

DCBL/ENV/2022-23/02

1<sup>st</sup> December 2022

To,

✓ **Additional Principal Chief Conservator of Forest**  
**Government of India**  
**Ministry of Environment, Forests & Climate Change**  
**North Eastern Regional Office, Law – U –Sib, Lumbatngen**  
**Shillong – 793021, Meghalaya.**

**Subject:** Half Yearly compliance report for the period **April 2022 to September 2022** 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 2022 to September 2022.

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, Lower Motinagar, Shillong -793 014, Meghalaya.

## 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 2022 to September 2022**

	Conditions	Compliance Status
<b>A</b>	<b><u>Specific Conditions</u></b>	
(i)	<p>Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided &amp; 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 &amp; 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 &amp; captive Power Plant shall exceed 50 mg/Nm<sup>3</sup> &amp; 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.</p>	<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 as well as captive Power Plant are within the prescribed limits i.e. within 30 mg/Nm<sup>3</sup> &amp; 50 mg/Nm<sup>3</sup> respectively. Efforts are being made to meet the emission standards as notified by latest Gazette Notification. Latest Stack Emission Monitoring Report enclosed in <b>Annexure - I</b>.</li> <li>• Interlocking facilities are provided.</li> </ul>
(ii)	<p>Secondary fugitive emissions shall be controlled within the prescribed limits &amp; regularly monitored. Guidelines/ Code of Practice issued by CPCB / MSPCB in this regard shall be followed.</p>	<p>Secondary fugitive emissions from all sources are controlled within the permissible limits issued by the Ministry and other monitored regularly. Dedicated one nos water tanker is deployed for water sprinkling in all the haul road, in transportation area, coal storage area and other vulnerable areas of the plant to control fugitive emission. Permanent water sprinkler is also installing to supress fugitive dust emission. Latest Fugitive Emission Monitoring Report enclosed in</p>

		<b>Annexure - II.</b>
(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	<ul style="list-style-type: none"> <li>• The plantation has been undertaken in phased manner. The Plantation is done with the consultation of DFO (T), Jowai. . We are planting</li> </ul>

	consultation with the local DFO	sapling in and around plant area, colony & mines area. A dedicated team is deployed for doing the plantation and maintain. Around 1,50,000 sapling is done so far in different area. Out of which sapling of 25,000 in 1 hrs (in Areka Mawaki process) is done in front of CCR is one of the record for us.
(xi)	All the recommendations of the Corporate Responsibility for Environment Protection (CREP) shall be strictly followed.	<b>Complied</b> <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>General Conditions</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 submitted 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 -III &amp; I</b> respectively.</li> </ul>
(iv)	Industrial waste water shall be properly collected and treated so as to conform 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 maintained 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 - IV.</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 and records maintained. The programme must include Lung function and sputum analysis tests once in six months.	<ul style="list-style-type: none"> <li>We maintained good housekeeping in all areas of plant.</li> <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 - V.</b></li> </ul>
(vii)	The company shall harvest the rainwater from the rooftops and storm water drains to recharge the ground water.	Complied. We harvest Rain water & Storm water through check dam. Further under CSR activity, the roof top structure for rain water harvesting has been constructed in surrounding villages also.
(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> <ol style="list-style-type: none"> <li>1. Construction of footbridge cum culvert</li> <li>2. Promotion of fuel efficient cook stoves and solar study lamps.</li> <li>3. Medical camps, construction of schools toilets and awareness camps</li> <li>4. Awareness generation campaign. Livelihood and Skill Training. etc.</li> </ol> <p>Some of CSR initiative taken by Dalmia Cement is enclosed as <b>Annexure - VI.</b></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	A separate Environment Management Cell has been established with qualified person to carry out various environment functions under the chairmanship of

	monitoring functions shall be set up under the control of Senior Executive.	Unit Head.
(xi)	As proposed in the EIA/EMP, Project authorities shall provide Rs. 40.00 Cores 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, 2022 to September 2022 is enclosed as <b>Annexure - VII</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 data 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 CAPTIVE POWER PLANT(CPP) : February 2010</p>
(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	<p>Complied</p> <p>Public notice had been published &amp; cutting of the local newspaper already submitted to the office (ref. letter dated 01/02/2008).</p>

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.	
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Thanking you,  
Yours faithfully  
M/s, Dalmia Cement (Bharat) Limited



Authorized Signatory