code of Practice issued by CPCB / MSPCB in this regard shall be followed.	Measures have been undertaken to reduce fugitive emissions like all conveyor belts for raw material transfer are covered. Bag filters are installed in every raw material transfer point to control fugitive emissions. Photographs of the same is enclosed as Annexure – III .

		<p>Also, all the plant approach road and internal roads are concreted. Road sweeping machine is being used for cleaning of paved roads to control fugitive dust emissions. Also, a dedicated team for sweeping with broom is being also deployed for cleaning of the internal roads. 12 KL Water tanker is also deployed for water sprinkling in entire approach roads. Photographs of the same is enclosed as <u>Annexure – IV.</u></p> <p>Permanent water sprinkler is also installed to reduce fugitive emissions.</p> <p>Regular Fugitive emission monitoring is being undertaken and emissions level are within the prescribed limits. Latest Fugitive emission monitoring report is attached as <u>Annexure – V.</u></p>
(iii)	The company shall install adequate dust collection & extraction System to control fugitive dust emission at various transfer points. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the Raw material Stock yard and cement bags loading area.	<ul style="list-style-type: none"> • Installed dust collection systems/bag filters at various material transfer points and conveyor belts are covered to reduce fugitive emission. Raw materials, Coal and Fly ash are stored under closed shed. • Water sprinkling arrangement is provided in raw material stock yard, on haul roads and inside the plant to control the dust emission.
(iv)	Effort shall be made to reduce impact of transport of the raw material and end product on the surrounding environment including agriculture land.	<ul style="list-style-type: none"> • Raw materials are transported through covered trucks and there is no impact on surrounding environment.

(v)	Total water requirement from Lunar river shall not exceed 2500 m ³ /day. All the process effluents shall be properly treated and treated waste water shall be recycled and reused for spraying for cooling the mills, dust suppression and green belt development. Domestic effluent water shall be treated and used for the green belt development. No Waste water shall be discharged into any stream /river without proper treatment and shall meet the MSPCB/CPCB/Ministry's norms as mentioned in the E (P) Act.	<ul style="list-style-type: none"> Water withdrawal from Lunar river is within 2500 m³/day. STP has been installed and is in operation. Cement manufacturing process is totally dry, there is no waste water generation. Treated water is used for road dust suppression / green belt development. There is no waste water discharge outside the plant premises.
(vi)	Prior permission for the drawl of 2500 m ³ /day from Lunar River shall be obtained from the concern department	<ul style="list-style-type: none"> Obtained No objection certificate (NOC) from Irrigation Department Jowai, Jaintia hills for 5500 m³/day for Cement and Power plant dated 11th July 2007.
(vii)	The dust collected from the pollution control equipment shall be recycled back into the process and reutilized.	<ul style="list-style-type: none"> The dusts from bag house and bag filters is recycled into the process and re utilized.
(viii)	Fly ash shall be utilized as per Fly ash notification, 1999 subsequently amended in 2003	<ul style="list-style-type: none"> All Fly ash generated from the CPP is utilized in existing cement manufacturing. CPP is close since 22nd December 2022 (Copy of CPP shutdown information is attached as Annexure - I).
(ix)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly.	<p>Complied and being Complied</p> <ul style="list-style-type: none"> The kiln has been designed to use high calorific hazardous wastes.
(x)	Green belt shall be developed in 17 ha.(33%)out of total 50 ha. in & around the plant as per the CPCB guidelines in consultation with the local DFO.	<ul style="list-style-type: none"> Greenbelt developed has been completed in targeted 36.04 % area, i.e. 18.02 ha. Which includes around 17,800 nos. of different sapling. However, we will continue of plant more sapling in coming years to make more greenery.
(xi)	All the recommendations of the Corporate Responsibility for Environment Protection (CREP) shall be strictly followed.	<p>Complied</p> <ul style="list-style-type: none"> All CREP conditions for the Cement plants and Power plants are being implemented and strictly followed.
B	<u>General Conditions</u>	
(i)	The project authority must adhere to the stipulations made by Meghalaya State Pollution Control Board and State Government	<ul style="list-style-type: none"> Yes, We comply with all the stipulation made by the Meghalaya SPCB, CPCB and State Govt.

(ii)	No further expansion or modification of the plant shall be carried out without prior approval of the ministry	<ul style="list-style-type: none"> Noted. In future, if any expansion or modification is proposed, prior approval will be obtained from the ministry.
(iii)	At Least 4 Ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of the SPM, SO ₂ and NO _x are anticipated in consultation with the Meghalaya State Pollution Control Board. Data on Ambient air quality and stack emissions shall be regularly submitted to this ministry including its regional office at Shillong and Meghalaya State Pollution Control Board once in Six Months.	<ul style="list-style-type: none"> We have established four (4) ambient air quality-monitoring stations as suggested by the Meghalaya State Pollution Control Board. Data on ambient air quality and stack emission are submitting to MSPCB on regular basis. Six monthly report to Regional office of MoEF&CC is being submitted. Latest, Ambient Air Quality Monitoring & Stack Emission monitoring report enclosed in Annexure - VI & II respectively. We have also carried out Monitoring for all 12 parameters of Ambient Air Quality Monitoring as mentioned in MoEF&CC Notifications G.S.R. 826 (E), dated 16.11.2009. Copy of latest Ambient Air Quality Monitoring Report is attached as Annexure - VII. We also assure that same will be continued in future compliances
(iv)	Industrial waste water shall be properly collected and treated so as to confirm to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time .The treated waste water shall be utilized for plantation purpose.	<ul style="list-style-type: none"> Our cement manufacturing process is totally dry process; there is no waste water generation. We are maintaining zero discharge for the entire plant. Waste-water generated from CPP was reused. CPP is under shutdown since 22nd December 2022. Waste-water generated from mines workshop is used for dust suppression after removing the oil & grease traces through ETP.
(v)	The overall Noise level in & around the Plant area shall be kept well within the standard (85 dbA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under environmental (Protection) Act, 1986 Rules, 1989 viz. 75dBA (day time) and 70 dbA (Night time).	<ul style="list-style-type: none"> We maintained over all noise level within prescribed limit in and around the plant area. The ambient noise levels are well within the standards prescribed under EPA Rules viz., 75 dB (A) (Daytime) and 70 dB (A) (Night time). The monitoring is carried out regularly and Latest Monitoring report is attached herewith in Annexure - VIII.
(vi)	Proper Housekeeping & adequate occupational Health programmes must be	<ul style="list-style-type: none"> We maintained good housekeeping in all areas of plant.

	<p>taken up. Occupational Health surveillance programme shall be done on a regular basis and records maintained. The programme must include Lung function and sputum analysis tests once in six months.</p>	<ul style="list-style-type: none"> • Personal protective equipment/devices are provided to all the persons to avoid direct exposure of dust and noise. • Occupational Health surveillance program is also regularly done. Lung Function and sputum analysis is also regular carried out. Report of Lung function and sputum analysis is enclosed as Annexure – IX.
(vii)	<p>The company shall harvest the rainwater from the rooftops and storm water drains to recharge the ground water.</p>	<p>This condition may not be applicable to the area as the plant is located in East Jaintia Hills of Meghalaya. The Area is mountainous and hilly and receives very high Rainfall. The plant is located at altitude of 750m amsl. Groundwater availability and prospects is limited to valley portions only in Hilly area. Therefore, recharging of groundwater is not possible.</p> <p>It is not feasible to recharge groundwater by harvesting rain water due to the site conditions. However, storm water drains along with retaining walls have been be constructed to channelize the rain water.</p> <p>However, we have two nos. (12 lacs litres and 4 lacs litres capacity) of water reservoir for collection of water from Umsoo water intake point and during rainy season same is utilised for rainwater collection and use.</p> <p>Considering the above, It is kindly requested to exempt us from the said condition of recharging groundwater by rainwater harvesting.</p>
(viii)	<p>The company shall undertake eco-development measures including community welfare measures in the project area.</p>	<p>Complied.</p> <p>Undertaking various community welfare measures through CSR activities like.</p> <ol style="list-style-type: none"> 1. Construction of footbridge cum culvert 2. Promotion of fuel efficient cook stoves and solar study lamps. 3. Medical camps, construction of schools toilets and awareness camps 4. Awareness generation campaign. Livelihood and

		Skill Training. etc. List of Activity conducted during October 2024 to March 2025 is attached as Annexure – X .
(ix)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	Yes, we are complying with EIA/EMP.
(x)	A separate environmental management cell with full-fledged laboratory facilities to carry out the various management and monitoring functions shall be set up under the control of Senior Executive.	A separate Environment Management Cell has been established with qualified person to carry out various environment functions under the chairmanship of Unit Head.
(xi)	As proposed in the EIA/EMP, Project authorities shall provide Rs. 40.00 Crores towards capital cost for Environmental Pollution control measures for the environmental protection measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State government and submit implementation schedule for all the conditions stipulated herein to the regional office of this Ministry at Shillong/Central Pollution Control Board /Meghalaya State Pollution Control Board. The funds so provided shall not be diverted for any other purpose.	<p>This has been already sent to your office vide our letter dated 06/07/2011.</p> <p>The funds so provided will not be diverted for any other purpose.</p>
(xii)	The regional office of this ministry at Shillong / Central pollution control board /Meghalaya pollution control board will monitor the stipulated condition. A Six monthly compliance report and monitored data along with the statistical interpretation shall be submitted to them regularly.	Six monthly compliance report is submitting regularly.
(xiii)	The project authorities shall inform the regional office as well as the ministry, the date of financial closer and final approval of the project by the concern authorities and the date of commencing the land development work.	<p>Financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work was submitted on dated 11.12.2008.</p> <p>The date of commissioning of various units is given as below:</p> <p>CEMENT PLANT : August 2010</p> <p>CAPTIVE POWER PLANT(CPP) : February 2010</p>
(xiv)	The project proponent Meghalaya inform	

<p>the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the state Pollution control Board/committee and may also be seen at website of the Ministry of Environment & Forests at http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Shillong.</p>	<p>Complied</p> <p>Public notice had been published & cutting of the local newspaper already submitted to the office (ref. letter dated 01/02/2008).</p>
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ANNEXURE - I

8/9/23, 2:36 PM

Information regarding 25 MW - Captive Power Plant (CPP) shutdown. - Shibasish Nath - Outlook

Information regarding 25 MW - Captive Power Plant (CPP) shutdown.

Shibasish Nath <nath.shibasish@dalmiacement.com>

Fri 12/30/2022 6:25 PM

To: cems.cpcb <cems.cpcb@nic.in>; zoshillong.cpcb@nic.in <zoshillong.cpcb@nic.in>; mspcb
<megspcb@rediffmail.com>; GLENS <glenssupport@knowledgelens.com>; GLens Team
<glens@knowledgelens.com>; aditya.cpcb@nic.in <aditya.cpcb@nic.in>

Cc: Raju Ranjan Prasad <prasad.raju@dalmiacement.com>; Vinod Kumar Singh
<Singh.Vinod@Dalmiacement.com>; Mahesh Kumar Nenwa <nenwa.mahesh@dalmiabharat.com>; Yogesh R
Kathal <Kathal.Yogesh@dalmiacement.com>; Chetan Dalpatbhai Patel
<patel.chetan@dalmiacement.com>; Deepak Kumar Saw <krsaw.deepak@dalmiacement.com>

To

Dated – 30th December 2022

Shri Ankur Tiwari
Scientist – C,
Central Pollution Control Board
Ministry of Environment, Forest & Climate Change
New Delhi

Sub: - Information regarding 25 MW - Captive Power Plant (CPP) shutdown.

Sir,

With reference to the subject cited above, we would like to bring to your kind notice that our 25 MW - Captive Power Plant (CPP) of M/s. Dalmia Cement (Bharat) Limited, located at Umsoo Mootang, Thangskai, East Jaintia Hills of Meghalaya is under shutdown for major maintainance. Therefore real time continuous online stack emission monitoring data of CPP will show offline in related server. We will inform you once CPP gets lighted-up.

This is for your information please.

Thanks and Regards
For M/s. Dalmia Cement (Bharat) Limited

Shibasish Nath
Sr. Manager - EHS
Thangskai, Umsoo Motang,
East Jaintia Hills,
Meghalaya
Mob - 961 215 2301

Report No.: ENV/DCBL/24-25/SE-03/01

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2025/SE-03/01		
02	Date of Sampling	24.03.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	146		
07	Exit Velocity of Gas (m/sec)	17.2		
08	Flow Rate (Nm³/hr)	311331		
09	Type of Fuel Used	Kiln Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	641	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	348	mg/Nm³	800



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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2. Results refer only to the particular parameters tested.
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Report No.: ENV/DCBL/24-25/SE-03/02

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2025/SE-03/02		
02	Date of Sampling	24.03.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill B.F.		
05	Stack Diameter (Meter)	1.25		
06	Flue Gas Temperature (°C)	51		
07	Exit Velocity of Gas (m/sec)	12.5		
08	Flow Rate (Nm³/hr)	51736		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	415	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	122	mg/Nm³	800

*NA: Not Applicable



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Report No.: ENV/DCBL/24-25/SE-03/03

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2025/SE-03/03		
02	Date of Sampling	24.03.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Stack Diameter (Meter)	4.0		
06	Flue Gas Temperature (°C)	109		
07	Exit Velocity of Gas (m/sec)	6.2		
08	Flow Rate (Nm³/hr)	218833		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	BDL [#]	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL [#]	mg/Nm³	800

*NA: Not Applicable

*BDL: Below Detection Level



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/DCBL/24-25/SE-03/04

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2025/SE-03/04		
02	Date of Sampling	25.03.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill No. 1		
05	Stack Diameter (Meter)	2.0		
06	Flue Gas Temperature (°C)	68		
07	Exit Velocity of Gas (m/sec)	13.7		
08	Flow Rate (Nm³/hr)	135423		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	BDL#	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	BDL#	mg/Nm³	800

*NA: Not Applicable

[#]BDL: Below Detection Level



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/DCBL/24-25/SE-03/05

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2025/SE-01/05		
02	Date of Sampling	25.03.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill No. 2		
05	Stack Diameter (Meter)	2.0		
06	Flue Gas Temperature (°C)	72		
07	Exit Velocity of Gas (m/sec)	19.1		
08	Flow Rate (Nm³/hr)	186612		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	19	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	BDL*	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	BDL*	mg/Nm³	800

*NA: Not Applicable

#BDL: Below Detection Level



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/DCBL/24-25/SE-03/06

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2025/SE-03/06		
02	Date of Sampling	26.03.2025		
03	Material of Construction	M. S.		
04	Stack Attached To	Crusher B.F.		
05	Stack Diameter (Meter)	0.7		
06	Flue Gas Temperature (°C)	29		
07	Exit Velocity of Gas (m/sec)	4.6		
08	Flow Rate (Nm³/hr)	6289		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	18	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	BDL#	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	BDL#	mg/Nm³	800

[#]BDL: Below Detection Level



Checked By: Mr. Pankaj Baroi, ENVIROCON

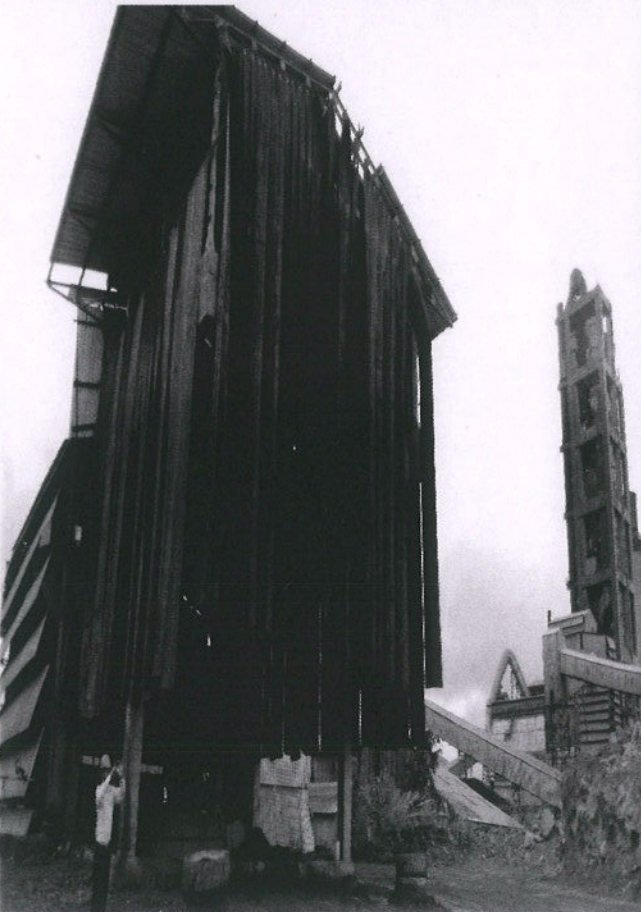
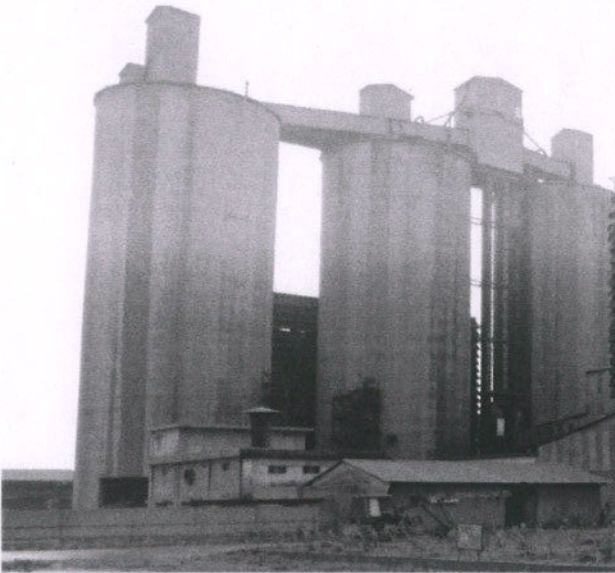
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ANNEXURE-II

Annexure – III

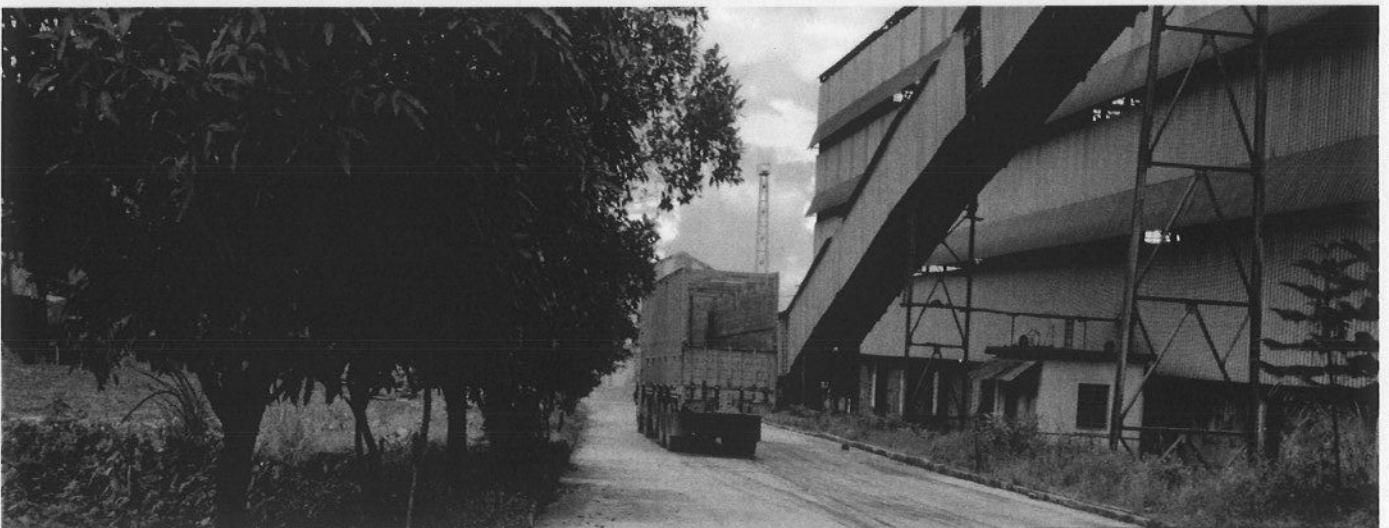


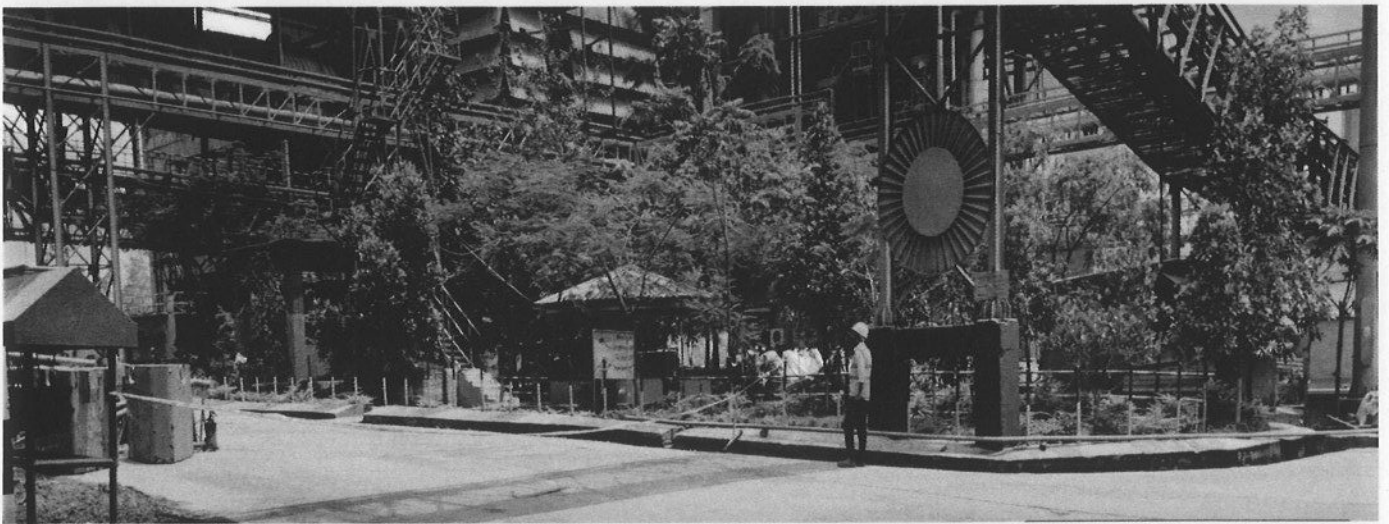
Annexure - IV

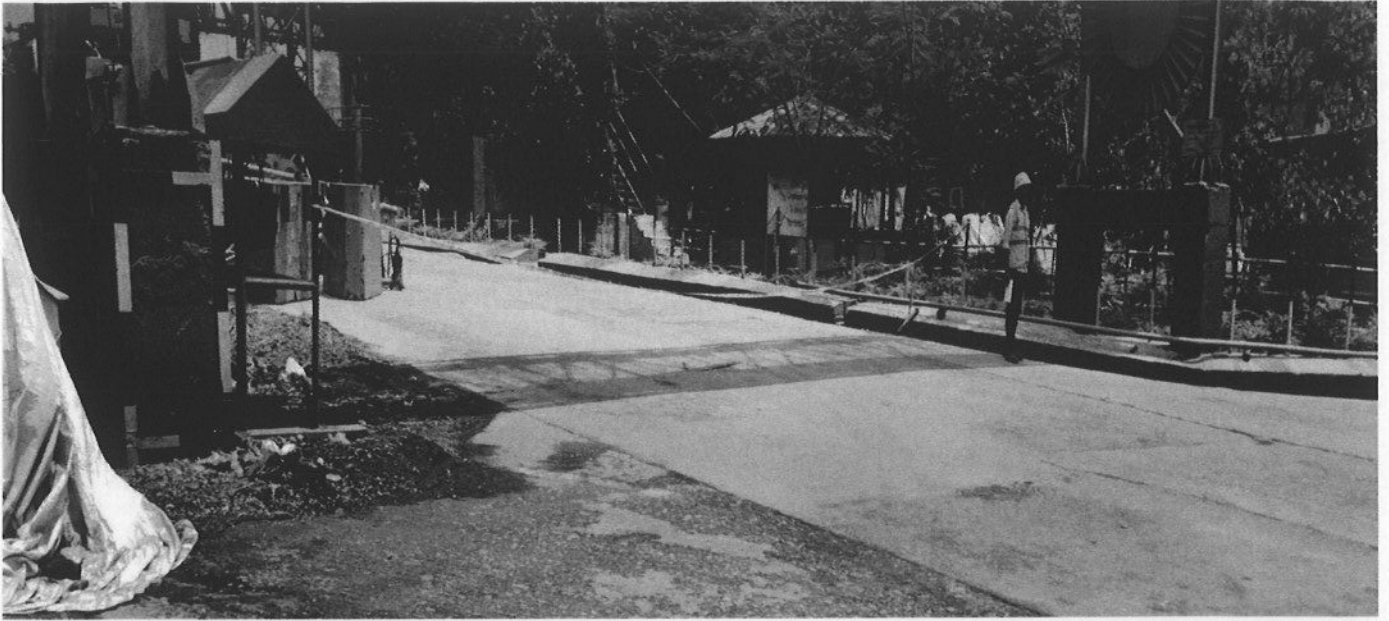
Annexure – IV











Report No.: ENV/DCBL/24-25/FE-03/01

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**
Village: Thangskai, Lumshnong, Meghalaya**PROCESS FUGITIVE EMISSION TEST RESULTS**

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	24.03.2025	3269	5000
02	Coal Storage Section	24.03.2025	1246	2000
03	Limestone Storage Section	24.03.2025	2987	5000
04	Cement Packing Section	24.03.2025	3182	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/DCBL/24-25/AA-03/01

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thangskai, Lumshnong, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM 10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
	LIMIT(S) →	---	60	100	80	80
01	Near Cement Mill	24.03.2025	48.6	91.3	9.2	11.6
02	Near CPP	24.03.2025	50.2	89.3	10.5	12.9
03	Near CCR	24.03.2025	56.4	94.8	8.3	9.9
04	Vrindavan Colony	24.03.2025	28.3	47.5	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Name of the Industry: Dalmia Cement (Bharat) Limited

Date: 28.03.2025

Monitoring Location: DCBL – Plant

Date of Monitoring: 16.03.25 to 17.03.25

Report No.: ENV/DCBL/24-25/AA-08/04

AMBIENT AIR QUALITY SURVEY REPORT

Pollutants	Locations & Analysis Results				Permissible Limits (in $\mu\text{g}/\text{m}^3$)
	Near Cement Mill	Near CPP	Near CCR	Vrindavan Colony	
Particulate Matter size less than $10\ \mu$ (PM 10)	66.0	62.8	62.2	55.7	100*
Particulate Matter size less than $2.5\ \mu$ (PM 2.5)	22.8	21.5	22.8	20.2	60*
Sulfur dioxide (SO ₂)	7.3	6.2	7.3	7.4	80*
Oxides of Nitrogen (NO _x)	8.2	8.0	8.2	8.2	80*
Carbon Monoxide (CO)	ND	ND	ND	ND	4**
Ammonia (NH ₃)	ND	ND	ND	ND	400
Ozone (O ₃)	ND	ND	ND	ND	180
Lead (Pb)	ND	ND	ND	ND	1.0
Benzene (C ₃ H ₆)	ND	ND	ND	ND	5
Benzo (a) Pyrene (BaP)	ND	ND	ND	ND	01
Arsenic (As)	ND	ND	ND	ND	06
Nickel (Ni)	ND	ND	ND	ND	20

Remarks: The parameters analyzed were found to be within the permissible limits of National Ambient Air Quality Standards.



Pankaj Baroi, For ENVIROCON

Report No.: ENV/DCBL/24-25/N-03/01

Date : 07/04/2025

Order No.: 4549000100/311

Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**

Village: Thanskai, Lumshnong, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	Near Admin Office	24.03.2025	69.6	75	65.7	70
2	Near Worker Colony	24.03.2025	50.3	55	43.8	45
3	Near Staff Colony	24.03.2025	49.2	55	41.3	45



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

ANNEXURE - LX

Sl No	Name	Age	Sex	Agency/Contractor	Department	Chest X-Ray	Sputum for AFB	PFT
1	Mohesh Urang	28	M	Randstad	Mines	Normal	Normal	Normal
2	Habil Kindo	41	M	DCBL	Mines	Normal	Normal	Normal
3	Rupu Singha	29	M	Genius	Mines	Normal	Normal	Normal
4	Vijoy Hembrom	38	M	DCBL	Mines	Normal	Normal	Normal
5	Sujit Karmakar	31	M	Genius	Mines	Normal	Normal	Normal
6	Shyam Sundar Prasad	55	M	DCBL	Mines	Normal	Normal	Mild restriction
7	Allyou Pala	39	M	DCBL	Mines	Normal	Normal	Normal
8	Khirodhar Rana	37	M	DCBL	Mines	Normal	Normal	Normal
9	Heibormi Syrti	24	M	DCBL	Mines	Normal	Normal	Normal
10	Dharmendra Kumar Singh	42	M	DCBL	Mines	Normal	Normal	Normal
11	Rimi O Syih	29	M	DCBL	Mines	Normal	Normal	Normal
12	Dipal Majhi	38	M	Randstad	Mines	Normal	Normal	Mild obstruction but clinically normal
13	Wanlangbadki Syrti	28	M	DCBL	Mines	Normal	Normal	Normal
14	Brewel Pusien	33	M	DCBL	Mines	Normal	Normal	Normal
15	Firstarwill Jungai	29	M	DCBL	Mines	Normal	Normal	Normal
16	Sakhaya Suchen	34	M	DCBL	Mines	Normal	Normal	Normal
17	Juhki Syrti	33	M	DCBL	Mines	Normal	Normal	Normal
18	Herlin Dkhar	34	M	DCBL	Mines	Normal	Normal	Normal
19	Aros Mukhim	34	M	DCBL	Mines	Normal	Normal	Normal
20	Jitender Ray	38	M	Genius	Mines	Normal	Normal	Normal
21	Praveen Kumar Mishra	52	M	DCBL	Mines	Normal	Normal	Normal
22	Vinod Kumar Rai	46	M	Genius	Mines	Normal	Normal	Normal
23	Rajib Dutta	47	M	DCBL	Mines	Normal	Normal	Normal
24	Biswajit Roy	34	M	Genius	Mines	Normal	Normal	Normal
25	Jurilis Blam	39	M	DCBL	Mines	Normal	Normal	Normal
26	Roitre Syih	39	M	DCBL	Mines	Normal	Normal	Normal
27	Kaios Shylla	29	M	DCBL	Mines	Normal	Normal	Normal
28	Subhash Mishra	41	M	DCBL	Mines	Normal	Normal	Normal
29	Wilson Dkhar	55	M	DCBL	Mines	Normal	Normal	Normal
30	Overless Lyngdoh	54	M	DCBL	Mines	Normal	Normal	Normal
31	Heimonmi Dong	39	M	DCBL	Mines	Normal	Normal	Normal
32	Ashok Acharjee	43	M	Genius	Mines	Normal	Normal	Normal
33	Heibormi Lamare	32	M	DCBL	Mines	Normal	Normal	Normal
34	Akor Pala	38	F	DCBL	Mines	Normal	Normal	Normal
35	Rupaya Dkhar	32	F	DCBL	Mines	Normal	Normal	Normal
36	Jop Paslien	40	M	DCBL	Mines	Normal	Normal	Normal
37	Pulak Paul	42	M	Genius	Mines	Normal	Normal	Normal
38	Sontosh Kumar Rai	45	M	Genius	Mines	Normal	Normal	Normal
39	Sanjoy Roy	54	M	Genius	Mines	Normal	Normal	Normal
40	Jayanta Singha	35	M	Genius	Mines	Normal	Normal	Normal
41	Tyngshian Pohthmi	48	M	DCBL	Mines	Normal	Normal	Normal
42	Shaniah Mukhim	37	M	DCBL	Mines	Normal	Normal	Normal
43	Biswajit Singh	41	M	Genius	Mines	Normal	Normal	Normal
44	Teng Khongstia	33	M	DCBL	Mines	Normal	Normal	Normal
45	Biperless Sutnga	55	M	DCBL	Mines	Normal	Normal	Normal
46	Rimiki Sungoh	39	M	DCBL	Mines	Normal	Normal	Normal
47	Jubi Dapmon Bareh	53	M	DCBL	Mines	Normal	Normal	Normal
48	Shawas Lamare	47	M	DCBL	Mines	Normal	Normal	Normal
49	Lut Pamblang	42	M	DCBL	Mines	Normal	Normal	Normal
50	Rajat Ranjan Nath	33	M	Genius	Mines	Normal	Normal	Normal
51	Goldenstar Rymbai	32	M	DCBL	Mines	Normal	Normal	Normal
52	Prahlad Borah	50	M	DCBL	Mines	Normal	Normal	Normal
53	Rajeshwar Dey	40	M	Randstad	Mines	Normal	Normal	Normal
54	Neeraj Kumar Pradhan	35	M	Genius	Mines	Normal	Normal	Normal
55	Nirmal Kumar Singha	48	M	Genius	Mines	Normal	Normal	Normal
56	Susana Salahe	29	M	DCBL	Mines	Normal	Normal	Normal
57	Radheswam Roy	27	M	Genius	Mines	Normal	Normal	Normal
58	Gopal Murmu	34	M	Genius	Mines	Normal	Normal	Normal
59	Vinay Kumar Singh	38	M	Genius	Mines	Normal	Normal	Normal

ANNEXURE — X

Sl No.	Name of the activity	Project	No. of beneficiaries covered
1	Construction of side wall in water storage tanks of Wahiajer village	Social Infrastructure	300 households
2	Support of Sports Merchandize to Tiger Sports Club, Thangskai	Social Infrastructure	18 individuals
3	Setting up of DIKSHa Center in Jaintia Eastern College, Khliehriat for imparting skill development training on Beauty Care	Skill development (DIKSHa)	30 individuals
4	Setting up of DIKSHa Center in Thangskai for imparting skill development training on Assistant Electrician Course	Skill development (DIKSHa)	30 individuals
5	Support for Broom Post Harvest Management	Gram Parivartan (Livelihoods)	162 households
6	Support for Piggery Breeding Units	Gram Parivartan (Livelihoods)	51 households
7	Support for Piggery Fattening units	Gram Parivartan (Livelihoods)	20 households
8	Support for Goatery Breeding Unit	Gram Parivartan (Livelihoods)	5 households
9	Support for Duckery Breeding unit	Gram Parivartan (Livelihoods)	3 Households
10	Support for Promotion of Micro Enterprises	Gram Parivartan (Livelihoods)	6 Households
11	Support of Maize seeds for Maize cultivation	Gram Parivartan (Livelihoods)	40 Households
12	Support for Mushroom Cultivation	Gram Parivartan (Livelihoods)	76 Households
13	Distribution of USHA Sewing Machine	Gram Parivartan (Livelihoods)	22 Households
14	Digital Literacy Program in CSL Lumshnong	Social Infrastructure	124 Candidates
15	Celebration of International Womens Day in Wahiajer village	Event and Day Celebration	100 individuals