

DCBL/ENV/2024-25/02

29<sup>th</sup> November 2024

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 **April 2024 to September 2024** condition imposed in environment clearance vide letter J-11011/190/2007-IA.II (I) dated; June 19<sup>th</sup> 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 19<sup>th</sup> 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 **April 2024 to September 2024.**

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](http://www.dalmiacement.com) CIN : U65191TN1996PLC035963  
Registered Office: Dalmiapuram, District - Tiruchirapalli, Tamil Nadu – 621 651, India  
A Dalmia Bharat Group Company, [www.dalmiabharat.com](http://www.dalmiabharat.com)

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	IA/ML/IND/18481/2013
<b>Compliance ID</b>	113768057
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/113768057/2024
<b>Reporting Year</b>	2024
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	03-12-2024
<b>RO/SRO Name</b>	Ms Imtienla Ao
<b>RO/SRO Email</b>	ms180@ifs.nic.in
<b>State</b>	MEGHALAYA
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Shillong
<b>Note:-</b> SMS and E-Mail has been sent to Ms Imtienla Ao, MEGHALAYA with Notification to Project Proponent.	



## 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 19<sup>th</sup>, 2008.**

**Period Of Compliance : April 2024 to September 2024**

	Conditions	Compliance Status
<b>A</b>	<b><u>Specific Conditions</u></b>	
(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 <sup>3</sup> 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 <sup>3</sup> & 100 mg/Nm <sup>3</sup> 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"> <li>• Opacity meters are installed at all stacks, i.e. RMBH, Coal mill, Cement mill - 1 Cement Mill - 2, ESP cooler &amp; CPP respectively. Emission levels are within the permissible limit.</li> <li>• ESPs are provided for Clinker cooler &amp; CPP - Boiler and bag house for Cement mill, Raw Mill and Coal mill respectively.</li> <li>• Bag filters are provided at various material transfer points to arrest the fugitive emission.</li> <li>• Compliance status reports is submitted to Ministry including its Regional office at Shillong, MSPCB and CPCB.</li> <li>• Particulate emissions from the Cement Plant is within the prescribed limits i.e. within 30 mg/Nm<sup>3</sup>. CPP is close since 22<sup>nd</sup> December 2022, once start, we will do monitoring (Copy of CPP shutdown information shared is attached as <b>Annexure - I</b>). Efforts are being made to meet the emission standards as notified by latest Gazette Notification. Latest Stack Emission Monitoring Report enclosed in <b>Annexure - II</b>.</li> <li>• Interlocking facilities are provided.</li> </ul>
(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 <b>Annexure - III</b> .

		<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 <b><u>Annexure - IV.</u></b></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 <b><u>Annexure - V.</u></b></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"> <li>• 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.</li> <li>• Water sprinkling arrangement is provided in raw material stock yard, on haul roads and inside the plant to control the dust emission.</li> </ul>
(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"> <li>• Raw materials are transported through covered trucks and there is no impact on surrounding environment.</li> </ul>



(v)	Total water requirement from Lunar river shall not exceed 2500 m <sup>3</sup> /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"> <li>Water withdrawal from Lunar river is within 2500 m<sup>3</sup>/day.</li> <li>STP has been installed and is in operation.</li> <li>Cement manufacturing process is totally dry, there is no waste water generation.</li> <li>Treated water is used for road dust suppression / green belt development.</li> <li>There is no waste water discharge outside the plant premises.</li> </ul>
(vi)	Prior permission for the drawl of 2500 m <sup>3</sup> /day from Lunar River shall be obtained from the concern department	<ul style="list-style-type: none"> <li>Obtained No objection certificate (NOC) from Irrigation Department Jowai, Jaintia hills for 5500 m<sup>3</sup>/day for Cement and Power plant dated 11<sup>th</sup> July 2007.</li> </ul>
(vii)	The dust collected from the pollution control equipment shall be recycled back into the process and reutilized.	<ul style="list-style-type: none"> <li>The dusts from bag house and bag filters is recycled into the process and re utilized.</li> </ul>
(viii)	Fly ash shall be utilized as per Fly ash notification,1999 subsequently amended in 2003	<ul style="list-style-type: none"> <li>Total Fly ash generated from the CPP is utilized in existing cement manufacturing.</li> </ul>
(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"> <li>The kiln has been designed to use high calorific hazardous wastes.</li> </ul>
(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"> <li>Greenbelt developed has been completed in targeted 33% area, i.e. 17 ha. Which includes around 17,211 nos. of different sapling. <del>has been done so far</del>. However, we will continue of plant more sapling in coming years to make more greenery.</li> </ul>
(xi)	All the recommendations of the Corporate Responsibility for Environment Protection (CREP) shall be strictly followed.	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>All CREP conditions for the Cement plants and Power plants are being implemented and strictly followed.</li> </ul>
<b>B</b>	<b><u>General Conditions</u></b>	
(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"> <li>Yes, We comply with all the stipulation made by the Meghalaya SPCB, CPCB and State Govt.</li> </ul>



(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"> <li>Noted. In future, if any expansion or modification is proposed, prior approval will be obtained from the ministry.</li> </ul>
(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 <sub>2</sub> and NO <sub>x</sub> 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"> <li>We have established four (4) ambient air quality-monitoring stations as suggested by the Meghalaya State Pollution Control Board.</li> <li>Data on ambient air quality and stack emission are submitting to MSPCB on regular basis. Six monthly report to Regional office of MoEF&amp;CC is being submitted. Latest Ambient Air Quality Monitoring &amp; Stack Emission monitoring report enclosed in <b>Annexure - VI &amp; II</b> respectively.</li> <li>We have also carried out Monitoring for all 12 parameters of Ambient Air Quality Monitoring as mentioned in MoEF&amp;CC Notifications G.S.R. 826 (E), dated 16.11.2009. Copy of latest Ambient Air Quality Monitoring Report is attached as <b>Annexure - VII</b>. We also assure that same will be continued in future compliances</li> </ul>
(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"> <li>Our cement manufacturing process is totally dry process; there is no waste water generation.</li> <li>We are maintaining zero discharge for the entire plant.</li> <li>Waste-water generated from CPP is reused.</li> <li>Waste-water generated from mines workshop is used for dust suppression after removing the oil &amp; grease traces through ETP.</li> </ul>
(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"> <li>We maintained over all noise level within prescribed limit in and around the plant area.</li> <li>The ambient noise levels are well within the standards prescribed under EPA Rules viz., 75 dB (A) (Daytime) and 70 dB (A) (Night time).</li> <li>The monitoring is carried out regularly and Latest Monitoring report is attached herewith in <b>Annexure - VIII</b>.</li> </ul>
(vi)	Proper Housekeeping & adequate occupational Health programmes must be taken up. Occupational Health surveillance programme shall be done on a regular basis	<ul style="list-style-type: none"> <li>We maintained good housekeeping in all areas of plant. Pphotographs of some area - before and after Housekeeping are attached as <b>Annexure-IX</b>.</li> </ul>



	and records maintained. The programme must include Lung function and sputum analysis tests once in six months.	<ul style="list-style-type: none"> <li>Personal protective equipment/devices are provided to all the persons to avoid direct exposure of dust and noise.</li> <li>Occupational Health surveillance program is also regularly done. Lung Function and sputum analysis is also regular carried out. Test report of Lung function and sputum analysis is enclosed as <b>Annexure - X</b>.</li> </ul>
(vii)	The company shall harvest the rainwater from the rooftops and storm water drains to recharge the ground water.	<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 <u>recharge groundwater by harvesting</u> 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. Also, <del>we have also started construction of ground water recharge system at various locations.</del></p> <p><u>Considering the above. It is kindly requested to exempt us from the said condition of recharging groundwater by rainwater harvesting. Photographs of the Umsoo rainwater intake point and storm water intake point is enclosed as <b>Annexure - XIV</b>.</u></p>
(viii)	The company shall undertake eco-development measures including community welfare measures in the project area.	<p>Complied.</p> <p>Undertaking various community welfare measures through CSR activities like.</p> <p>1. Construction of footbridge cum culvert</p>



		<p>2. Promotion of fuel efficient cook stoves and solar study lamps.</p> <p>3. Medical camps, construction of schools toilets and awareness camps</p> <p>4. Awareness generation campaign. Livelihood and Skill Training, etc.</p> <p>Report of the same is submitted to your good vide letter dated 8-10-2023.</p>
(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> <p>The details recurring expenditure towards environmental protection during April, 2024 to September 2024 is enclosed as <b>Annexure - XI</b>.</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 closure and final approval of the project by the concerned authorities and the date of commencing the land	<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</p>

	development work.	as below: CEMENT PLANT : August 2010 CAPTIVE POWER PLANT(CPP) : February 2010
(xiv)	The project proponent Meghalaya inform 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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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.	Complied  Public notice had been published & cutting of the local newspaper already submitted to the office (ref. letter dated 01/02/2008).

## 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@knowledgegens.com>; GLens Team <glens@knowledgegens.com>; aditya.cpcb@nic.in <aditya.cpcb@nic.in>

Cc: Raju Ranjan Prasad <prasad.razu@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 – 30<sup>th</sup> 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-10/01  
 Date : 07/11/2024

 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/2024/SE-10/01		
02	Date of Sampling	20.10.2024		
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)	156		
07	Exit Velocity of Gas (m/sec)	17.3		
08	Flow Rate (Nm³/hr)	305841		
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)	757	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	462	mg/Nm³	800


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

**NOTE:**

- Results reported are valid at the time of and under the prevailing conditions of measurement.
- Results refer only to the particular parameters tested.
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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.

Report No.: ENV/DCBL/24-25/SE-10/02  
Date : 07/11/2024

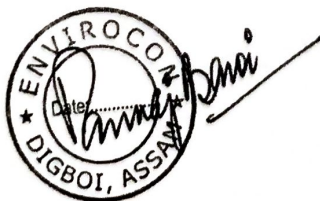
Order No.: 4549000100/311  
Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**  
Village: Thangskai, Lumshnong, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2024/SE-10/02		
02	Date of Sampling	20.10.2024		
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)	52		
07	Exit Velocity of Gas (m/sec)	12.3		
08	Flow Rate (Nm³/hr)	49832		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	561	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	212	mg/Nm³	800

\*NA: Not Applicable



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

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Report No.: ENV/DCBL/24-25/SE-10/03  
Date : 07/11/2024

Order No.: 4549000100/311  
Date : 19/04/2024

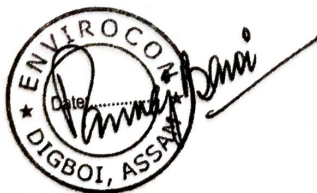
Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**  
Village: Thangskai, Lumshnong, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2024/SE-10/03		
02	Date of Sampling	20.10.2024		
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)	128		
07	Exit Velocity of Gas (m/sec)	6.8		
08	Flow Rate (Nm³/hr)	228639		
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 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-10/04

Date : 07/11/2024

Order No.: 4549000100/311

Date : 19/04/2024

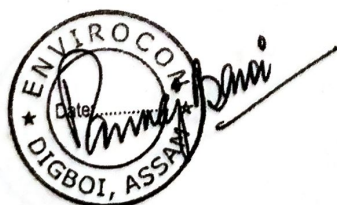
Report Issued To: **DALMIA CEMENT (BHARAT) LIMITED**  
Village: Thangskai, Lumshnong, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2024/SE-10/04		
02	Date of Sampling	21.10.2024		
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)	70		
07	Exit Velocity of Gas (m/sec)	14.6		
08	Flow Rate (Nm³/hr)	143477		
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 NOₓ)	BDL#	mg/Nm³	800

\*NA: Not Applicable

#BDL: Below Detection Level



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

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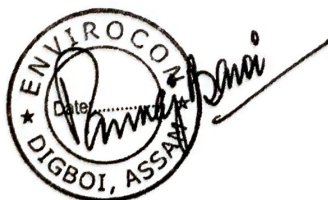
Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**  
Village: Thangskai, Lumshnong, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2024/SE-10/05		
02	Date of Sampling	21.10.2024		
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)	74		
07	Exit Velocity of Gas (m/sec)	21.8		
08	Flow Rate (Nm³/hr)	211764		
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**

**NOTE:**

- Results reported are valid at the time of and under the prevailing conditions of measurement.
- Results refer only to the particular parameters tested.
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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.

Report No.: ENV/DCBL/24-25/SE-10/06  
Date : 07/11/2024

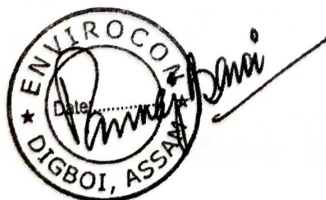
Order No.: 4549000100/311  
Date : 19/04/2024

Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**  
Village: Thangskai, Lumshnong, Meghalaya

### STACK EMISSION TEST RESULTS

01	Test Ref. No.	DCBL/2024/SE-10/06		
02	Date of Sampling	22.10.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Crusher B.F.		
05	Stack Diameter (Meter)	0.7		
06	Flue Gas Temperature (°C)	28		
07	Exit Velocity of Gas (m/sec)	4.6		
08	Flow Rate (Nm³/hr)	6310		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	16	mg/Nm³	30
ii.	Sulphur Dioxide (as SO₂)	BDL#	mg/Nm³	1000
iii.	Oxides of Nitrogen (as NOₓ)	BDL#	mg/Nm³	800

<sup>#</sup>BDL: Below Detection Level



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

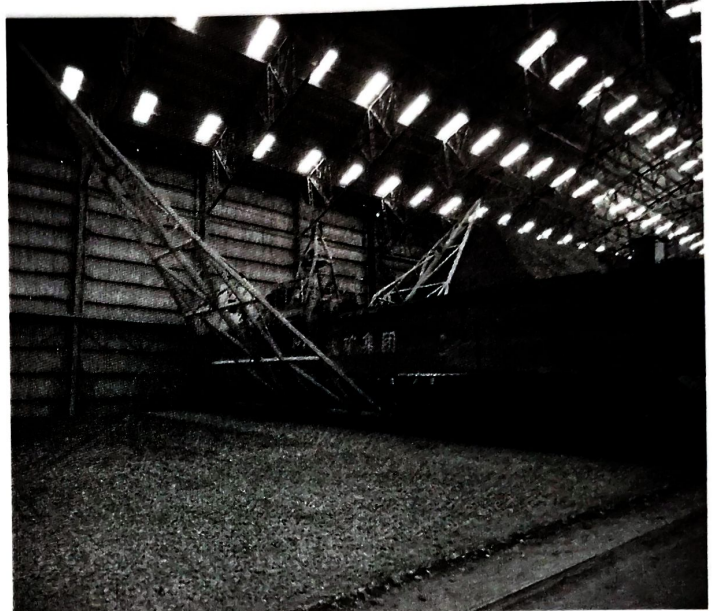
**NOTE:**

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- Results refer only to the particular parameters tested.
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**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

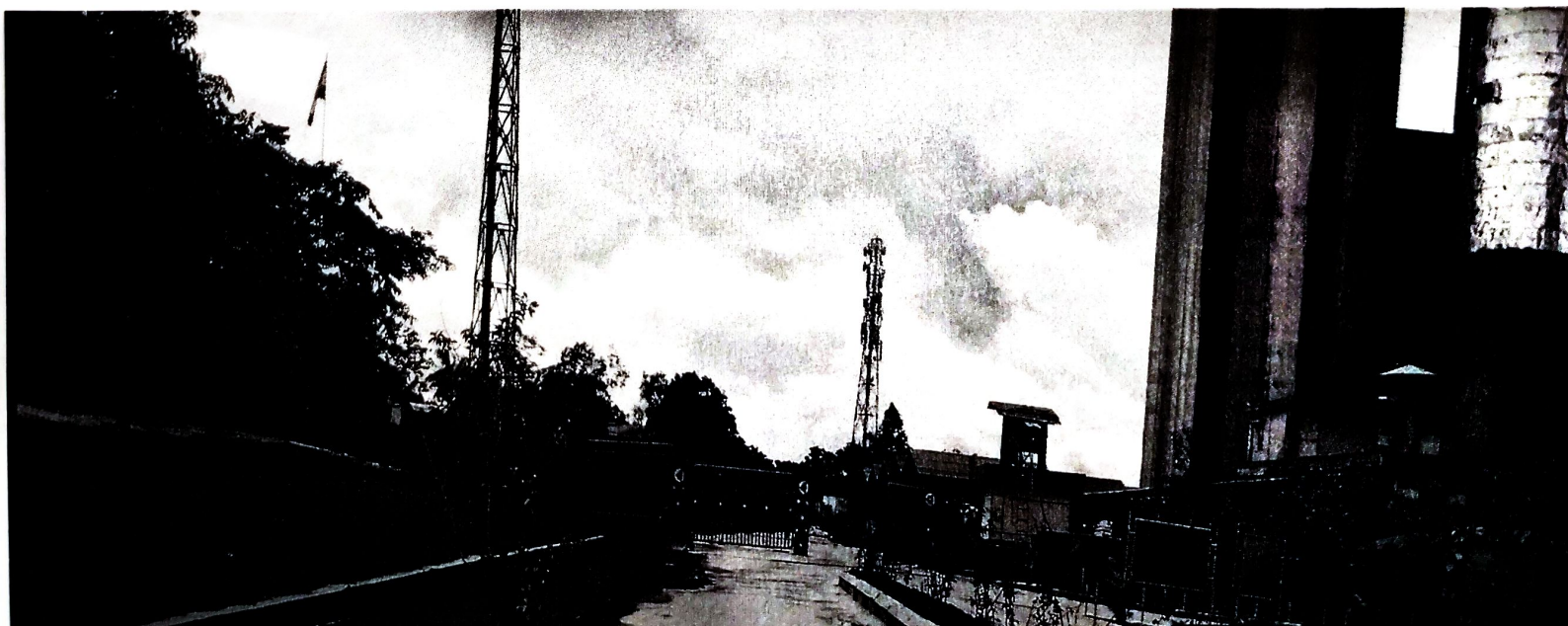
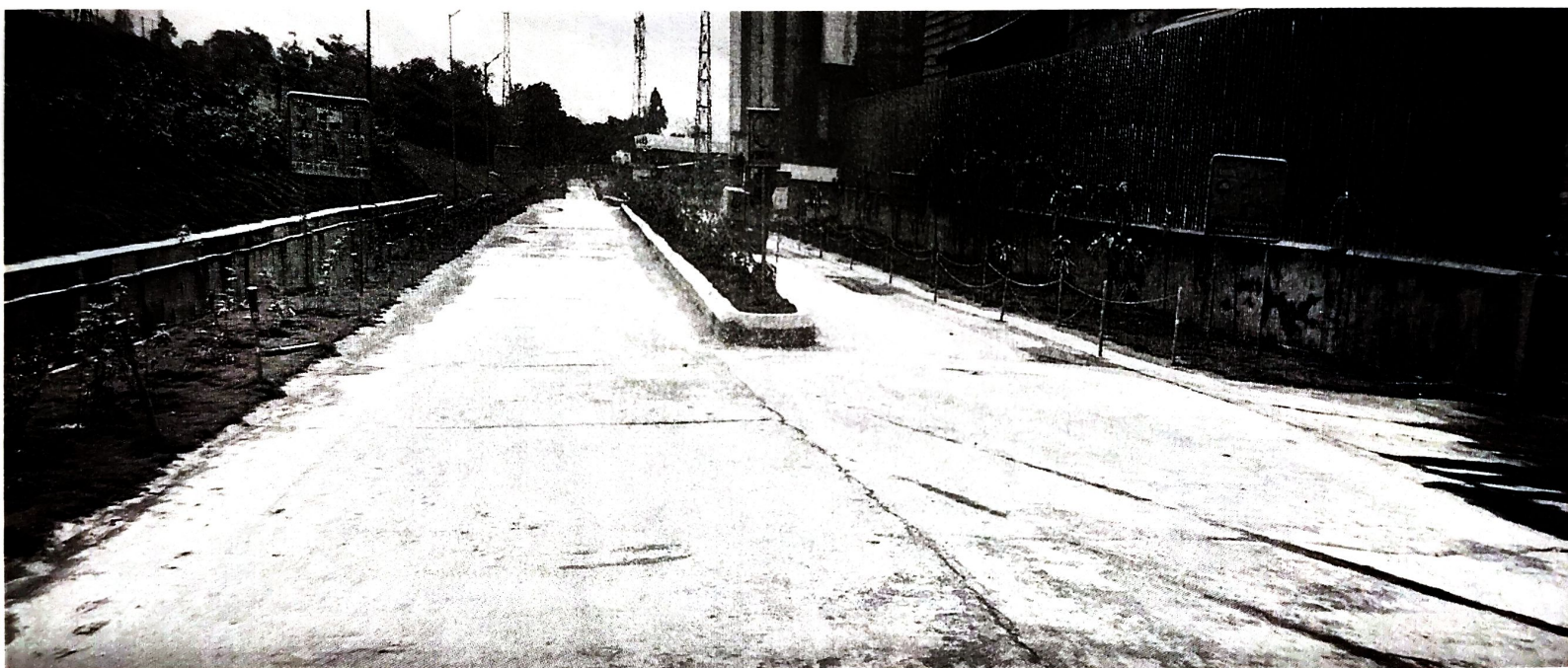


Annexure - III

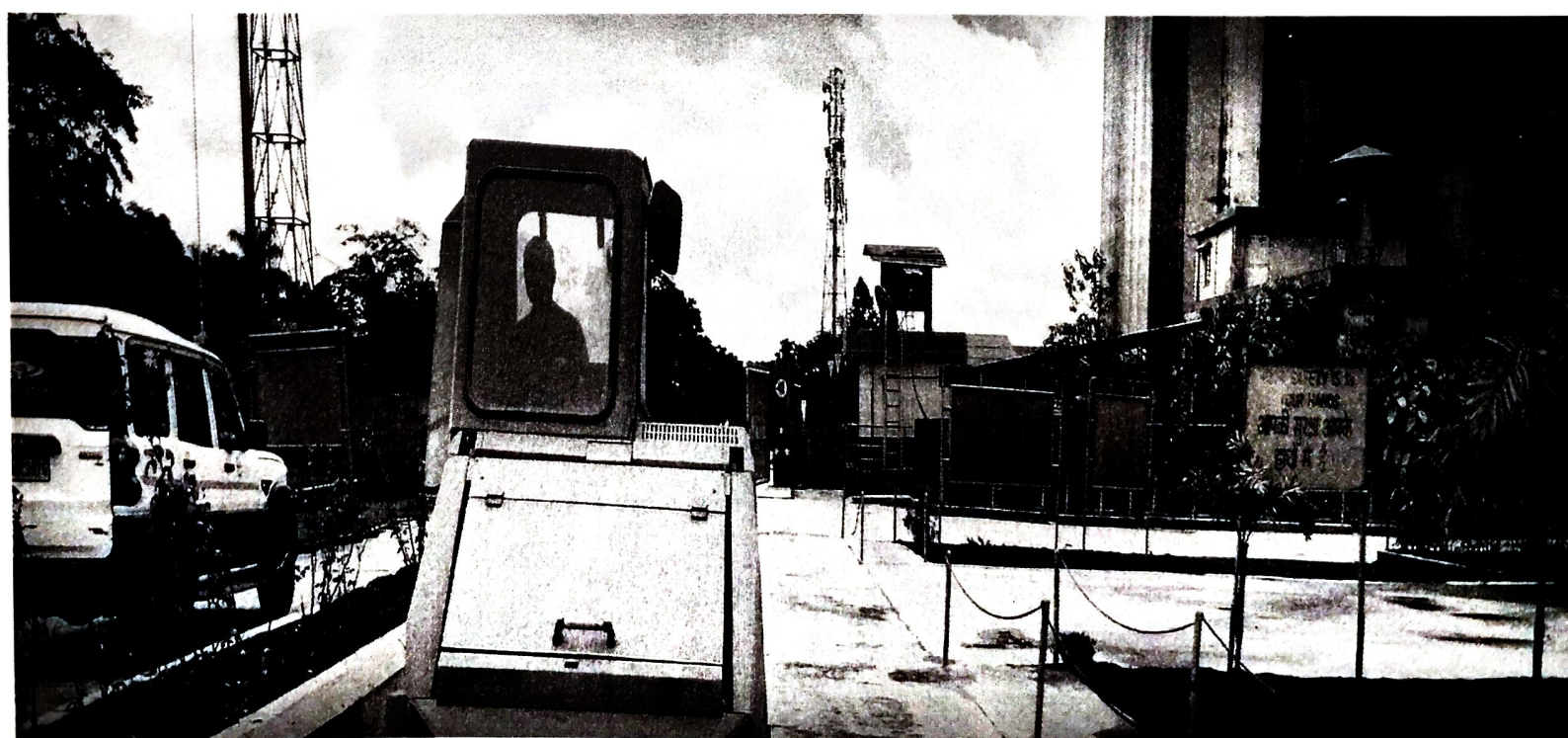
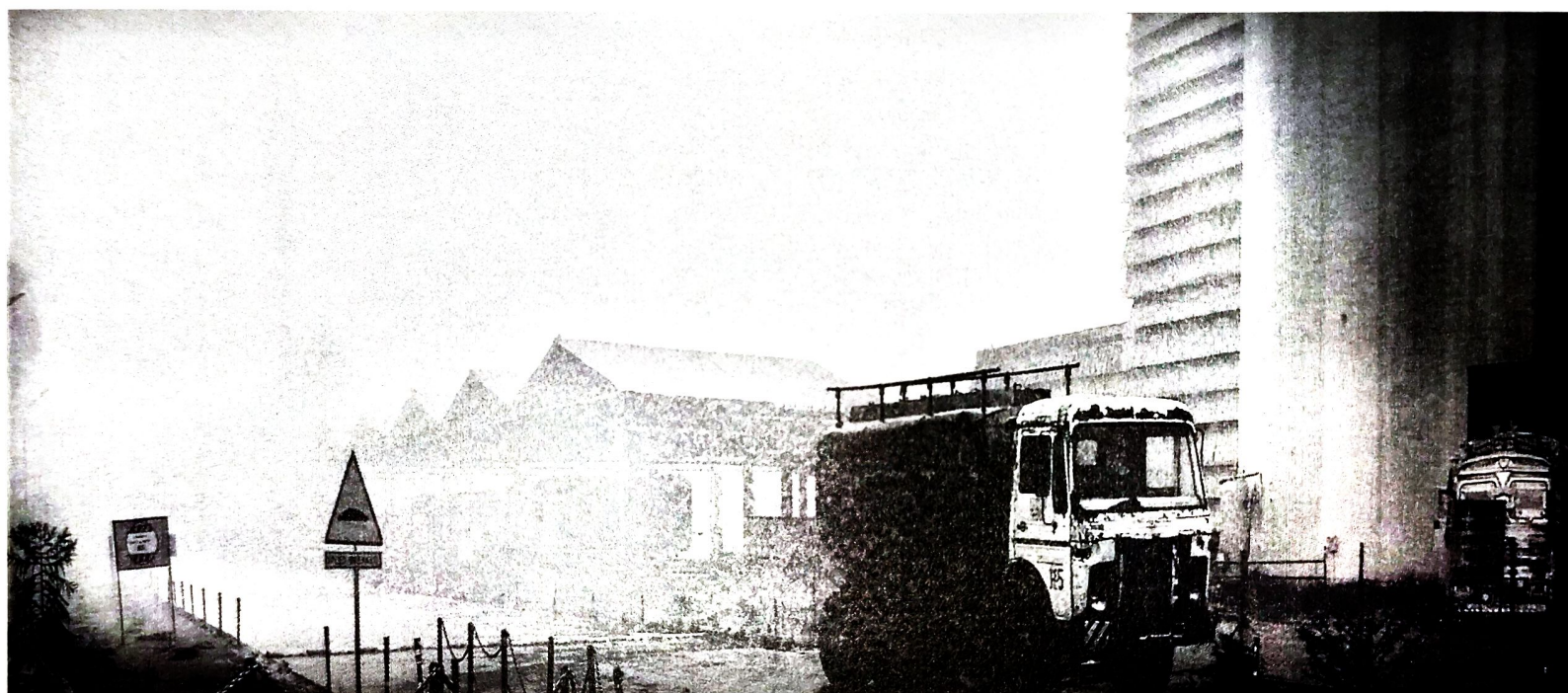
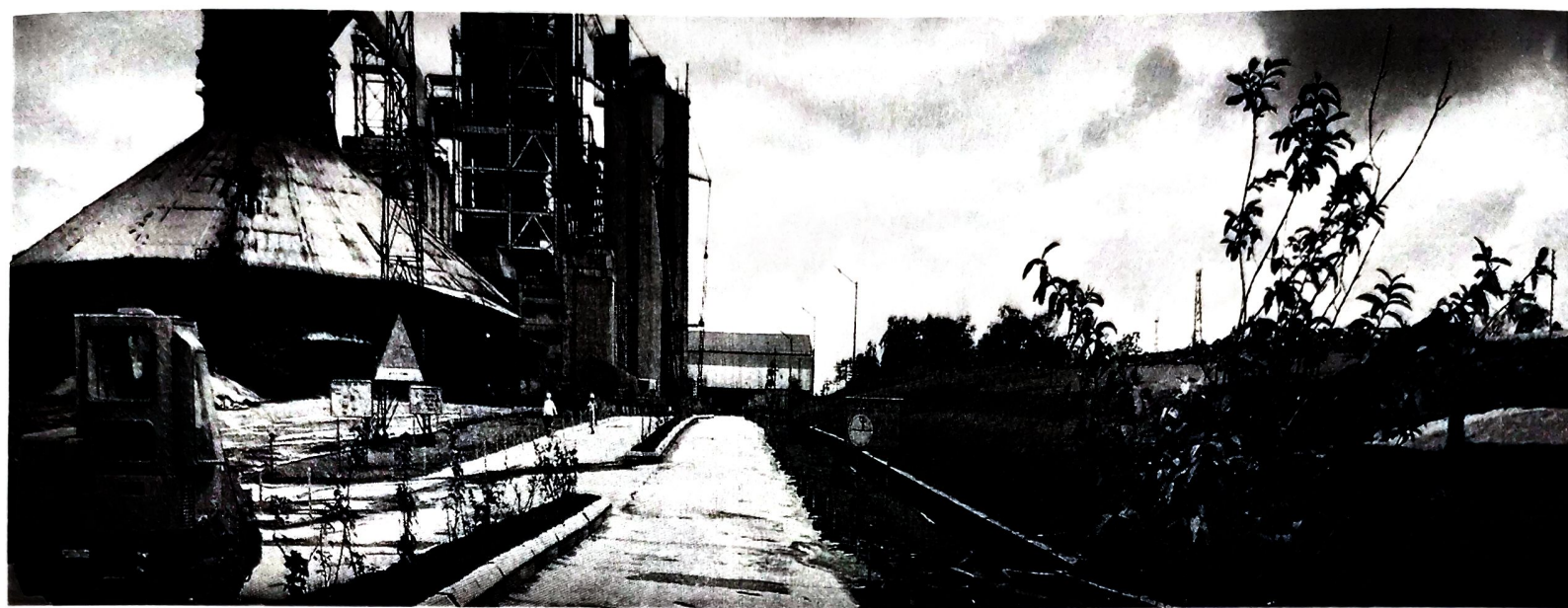




Annexure – IV



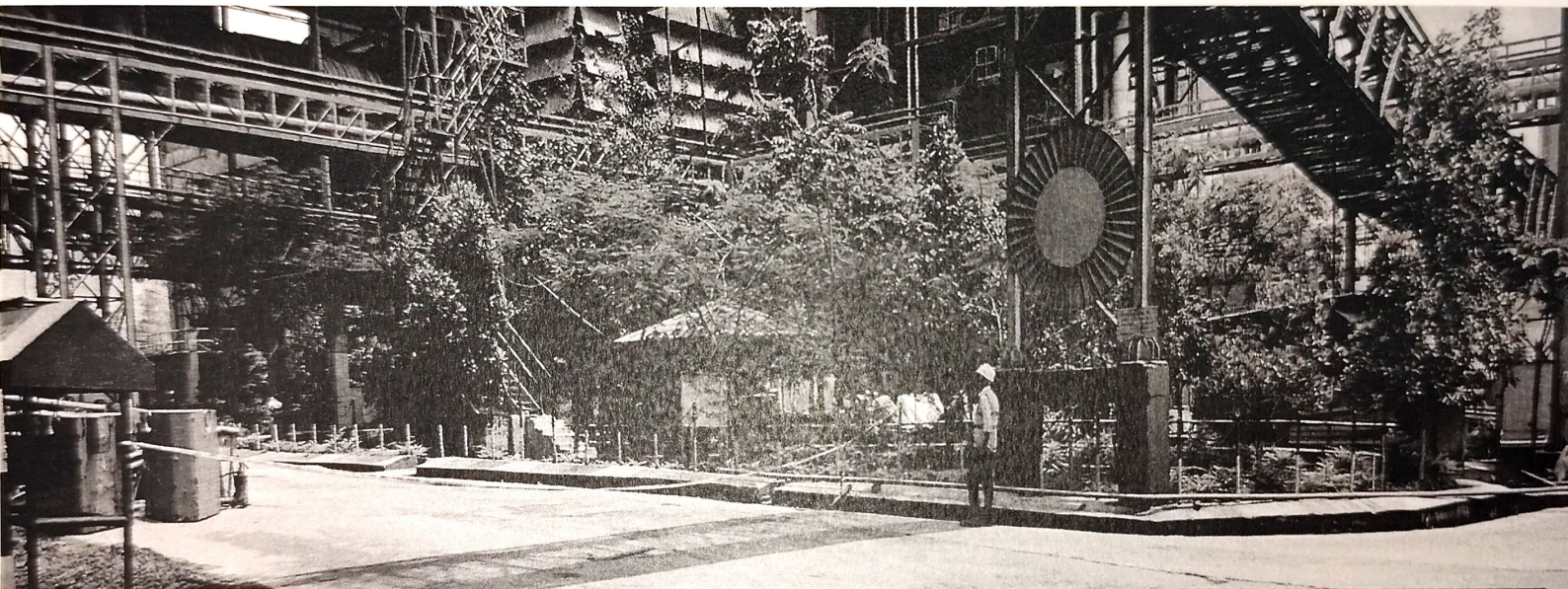




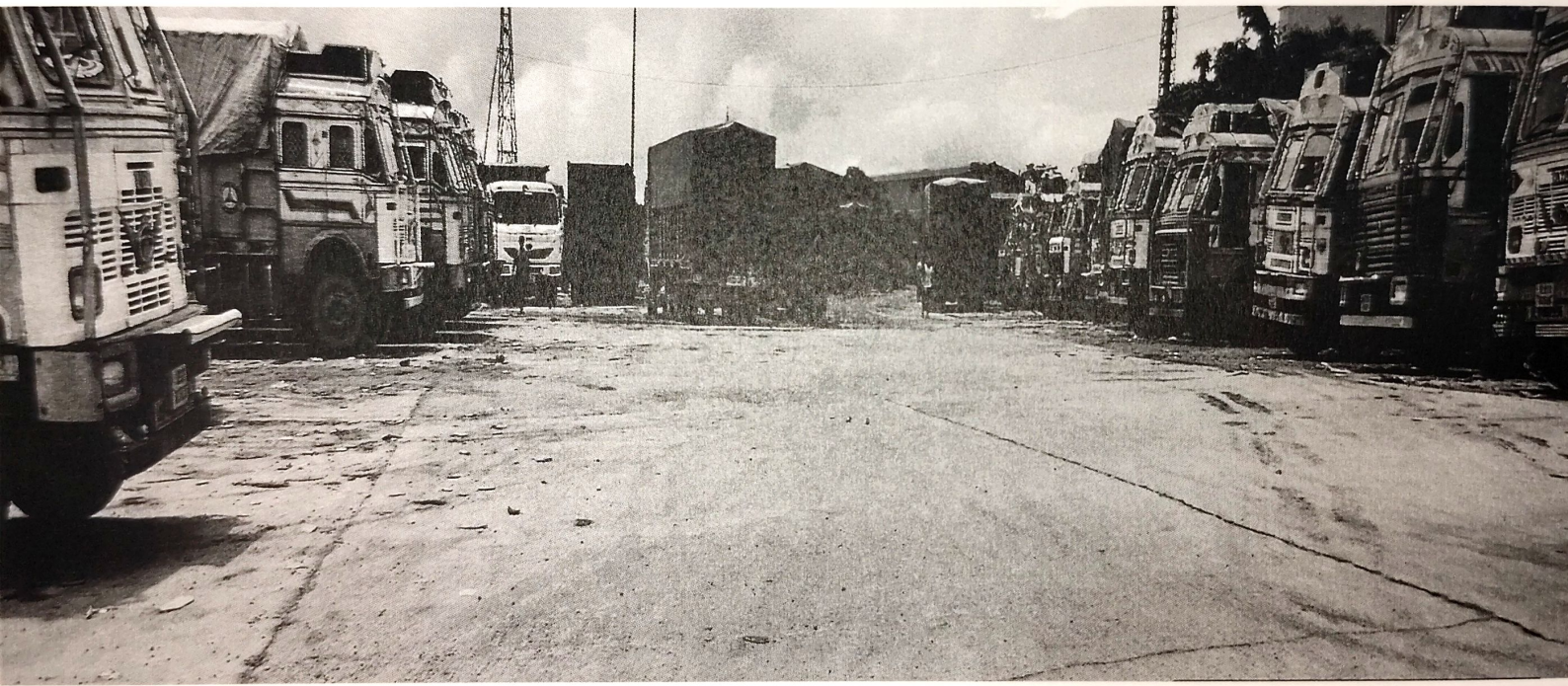














Annex V

Report No.: ENV/DCBL/24-25/FE-10/01  
Date : 07/11/2024

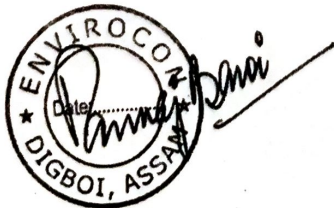
Order No.: 4549000100/311  
Date : 19/04/2024

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	20.10.2024	2571	5000
02	Coal Storage Section	20.10.2024	1134	2000
03	Limestone Storage Section	20.10.2024	1582	5000
04	Cement Packing Section	20.10.2024	2918	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.
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**Associate Services:** Certification by Competent Person (CIF), NDT Hydraulic Testing, Chartered Engineering

Report No.: ENV/DCBL/24-25/AA-10/01  
 Date : 07/11/2024

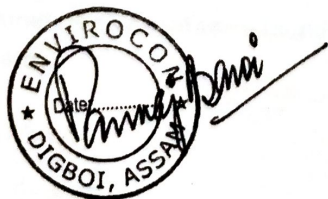
 Order No.: 4549000100/311  
 Date : 19/04/2024

 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 <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	LIMIT(S) →	---	60	100	80	80
01	Near Cement Mill	20.10.2024	33.8	65.2	7.3	7.9
02	Near CPP	20.10.2024	36.2	73.1	8.4	9.1
03	Near CCR	20.10.2024	35.3	68.3	6.1	7.2
04	Vrindavan Colony	20.10.2024	28.2	53.7	5.5	6.7

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

**NOTE:**

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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/N-10/01

Date : 07/11/2024

Order No.: 4549000100/311

Date : 19/04/2024

 Report Issued To : **DALMIA CEMENT (BHARAT) LIMITED**  
 Village: Thangskai, Lumshnong, Meghalaya
**NOISE LEVEL MEASUREMENT RESULTS**

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			Leq (dB-A)	Limit (dB-A)	Leq (dB-A)	Limit (dB-A)
1	Near Admin Office	20.10.2024	70.3	75	65.8	70
2	Near Worker Colony	20.10.2024	49.3	55	42.7	45
3	Near Staff Colony	20.10.2024	47.5	55	41.8	45



Checked By: Mr. Pankaj Baroi, ENVIROCON

**NOTE:**

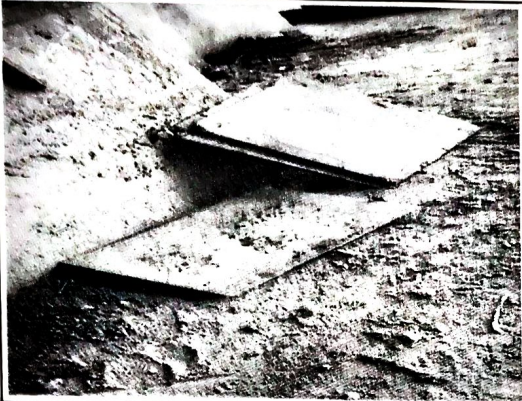

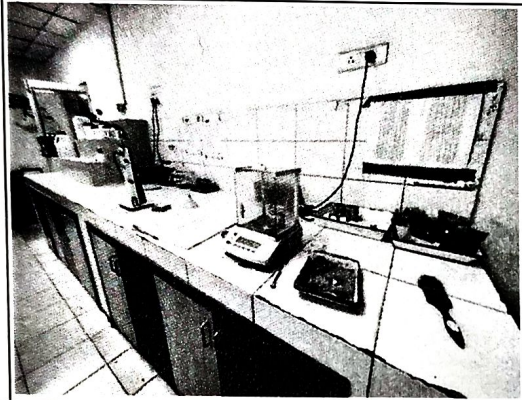

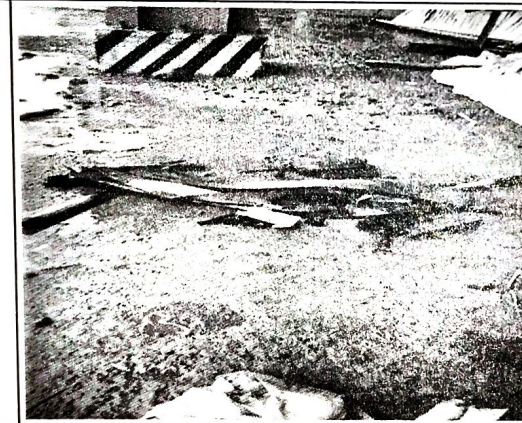

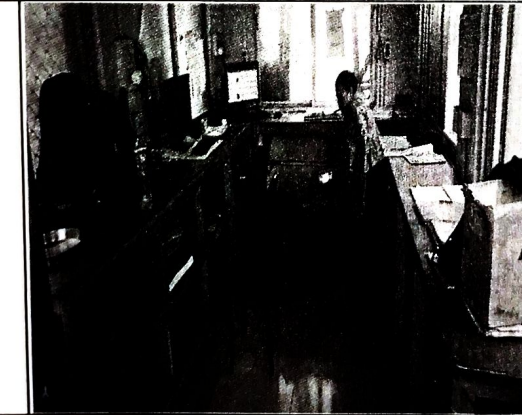

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786 171, 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.

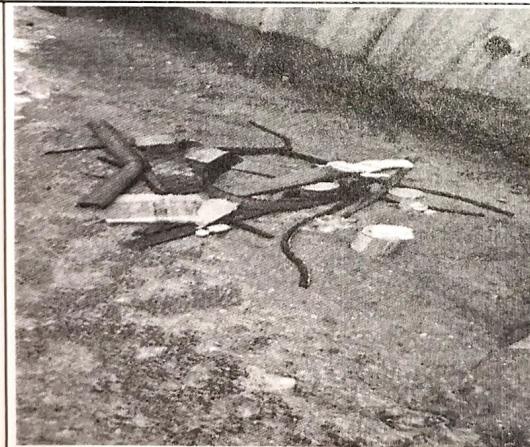
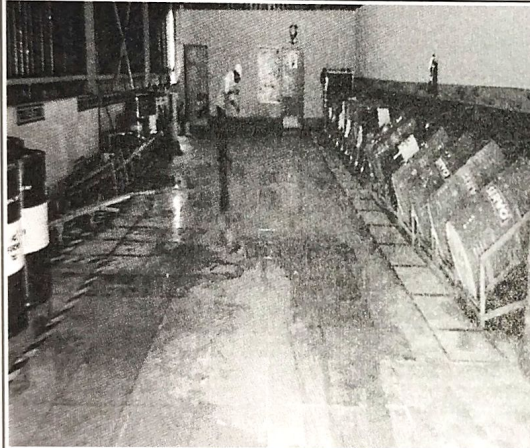
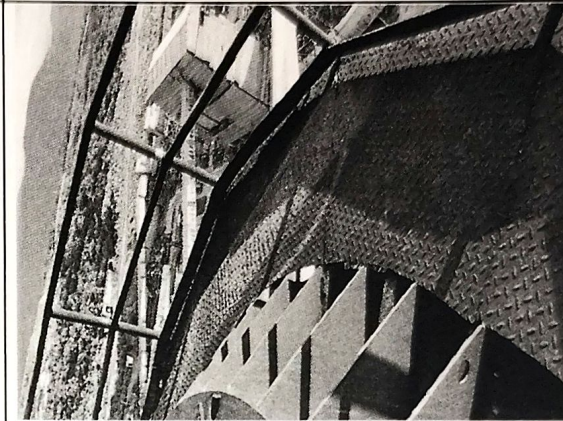
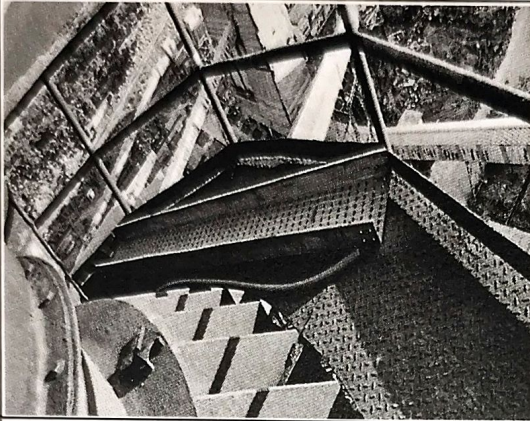


# Annex IX

## DALMIA CEMENT BHARAT LIMITED, MGH HOUSE-KEEPING ACTIVITIES SCHEDULE

Sl.no	PHOTO	
	BEFORE	AFTER
1		
2		
3		
4		







10



11





# OHC DALMIA CEMENT (BHARAT) LTD

HC DALMIA CEMENT (BHARAT) LTD

Umsoo Mootang, Thangskai (VIII), East Jaintia Hills District, Meghalaya-793210

057 - FINAL SUCHIANG

48 Years / Male / Ht 149 Cms / 90 Kgs / Smoker

## FVC TEST

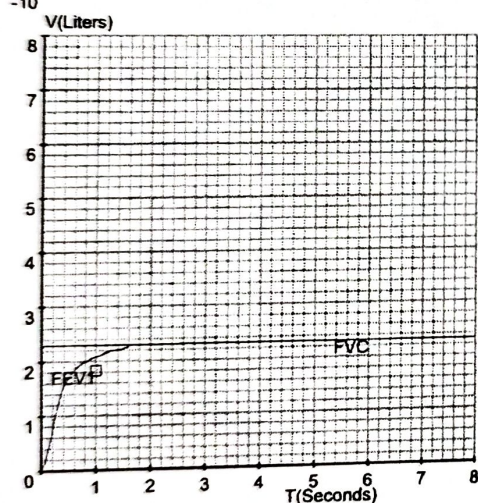
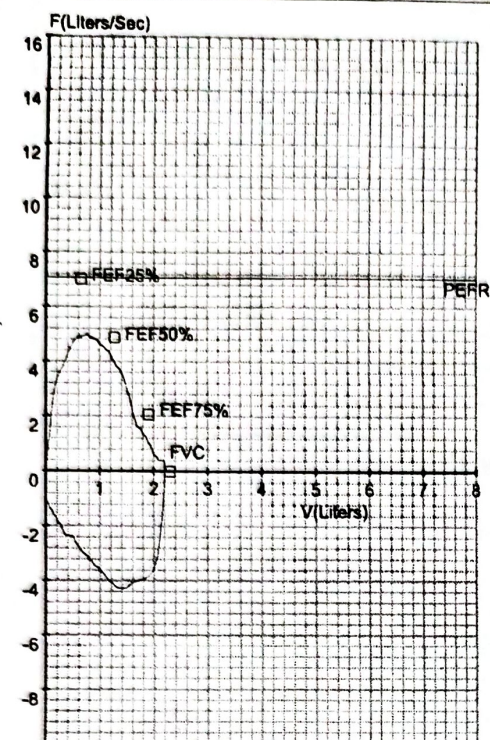
Date: 10-08-2024 (T1)

Pred Eqn : CLARITY

Eth.Corr: 100

Temp : 0°C

Ref By : NONE



Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 2.29	2.23	98	--	--	--
FEV1	[L] 1.82	2.11	116	--	--	--
FEV.5	[L] --	1.78	--	--	--	--
FEV3	[L] 2.22	--	--	--	--	--
FEV6	[L] --	--	--	--	--	--
PEFR	[L/s] 7.08	5.00	71	--	--	--
FEF25-75	[L/s] 3.18	4.11	129	--	--	--
FEF75-85	[L/s] --	1.41	--	--	--	--
FEF.2-1.2	[L/s] 5.28	4.39	83	--	--	--
FEF25%	[L/s] 6.99	5.65	81	--	--	--
FEF50%	[L/s] 4.83	4.81	99	--	--	--
FEF75%	[L/s] 2.10	1.51	72	--	--	--
FEV.5/FVC	[%] --	79.85	--	--	--	--
FEV1/FVC	[%] 79.63	94.40	119	--	--	--
FEV3/FVC	[%] 97.00	--	--	--	--	--
FEV6/FVC	[%] --	--	--	--	--	--
FEV1/FEV6	[%] --	--	--	--	--	--
FET	[S] --	1.53	--	--	--	--
ExpiTime	[S] --	0.20	--	--	--	--
LungAge	[Y] 48.00	40.00	83	--	--	--
FIVC	[L] --	2.33	--	--	--	--
PIFR	[L/s] --	4.30	--	--	--	--
FIF25%	[L/s] --	5.47	--	--	--	--
FIF50%	[L/s] --	5.09	--	--	--	--
FIF75%	[L/s] --	2.07	--	--	--	--
FIV.5	[L] --	1.06	--	--	--	--
FIV1	[L] --	2.21	--	--	--	--
FIV3	[L] --	--	--	--	--	--
FIV.5/FIVC	[%] --	45.35	--	--	--	--
FIV1/FIVC	[%] --	94.72	--	--	--	--
FIV3/FIVC	[%] --	--	--	--	--	--

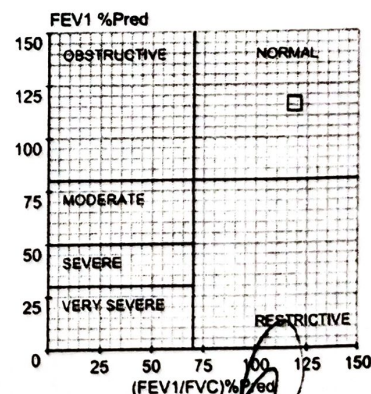
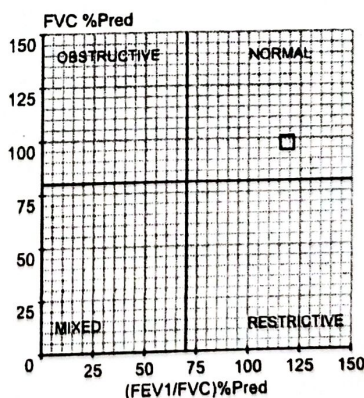
### - Pre Medication Report :

Spirometry within Normal range as FVC%  $\geq$  80 And FEV1/FVC%  $>$  70

### - Pre COPD Severity Report:

COPD Severity within Normal range

### - Doctor's Comments :





DALMIA CEMENT (BHARAT) LTD, MEGHALAYA				
Medical Laboratory Report, OHC				
Name : <i>Fimal Suching</i>		Report Date : <i>10/8/24</i>		
Age : <i>45Y</i>		Sample collection Date : <i>10/8/24</i>		
Gender : <i>M</i>		Lab Report No : <i>12</i>		
Sl. No.	Test Name	Results	Unit	Normal Range
	Blood			
1	Blood glucose (Random)	<i>96</i> ✓	mg/dL	< 140
2	AFB Staining	Seen/Not seen		

:End of Report:





# OHC DALMIA CEMENT (BHARAT) LTD

Umsoo Mootang, Thangskai (Vill), East Jaintia Hills District, Meghalaya-793210

EMENT (BHARAT) LTD

IMAL ROY

s / Male / Ht 169 Cms / 80 Kgs / Smoker

## FVC TEST

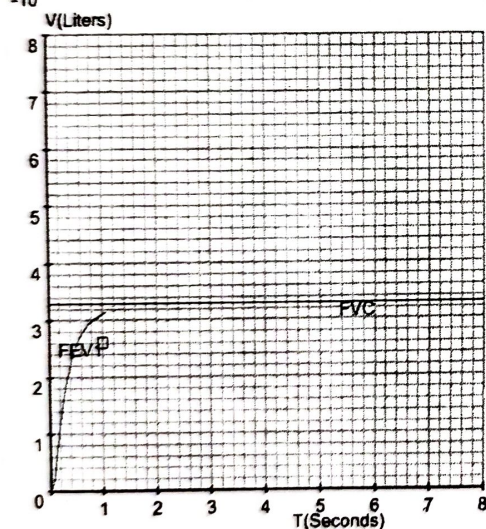
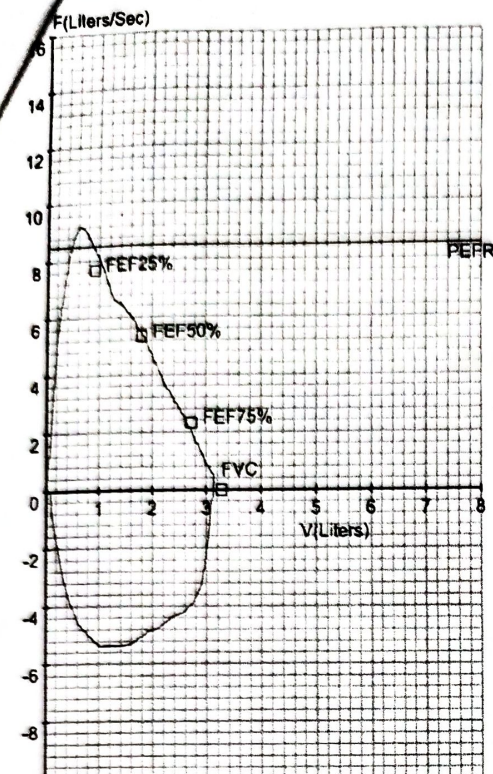
Date: 13-08-2024 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



### - Pre Medication Report :

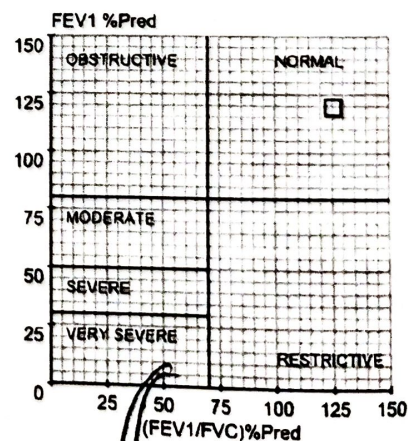
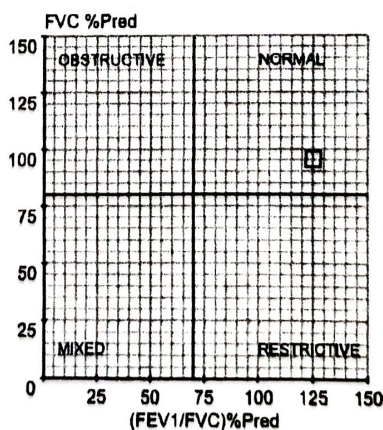
Spirometry within Normal range as FVC%  $\geq$  80 And FEV1/FVC%  $>$  70

### - Pre COPD Severity Report:

COPD Severity within Normal range

### - Doctor's Comments :

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.27	3.13	96	--	--
FEV1	[L]	2.60	3.11	120	--	--
FEV.5	[L]	--	2.69	--	--	--
FEV3	[L]	3.18	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	8.46	9.21	109	--	--
FEF25-75	[L/s]	3.52	6.06	172	--	--
FEF75-85	[L/s]	--	2.88	--	--	--
FEF.2-1.2	[L/s]	6.23	7.86	126	--	--
FEF25%	[L/s]	7.67	9.88	129	--	--
FEF50%	[L/s]	5.32	6.90	130	--	--
FEF75%	[L/s]	2.34	3.53	151	--	--
FEV.5/FVC	[%]	--	85.79	--	--	--
FEV1/FVC	[%]	79.44	99.50	125	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	0.99	--	--	--
ExpiTime	[S]	--	0.12	--	--	--
LungAge	[Y]	49.00	39.00	80	--	--
FIVC	[L]	--	3.03	--	--	--
PIFR	[L/s]	--	5.41	--	--	--
FIF25%	[L/s]	--	10.44	--	--	--
FIF50%	[L/s]	--	7.39	--	--	--
FIF75%	[L/s]	--	5.03	--	--	--
FIV.5	[L]	--	1.86	--	--	--
FIV1	[L]	--	--	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	61.51	--	--	--
FIV1/FIVC	[%]	--	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--





## DALMIA CEMENT (BHARAT) LTD, MEGHALAYA

## Medical Laboratory Report, OHC

Name: **Pohemal Roy**  
Age: **49**  
Gender: **M**

Report Date: **13/08/24**Sample collection Date: **13/08/24**Lab Report No: **4**

Sl. No.	Test Name	Results	Unit	Normal Range
	Blood			
1	Blood glucose (Random)	123 ✓	mg/dL	< 140
2	AFB Staining	Seen/Not seen		

:End of Report:





038 - GONESH ROY

32 Years / Male / Ht 167 Cms / 71 Kgs / Smoker

## FVC TEST

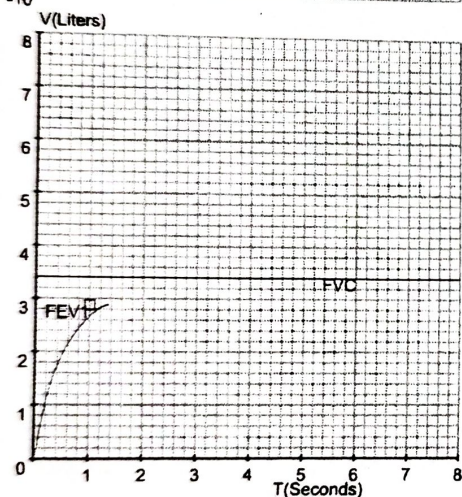
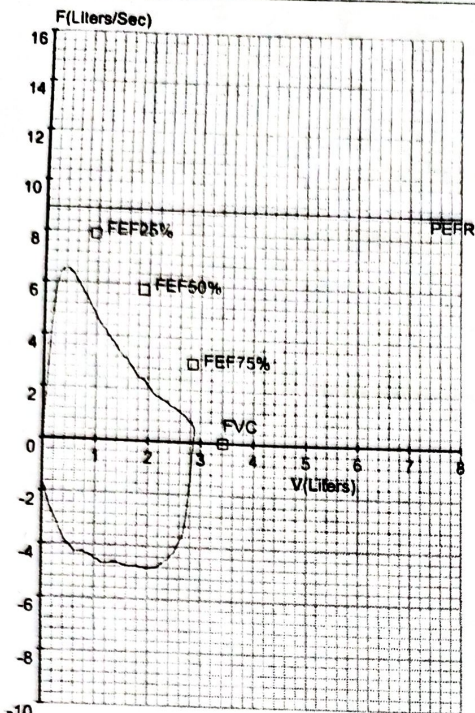
Date: 09-08-2024 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE

**- Pre Medication Report :**

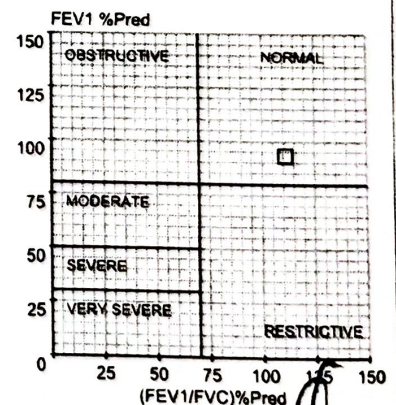
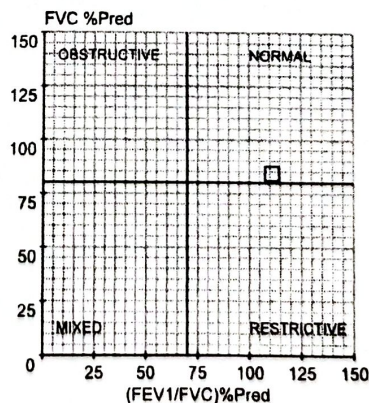
Spirometry within Normal range as FVC%  $\geq$  80 And  
FEV1/FVC%  $>$  70

**- Pre COPD Severity Report:**

COPD Severity within Normal range

**- Doctor's Comments :**

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.41	2.87	84	--	--
FEV1	[L]	2.88	2.69	93	--	--
FEV5	[L]	--	2.00	--	--	--
FEV3	[L]	3.31	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	8.92	6.53	73	--	--
FEF25-75	[L/s]	4.24	3.57	84	--	--
FEF75-85	[L/s]	--	1.60	--	--	--
FEF2-1.2	[L/s]	7.28	5.34	73	--	--
FEF25%	[L/s]	7.94	6.56	83	--	--
FEF50%	[L/s]	5.78	3.68	64	--	--
FEF75%	[L/s]	3.01	1.79	59	--	--
FEV5/FVC	[%]	--	69.70	--	--	--
FEV1/FVC	[%]	84.35	93.53	111	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	1.35	--	--	--
ExpiTime	[S]	--	0.07	--	--	--
LungAge	[Y]	32.00	34.00	106	--	--
FIVC	[L]	--	2.95	--	--	--
PIFR	[L/s]	--	4.85	--	--	--
FIF25%	[L/s]	--	6.59	--	--	--
FIF50%	[L/s]	--	4.05	--	--	--
FIF75%	[L/s]	--	2.07	--	--	--
FIV.5	[L]	--	1.03	--	--	--
FIV1	[L]	--	2.87	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	34.98	--	--	--
FIV1/FIVC	[%]	--	97.40	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--





DALMIA CEMENT (BHARAT) LTD, MEGHALAYA				
Medical Laboratory Report, OHC				
Name : <b>Gonresh Roy</b>		Report Date : <b>09/08/24</b>		
Age : <b>32 yrs</b>		Sample collection Date : <b>09/08/24</b>		
Gender : <b>m</b>		Lab Report No : <b>9</b>		
Sl. No.	Test Name	Results	Unit	Normal Range
1	Blood glucose (Random)	<b>120 ✓</b>	<b>mg/dL</b>	<b>&lt; 140</b>
2	AFB Staining	Seen/Not seen		

:End of Report:





# OHC DALMIA CEMENT (BHARAT) LTD

OHC DALMIA CEMENT (BHARAT) LTD

Umsoo Mootang, Thangskai (VIII), East Jaintia Hills District, Meghalaya-793210

034 - KUMAR BHANDARI

36 Years / Male / Ht 154 Cms / 50 Kgs / Smoker

## FVC TEST

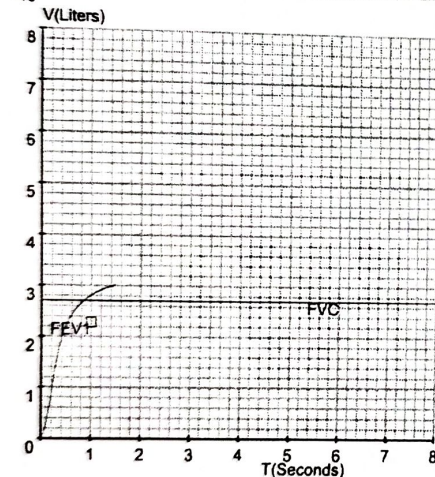
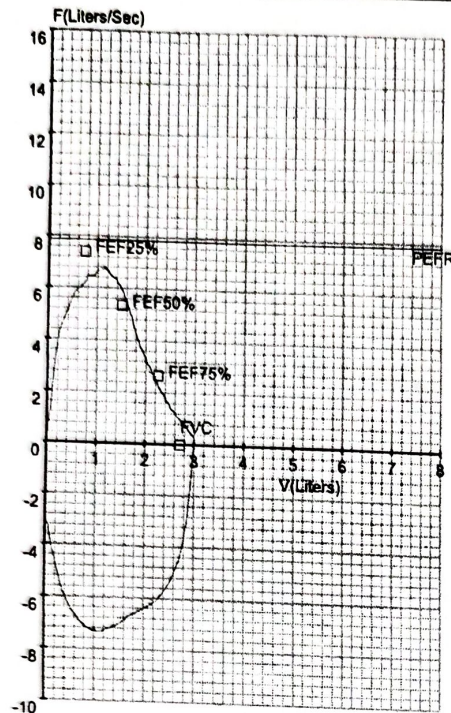
Date: 09-08-2024 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



### - Pre Medication Report :

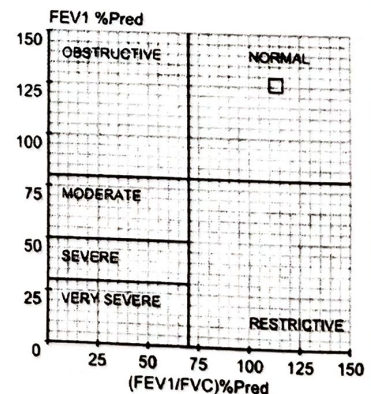
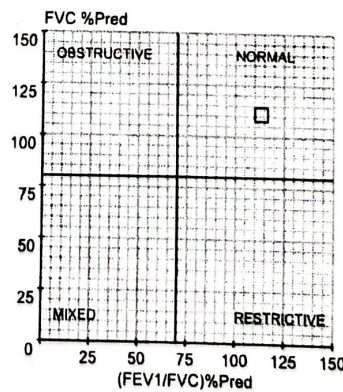
Spirometry within Normal range as FVC%  $\geq$  80 And FEV1/FVC%  $>$  70

### - Pre COPD Severity Report:

COPD Severity within Normal range

### - Doctor's Comments :

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L] 2.71	3.00	111	--	--	--
FEV1	[L] 2.27	2.86	126	--	--	--
FEV.5	[L] --	2.37	--	--	--	--
FEV3	[L] 2.62	--	--	--	--	--
FEV6	[L] --	--	--	--	--	--
PEFR	[L/s] 7.85	6.78	86	--	--	--
FEF25-75	[L/s] 3.82	5.33	140	--	--	--
FEF75-85	[L/s] --	1.85	--	--	--	--
FEF.2-1.2	[L/s] 6.35	5.75	91	--	--	--
FEF25%	[L/s] 7.40	7.20	97	--	--	--
FEF50%	[L/s] 5.32	6.71	126	--	--	--
FEF75%	[L/s] 2.66	2.37	89	--	--	--
FEV.5/FVC	[%] --	78.96	--	--	--	--
FEV1/FVC	[%] 84.04	95.32	113	--	--	--
FEV3/FVC	[%] 97.00	--	--	--	--	--
FEV6/FVC	[%] --	--	--	--	--	--
FEV1/FEV6	[%] --	--	--	--	--	--
FET	[S] --	1.38	--	--	--	--
ExpiTime	[S] --	0.23	--	--	--	--
LungAge	[Y] 36.00	27.00	75	--	--	--
FIVC	[L] --	3.24	--	--	--	--
PIFR	[L/s] --	7.37	--	--	--	--
FIF25%	[L/s] --	7.26	--	--	--	--
FIF50%	[L/s] --	6.95	--	--	--	--
FIF75%	[L/s] --	2.51	--	--	--	--
FIV.5	[L] --	2.26	--	--	--	--
FIV1	[L] --	3.24	--	--	--	--
FIV3	[L] --	--	--	--	--	--
FIV.5/FIVC	[%] --	69.84	--	--	--	--
FIV1/FIVC	[%] --	100.00	--	--	--	--
FIV3/FIVC	[%] --	--	--	--	--	--





**DALMIA CEMENT (BHARAT) LTD, MEGHALAYA****Medical Laboratory Report, OHC**Name: *Kumar Bhandari*Report Date: *09/08/24*Age: *36*Sample collection Date: *09/08/24*Gender: *m*Lab Report No: *6*

Sl. No.	Test Name	Results	Unit	Normal Range
	Blood			
1	Blood glucose (Random)	<i>114</i> ✓	mg/dL	< 140
2	AFB Staining	Seen/Not seen		

:End of Report:





# OHC DALMIA CEMENT (BHARAT) LTD

OHC DALMIA CEMENT (BHARAT) LTD

Umsoo Mootang, Thangskai (VIII), East Jaintia Hills District, Meghalaya-793210

054 - DEEPRAJ ROY

22 Years / Male / Ht 157 Cms / 61 Kgs / Smoker

## FVC TEST

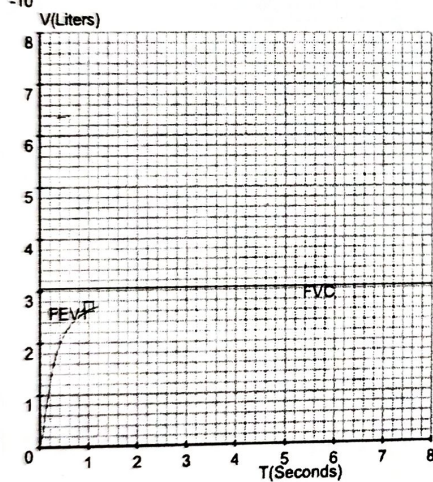
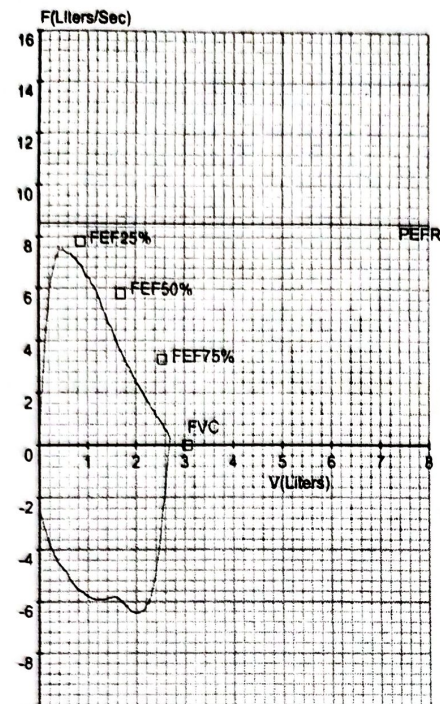
Date: 10-08-2024 (T1)

Pred Eqn : CLARITY

Eth.Corr : 100

Temp : 0°C

Ref By : NONE



### - Pre Medication Report :

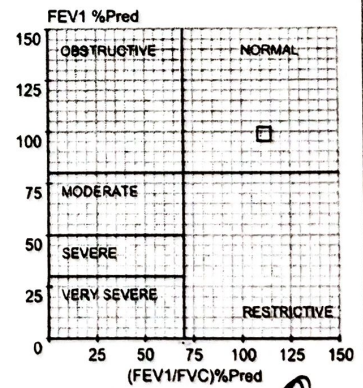
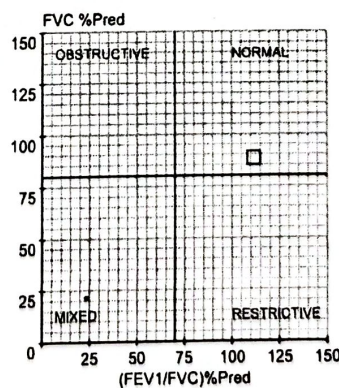
Spirometry within Normal range as FVC%  $\geq 80$  And FEV1/FVC%  $> 70$

### - Pre COPD Severity Report:

COPD Severity within Normal range

### - Doctor's Comments :

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.05	2.70	88	--	--
FEV1	[L]	2.69	2.65	99	--	--
FEV.5	[L]	--	2.21	--	--	--
FEV3	[L]	2.96	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	8.56	7.51	88	--	--
FEF25-75	[L/s]	4.50	5.08	113	--	--
FEF75-85	[L/s]	--	2.00	--	--	--
FEF.2-1.2	[L/s]	7.45	6.62	89	--	--
FEF25%	[L/s]	7.79	8.23	106	--	--
FEF50%	[L/s]	5.82	5.82	100	--	--
FEF75%	[L/s]	3.28	2.39	73	--	--
FEV.5/FVC	[%]	--	81.72	--	--	--
FEV1/FVC	[%]	88.07	98.26	112	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	1.17	--	--	--
ExpTime	[S]	--	0.07	--	--	--
LungAge	[Y]	22.00	22.00	100	--	--
FIVC	[L]	--	2.88	--	--	--
PIFR	[L/s]	--	6.49	--	--	--
FIF25%	[L/s]	--	8.42	--	--	--
FIF50%	[L/s]	--	5.93	--	--	--
FIF75%	[L/s]	--	2.61	--	--	--
FIV.5	[L]	--	1.80	--	--	--
FIV1	[L]	--	--	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	62.34	--	--	--
FIV1/FIVC	[%]	--	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--



*[Signature]*  
PHYSICIAN



## DALMIA CEMENT (BHARAT) LTD, MEGHALAYA

## Medical Laboratory Report, OHC

Name : Deepraj Roy  
Age : 22Y  
Gender : M

Report Date : 10/8/24

Sample collection Date : 10/8/24

Lab Report No : 10

Sl. No.	Test Name	Results	Unit	Normal Range
	Blood			
1	Blood glucose (Random)	105	mg/dL	< 140
2	AFB Staining	Seen/Not seen		

:End of Report:

  
13/08/24



Annua - (X)

Row Labels	Sum of Amount
Enviroment Monitoring	888498
NOC Cement Plant	79515
Pollution Control	1279046
Rates & Taxes	649927
<b>Grand Total</b>	<b>2896986</b>