

DCBL/ENV/25-26/01

29<sup>th</sup> 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 F. No. J-11015/366/2009-IA.II (M) dated 2<sup>nd</sup> Jan, 2014 for mining lease **(128.52 ha Limestone mining lease and 19.33 ha outside dump) Block – V** of M/s Dalmia Cement (Bharat) Limited (Formerly Adhunik Cement Limited) at Vill- Thangskai, P.O. Lumshnong, Dist – East Jaintia Hills, Meghalaya-793200.

**Ref:** - Environment Clearance letter no. **F. No. J-11015/366/2009-IA.II (M) dated 2<sup>nd</sup> Jan, 2014**

Dear Sir,

With reference to above subject and referred letter no, we are submitting herewith half yearly compliance for mining lease **(128.52 ha Limestone mining lease and 19.33 ha outside dump) Block – V** of M/s Dalmia Cement (Bharat) Limited (Formerly Adhunik Cement Limited) 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

**For - Dalmia Cement (Bharat) Ltd.**



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, and 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)

## LIMESTONE MINE (BLOCK-V)

128.52 ha Mining lease and 19.33 ha outside dump, Production of 2.0 MTPA

*of*

**M/S. DALMIA CEMENT (BHARAT) LIMITED**

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

### COMPLIANCE STATUS

**Environment Clearance Letter No: - F. No. J-11015/366/2009-IA. II (M) dated: 2<sup>nd</sup> January 2014.**

**Period of Compliance: October 2024 to March 2025.**

SL No.	Conditions	Compliance Status
<b>A</b>	<b>Specific Conditions</b>	
(i)	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.	As per ESZ notification vide Gazette notification SO:2942 dated 6 <sup>th</sup> September 2017 our mines is located outside the ESZ boundary.
(ii)	The project proponent shall obtain Consent to Establish and Consent to Operate from the concerned State Pollution Control Board and effectively implement all the conditions stipulated therein.	Obtained CTE & CTO vide letter No. MPCB/CON -36-2014/2016-2017 / 11 dated 1 <sup>st</sup> June 2016 and vide letter No. MPCB/CON -35 -2014 /2016-2017/14 dated 15 <sup>th</sup> March 2017 and CTO is renewing time to time.
(iii)	A bund of about 5 meters height is to be made along the mining lease boundary on the village side with good width of green belt between the village and the mining area.	<p>There does not exist any village in the immediate vicinity of the mining lease boundary. Hence creation of bund is not applicable. However, as per the applicable regulations, a safety barrier of about 7.5 meters has been left all around the ML boundary and plantation has been taken up in phased manner as per the approved mining plan. We request you to kindly exempt us from making Five-meter height bund.</p> <p>There already exist natural vegetation along the lease boundary. However, gap plantation has been done. Green belt along the mining lease boundary is implemented.</p>
(iv)	Mining will not be done all sides of the village at any one time and will be sequential manner as per the Mining Plan approved by the IBM.	There does not exist any village in the immediate vicinity of the mining lease boundary. However, mining will be done as per approved mining plan.

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(v)	<p>During mining, pollution mitigation measures will be taken up to ensure that the impact on the village and the surrounding area will not occur. Small blasts will be conducted to reduce ground vibrations and noise.</p> <p>Blasted material heaps will be thoroughly wetted before loading to avoid fugitive dust during loading.</p>	<p>There does not exist any village in the immediate vicinity of the mining lease boundary however mitigative measures has been taken up and is in practice to mitigate pollution. Latest technology is used in blasting to reduce ground vibration and noise.</p>
(vi)	<p>Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Main haul road in the mine will be provided with permanent water sprinklers and other roads will be wetted with water tanker fitted with sprinklers. Crusher and material transfer points will be provided with Bag filters and conveyor will be fully covered to avoid air borne dust.</p>	<p>Regular water sprinkling is carried out to reduce air pollution. A Water tanker fitted with sprinklers is deployed for water sprinkling in all area.</p> <p>Existing Crusher have been provided with bag filter and material is conveyed through fully covered conveyor belt.</p> <p>Permanent water sprinklers is installed in the mines main haul road. A 12 KL water tanker is also in use to sprinkle water on haulage road to suppress fugitive dust</p>
(vii)	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Shillong, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.</p>	<p>Piezometer is installed. However, there is no perfect water table in this area, only erratic water channels are observed. Hence mining will not intersect ground water table. There are no wells in and around the mine lease.</p> <p>We are not utilising any Groundwater for the operation of Mines nor there is any ground water seepage during operation of the mine because of the terrain as mine is located in Hilly area of Meghalaya.</p> <p>We have visited Central Ground Water Board, North East Regional Office, Guwahati and discussed the matter. We have also submitted one request letter on dated 28-3-2019, dated 4-8-2021 &amp; 2-8-2022 to provide us with necessary recommendation for augmentation of ground water resources in our mining area. Further, we also visited their office in person dated 4-10-2022 and 30-5-23 and approach Regional Director, CGWB. The reply is awaited.</p> <p>Hydrological Feasibility study is conducted</p>

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		through Department of Geological Science, Guwahati University, copy of the same is also submitted to your good office with last Six Monthly compliance status report i.e. (October 2023 to March 2024). As per the study it is found that ground water level of our mining area is below 171 m and our mining bottom most dept will be 165 m. therefore we will not intercept the ground water. Also requesting you to wave - off the stipulated conditions
(viii)	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	<p>Working pit has been provided with bund and run-off due to rain flows into the pit and seeps down through bottom most bench without much accumulation as rocks is highly fractured. The accumulated silt is blended with limestone and used in cement manufacturing. This helps in arresting silt inside pit as a siltation pond and works effectively. There is no outside discharge.</p> <p>We have also submitted one request letter to Regional Director, Central Ground Water Board to provide us with necessary recommendation for augmentation of ground water resources in our mining area. We have also visited Central Ground Water Board, North East Regional Office, Guwahati on last 30<sup>th</sup> May 2023 and discussed the matter. Reply is awaited from Central Ground Water Board.</p>
(ix)	Appropriate mitigative measures shall be taken to prevent pollution of the water stream and adjoining water bodies in consultation with the State Pollution Control Board.	There is no adjoining water bodies and water stream. Further, there is no outside discharge from the mines. However, to comply the stipulated condition, we have submitted request letter to Meghalaya State Pollution Control Board for providing us necessary recommendation to avoid pollution to water stream or water bodies adjoining our mining lease area. Accordingly, Meghalaya State Pollution Control Board suggested us to follow as per the Environmental Management Plan (EMP) during project operation, accordingly we are following the same.
(x)	Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Shillong on six monthly basis.	We are submitting compliance status report in every six month.
(xi)	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and waste water generated during the mining operation.	STP & ETP are operational in colony and workshop respectively. Please find attach latest performance test report of both STP & ETP as <b>Annexure – I &amp; II</b> respectively.

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(xii)	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Shillong.	DGPS survey is completed. Drone survey also is completed and report received. Report of the DGPS survey and Drone Survey is also submitted to your good office vide letter dated 11-7-2023.
(xiii)	Regular monitoring of ambient air quality shall be carried out and records maintained.	Regular monitoring of ambient air quality is conducting. Please find attach last six months ambient air quality monitoring report as <b>Annexure – III.</b>
(xiv)	Pre - placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Complying. Please find attach some report as <b>Annexure – IV.</b>
(Xv)	Implementation of Action plan on issues raised during Public Hearing.	Complied
<b>A</b>	<b>General Conditions</b>	
(i)	The project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations. Adequate measures shall be taken for protection of the 1 <sup>st</sup> order and 2 <sup>nd</sup> order streams, if any emanating/ passing through the mine lease during the course of mining operation.	There is no water course / streams of 1 <sup>st</sup> & 2 <sup>nd</sup> Order emanating /passing through the lease.
(ii)	The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept un - utilized for long. The topsoil shall be used for land reclamation and plantation.	Top soil generated is almost negligible in quantity however generated quantity is used for development of green belt.
(iii)	The over burden (OB) generated during the mining operation shall be stacked at earmarked dump site(s). Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Shillong on six monthly basis.	Over burden generated is stacked in earmarked area. Total cumulative area covered 17.213 Ha so far with a volume of 38,18,505.15 m <sup>3</sup> . We have initiated the process to do the plantation also.
(iv)	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, temporary OB and mineral dumps to arrest flow of silt and	Present mining operation does not intersect any water channel. However, bund has been erected along the working pit to use the same

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	<p>sediment directly into the adjoining river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted particularly after the monsoon and maintained properly.</p>	<p>as siltation pond and accumulated silt is blended with Run of Mine. Highly fractured rock allows water to percolate down.</p> <p>Garage is provided with ETP and treated water is reused. No outside discharge. Working pit has been provided with bund and run-off due to rain flows into the pit and seeps down though bottom most bench without much accumulation as rocks is highly fractured. The accumulated silt is blended with limestone and used in cement manufacturing. This helps in arresting silt inside pit as a siltation pond and works effectively. Latest performance report of ETP is enclosed as <b>Annexure – II</b>.</p>
(v)	<p>Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and temporary over burden dumps to prevent run off of water and flow of sediments directly into the adjoining river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Present mining operation does not intersect any water channel. However, bund has been erected along the working pit to use the same as siltation pond and accumulated silt is blended with Run of Mine. Highly fractured rock allows water to percolate down.</p> <p>An action plan have been prepared and Approved by PWD department and PCCF, Shillong, Meghalaya. Same is followed and is in force.</p>
(vi)	<p>Dimension of the retaining wall at the toe of the temporary OB dumps and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.</p>	<p>Overburden dump is active and is at initial stage. However, we have initiated the process of runoff management and bio diversity.</p>
(vii)	<p>Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, back filled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p>	<p>Natural vegetation is there in 7.5 meter safety zone.</p> <p>However, Green belt development is doing in phased manner by planting the native species in consultation with the local DFO as an where required.</p> <p>An action plan have been prepared and Approved by PWD department and PCCF, Shillong, Meghalaya. Same is under implementation as per approved plan.</p>



(viii)	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Water sprinkling is done to reduce air pollution. Water tanker fitted with sprinklers is continuously deployed on the haul roads to suppress the dust. Existing Crusher have been provided with bag filter and material is transferred with fully covered conveyor belt.  Latest Monitoring report Ambient Air Quality and monitoring report of all 12 parameter is enclosed as <b>Annexure – V</b> .
(ix)	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	Well equipped workshop is maintained for the regular maintenance of HEMM.  Loaded trucks for mineral transporting doesn't pass through any public place or habitation. It is a captive mines and premises falls within the ownership of mine owner.
(X)	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting is done by using latest technology like NONEL and slurry explosive in conjunction with ANFO, which controls the ground vibration and minimize the flying fragments. Almost every blast is monitored by using MINIMATE.
(xi)	Drills shall either be operated with dust extractors or equipped with water injection system.	Complied.
(xii)	Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Complied.
(xiii)	Provision shall be made for the housing of construction labor 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.
(xiv)	The critical parameters such as SPM, RSPM (Particulate matter with size less than 10 micron i.e., PM <sub>10</sub> ), NO <sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or	Regular Ambient Air quality monitoring & Water Quality Analysis is carried out. Latest monitoring report for Air and water is enclosed in <b>Annexure - III &amp; Annexure - VI</b>



	<p>within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.</p>	<p>respectively.</p> <p>Monitoring data is displayed at mining lease main gate.</p>
(xv)	<p>Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment &amp; Forests 5 years in advance of final mine closure for approval.</p>	<p>Noted for Compliance.</p>
(xvi)	<p>No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment &amp; Forests.</p>	<p>Noted for Compliance.</p>
(xvii)	<p>No change in the calendar plan including excavation, quantum of mineral and waste should be made.</p>	<p>Noted for Compliance.</p>
(xviii)	<p>Conservation measures for protection of flora and fauna in the core &amp; buffer zone should be drawn up in consultation with the local forest and wildlife department and effectively implemented.</p>	<p>A biodiversity plan for conservation and protection of flora and fauna in the core and buffer zone had been prepared and approved by Chief Wildlife Warden. A sum of about Rs. 58.098 lakh have been proposed for conservation of bio-diversity and schedule-I species and is in process of implementation as per the plan suggested therein.</p> <p>We have taken up the matter with State forest department. A letter dated, 20<sup>th</sup> December 2022 has been received from Principle Chief Conservator of Forest (Bio-Diversity &amp; Wildlife) &amp; Chief Wildlife warden to await some time till ready of Reginal Conservation Plan. Copy of the Said letter is enclosed as <b>Annexure – VII.</b></p>
(xix)	<p>Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub> &amp; NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and</p>	<p>Complied.</p>

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	environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	
(xx)	Data on ambient air quality (RSPM, SPM, SO <sub>2</sub> & NO <sub>x</sub> ) should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Shillong and the State Pollution Control Board / Central Pollution Control Board once in six months.	Complied
(xxi)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Adequate number of dust extraction systems is installed in all Conveyor lines to minimize fugitive emissions. Regular water sprinkling is also carried out to reduce air pollution. Water tanker fitted with sprinklers is continuously deployed over the haul roads for the purpose.  Latest Fugitive emission monitoring report is enclosed in <b>Annexure - VIII.</b>
(xxii)	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs.	Complied
(xxiii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Complied. There is no outside discharge from the mines. Workshop has been provided with ETP for treating the industrial water and same is reused. There is no outside discharge from work shop.
(xxiv)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	PPE is provided to all workers, In addition adequate training are imported to workmen on safety and health aspect.
(xxv)	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Occupational health surveillance program undertaken for workers on regular basis. The program includes Lung function test and sputum analysis, etc.
(xxvi)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Complied

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(xxvii)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Shillong.	Complied
(xxviii)	The project authorities should inform to the Regional Office located at Shillong regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Mining activities started after 06/09/2017 and are in initial stage of development.
(xxix)	The Regional Office of this Ministry located at Shillong 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.	Agree.
(xxx)	The project proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Shillong, the respective Zonal Office of CPCB and the SPCB. The proponent shall upload the status of compliance of the EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Shillong, the respective Zonal Office of CPCB and the SPCB.	Six monthly report on the status of compliance of EC is submitted both in Hard Copy as well as by E-Mail. Further we upload the status of compliance on our website.
(xxxi)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied
(xxxii)	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry	Not applicable.

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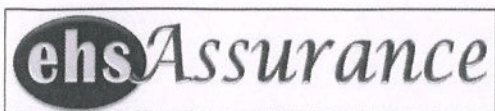


	Centre and the Collector's office/ Tehsildar's Office for 30 days.	
(xxxiii)	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Shillong by e-mail.	Environmental Statement for FY ending 31 <sup>st</sup> March 2025 will be submit before stipulated time.
	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Shillong.	Complied  Published in Mawphor, Shillong (local lang.) and The Shillong Times (English) dated. 14 <sup>th</sup> Jan 2014. the copy of the same also submitted to your office.



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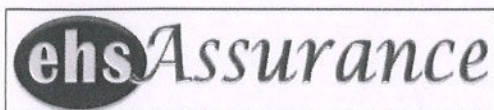
Email: [compliance@ehsassurance.in](mailto:compliance@ehsassurance.in), Visit us: [www.ehsassurance.in](http://www.ehsassurance.in)**Name of the Industry:** Dalmia Cement (Bharat) Limited**Date:** 22.03.2025**Date of Sample Collection:** 17.03.25**Source :** STP Outlet**Report No.:** DCBL/STP - WT/24-25/05.**WATER QUALITY ANALYSIS**

S. No.	Parameter	Standards	Results
1	Suspended Solids (mg/1) max	100	37
2	pH value	5.5-9.0	7.0
3	Temperature	Shall not exceed 5°C above the receiving water temperature	4
4	Oil & grease	10	7
5	Total Residual Chlorine mg/1 max	1	0.1
6	Ammonical Nitrogen (asN) mg/1 max	50	22
7	Total kjeldahl Nitrogen (asN) mg/1 max	100	22
8	Free Ammonia (asNH <sub>3</sub> ) mg/ 1 max	5	2.2
9	Biochemical Oxygen Demand (3 days at 27°C) mg/1 max	30	17
10	Chemical Oxygen Demand, mg/l	250	52

**Remarks:** The parameter monitored was found within the permissible limits.
  
**For EHS Assurance Consultancy Services**
**Disclaimer:**

1. The test results are relate only to the samples collected at prevailing environmental condition at the time of sampling. Any change in prevailing environmental condition, change in manufacturing operation, change in functionality of plant utilities etc. can lead to change in the nature of samples. Therefore the company doesn't guarantee consistency of the results and accept no liability to any difference in the reported results if tested by self or any third party laboratory. Total liability related to this report is limited to the invoice amount.
2. This test reports shall not be reproduced wholly or in part without our prior written consent.
3. The test items will not be retained for more than 7 days from the date of issue of the test reports unless specified otherwise.
4. This certificate shall not be used in any advertising media or as evidence in the court of law without our prior written consent.



**EHS Assurance Consultancy Services**

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**Name of the Industry:** Dalmia Cement (Bharat) Limited

**Date:** 26.03.2025

**Date of Sample Collection:** 18.03.25

**Source :** ETP Outlet

**Report No.:** DCBL/ETP - WT/24-25/03.

**WATER QUALITY ANALYSIS**

S. No.	Parameter	Standards	Results
1	Suspended Solids (mg/1) max	100	24
2	pH value	5.5-9.0	6.2
3	Temperature	Shall not exceed 5°C above the receiving water temperature	4
4	Oil & grease	10	5
5	Total Residual Chlorine mg/1 max	1	1
6	Ammonical Nitrogen (asN) mg/1 max	50	34
7	Total kjeldahl Nitrogen (asN) mg/1 max	100	55
8	Free Ammonia (asNH <sub>3</sub> ) mg/ 1 max	5	2
9	Biochemical Oxygen Demand (3 days at 27°C) mg/1 max	30	11
10	Chemical Oxygen Demand, mg/l	250	111

**Remarks:** The parameter monitored was found within the permissible limits.

*[Signature]*  
**For EHS Assurance Consultancy Services**

**Disclaimer:**

1. The test results are relate only to the samples collected at prevailing environmental condition at the time of sampling. Any change in prevailing environmental condition, change in manufacturing operation, change in functionality of plant utilities etc. can lead to change in the nature of samples. Therefore the company doesn't guarantee consistency of the results and accept no liability to any difference in the reported results if tested by self or any third party laboratory. Total liability related to this report is limited to the invoice amount.
2. This test reports shall not be reproduced wholly or in part without our prior written consent.
3. The test items will not be retained for more than 7 days from the date of issue of the test reports unless specified otherwise.
4. This certificate shall not be used in any advertising media or as evidence in the court of law without our prior written consent.



### Annexure III

Dalmia Cement Bharat Ltd.  
Ambient Air Quality Monitoring Report  
Limestone Mines Block - V  
Month: October 2024 – March 2025

Location →	Near Mines office				Near Drilling Point				Near Rock Breaking Point				Near Loading Point				Near Mines View Point			
Parameters →	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>
Month																				
October – 24	62.0	21.4	8.0	2.6	66.0	20.8	8.2	7.3	60.4	26.2	8.0	7.0	62.6	23.5	8.0	2.4	62.2	21.8	7.4	8.0
November – 24	62.4	21.7	8.2	2.0	62.4	20.5	8.0	7.1	60.2	26.8	8.2	7.3	62.0	23.7	7.3	2.5	64.2	21.7	7.3	8.2
December – 24	62.0	21.4	8.0	2.5	61.5	20.4	8.2	7.3	62.2	26.2	8.0	7.4	61.5	23.5	7.0	2.6	62.4	21.8	7.4	8.4
January – 25	62.2	21.7	8.2	2.6	61.0	20.2	8.4	7.4	62.0	26.1	8.2	7.5	66.2	23.2	7.0	2.5	62.2	21.7	7.3	8.2
February – 25	62.2	21.2	8.0	2.5	61.1	26.2	8.2	7.3	62.2	26.2	8.0	7.3	64.2	23.1	7.3	2.2	62.0	21.5	7.4	8.2
March - 25	62.4	21.1	8.2	2.1	61.4	20.1	8.0	7.4	62.0	26.4	8.2	7.1	64.4	23.5	7.0	2.1	62.2	21.7	7.3	8.0



# ANNEXURE -IV

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 Biam	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

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**Name of the Industry:** Dalmia Cement (Bharat) Limited

**Date:** 28.03.2025

**Monitoring Location:** Limestone Mines Block - V

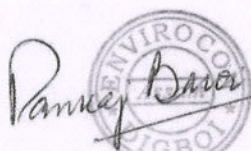
**Date of Monitoring:** 23.03.25 to 24.03.25

**Report No.:** DCBL/B- V/24-25/03

**AMBIENT AIR QUALITY SURVEY REPORT**

Pollutants	Locations & Analysis Results					Permissible Limits (in $\mu\text{g}/\text{m}^3$ )
	Near Mines Office	Near Drilling Point	Near Rock Breaking Point	Near Loading Point	Near Mines View Point	
Particulate Matter size less than $10\ \mu$ (PM 10)	62.8	66.2	60.2	62.2	60.6	100*
Particulate Matter size less than $2.5\ \mu$ (PM 2.5)	22.4	21.7	21.4	20.8	22.6	60*
Sulfur dioxide (SO <sub>2</sub> )	7.0	8.0	7.3	7.5	7.3	80*
Oxides of Nitrogen (NO <sub>x</sub> )	8.3	8.2	7.4	8.4	8.2	80*
Carbon Monoxide (CO)	ND	ND	ND	ND	0.1	4**
Ammonia (NH <sub>3</sub> )	ND	ND	ND	ND	ND	400
Ozone (O <sub>3</sub> )	ND	ND	ND	ND	ND	180
Lead (Pb)	ND	ND	ND	ND	ND	1.0
Benzene (C <sub>6</sub> H <sub>6</sub> )	ND	ND	ND	ND	ND	5
Benzo (a) Pyrene (BaP)	ND	ND	ND	ND	ND	01
Arsenic (As)	ND	ND	ND	ND	ND	06
Nickel (Ni)	ND	ND	ND	ND	ND	20

**Remarks:** The parameters analyzed were found to be within the permissible limits of Ambient Air Quality Standards (National) for Industrial, Residential, Rural and Other Areas as per National Ambient Air Quality Standards, Notification dated 18<sup>th</sup> November 2009.



Pankaj Baroi, For ENVIROCON



Annexure - VI

WATER QUALITY ANALYSIS

Parameters	Unit	Locations & Analysis Results		Standard for Inland Surface Water*
		Nearby Stream Water (upstream)	Nearby Stream Water (downstream)	
Temperature	°C	4.8	4.7	Shall not exceed the 5 °C above the receiving water temperature
pH Value		7.0	7.0	5.5-9.0
Suspended Solid	mg/l	44.4	44.0	100
Total Hardness (as CaCO <sub>3</sub> ), mg/l	mg/l	116	118	300 [IS:100500, Desirable] 600 [IS:100500, Permissible]
Oil & Grease	mg/l	Nil	Nil	10
Total Residual Chlorine	mg/l	Nil	Nil	1.0
Ammonical Nitrogen (as N)	mg/l	12	12	50
Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	44	41	100
Free Ammonia (as NH <sub>3</sub> )	mg/l	1.2	1.2	5.0
BOD	mg/l	2.1	2.2	30
COD	mg/l	25.5	25.3	250

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**GOVERNMENT OF MEGHALAYA  
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS,  
(BIODIVERSITY & WILDLIFE) & CHIEF WILDLIFE WARDEN,  
MEGHALAYA, SHILLONG.**

No FWC/CLEARANCE/15/3677

Dated Shillong, the 20<sup>th</sup> December, 2022

To,

✓ The Dalmia Cement (Bharat) Limited,  
Umsoo Mootang, Vill-Thangskai, P.O Lumshnong,  
East Jaintia Hills, District.

**Sub:** Deposit of fund for Implementation of Biodiversity Conservation Plan approved by the Chief Wildlife Warden, Forest Department of Meghalaya, to comply the condition of Environment Clearance.

**Ref:** No. Nil, dt 24.11.2022.

Sir,

With reference to your letter and subject cited above, I am to inform you that a Regional Conservation Plan to minimise and mitigate impacts of Developmental Projects on wild animals and their habitats in East Jaintia Hills District is being prepared by the Department. Hence you are requested to await for the completion of the said Regional Conservation Plan which is under process.

This is for your information and necessary action.

Yours faithfully,



(F. S. Wann, MFS),  
Deputy Conservator of Forests,  
Wildlife, Meghalaya, Shillong

Memo No FWC/CLEARANCE/15

Dated Shillong, the \_\_ December, 2022

Copy to: -

The Divisional Forest Officer, Jaintia Hills Wildlife Division, Jowai for information and necessary action.

Deputy Conservator of Forests,  
Wildlife, Meghalaya, Shillong



## Annexure – VIII

Dalmia Cement Bharat Ltd. Fugitive Monitoring Report Limestone Mines Block - V Month: October 2024 – March 2025				
Location →	Near Mines Office ( $\mu\text{g}/\text{m}^3$ )	Near Rock Breaking Point ( $\mu\text{g}/\text{m}^3$ )	Near Loading Point ( $\mu\text{g}/\text{m}^3$ )	Inside Hyva ( $\mu\text{g}/\text{m}^3$ )
Month				
October – 24	237	214	230	227
November – 24	235	217	235	221
December – 24	230	214	232	228
January – 25	237	212	230	222
February – 25	231	215	232	221
March - 25	235	222	235	228

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