



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

EMAIL & SPEED POST

CP-14/53/2024-IPC-II-HO-CPCB-HO

January 15, 2025

To,

M/s Meghalaya Power Ltd. (Star Cement Meghalaya Ltd.),
Village Lumshnong, East Jaintia Hills,
Meghalaya -793210

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Meghalaya Power Ltd. (Star Cement Meghalaya Ltd.) Lumshnong, Meghalaya - reg.

WHEREAS, Thermal Power Plants are identified as one of the 17 categories of highly polluting industries in the country and have been discharging environmental pollutants directly or indirectly into ambient air and water, having potential threat to cause adverse effect on air and water quality; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed thereunder; and

WHEREAS, there is need to promote self-regulation and self-promotion within the industries for complying with the prescribed standards and this can be achieved by the methods like installing online effluent and emission monitoring devices; and

WHEREAS, a direction under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs) / Pollution Control Committees (PCCs) for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) w.r.t. PM, SO₂, NO_x, pH, TSS, BOD, COD, Flow parameters in 17 categories of highly polluting industries including Thermal Power Plants; and

WHEREAS, M/s Meghalaya Power Ltd. (Star Cement Meghalaya Ltd.), Lumshnong, East Jaintia Hills, Meghalaya, has been inspected by a team of CPCB RD, Shillong, on 04.07.2024 under the environmental surveillance of 17 categories of high pollution potential industries and common facilities based on OCEMS data, in order to verify the environmental compliance and the status of OCEMS. The salient observations based on the inspection carried out by CPCB inspecting team are as below:

1. M/s Meghalaya Power Ltd. is a captive power plant consisting of two sub-units of 8 MW (one boiler : 40TPH) and 43 MW (two boilers : 90 TPH each), respectively. The captive power plant is situated within the premises of M/s Star Cement Limited and supplies electricity to the cement plant. On the day of inspection, only one boiler of 43 MW Unit was operational.

Waz

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2. The Consent to Operate for the sub-Unit with capacity 43 MW is valid till 31.07.2024, whereas, CTO for the sub-Unit with capacity 8 MW is valid till 31.08.2025.
3. Due to breakdown of instruments by heavy rainfall during the time of the visit, stack monitoring could not be conducted. The Unit has provided the latest third-party monitoring report, conducted in December 2023, which indicates that the results are within the prescribed norms.
4. The Unit has installed CEMS in two stacks namely common stack attached to ESP of Boiler 1 & 2 of 43 MW Unit and stack attached ESP of Boiler of 8 MW Unit. Unit's representative informed that OCEMS data was not transferred to the CPCB server due to a reported card failure. The calibration of NO_x and SO₂ CEMS was conducted on 07.08.2023 by Forbes Marshall. The calibration of the PM CEMS was not performed on 07.08.2023.
5. Boiler blow-down is sent for treatment to the Sewage Treatment Plant (STP) located in the Unit's colony. Water samples were collected from two locations : Boiler blow-down water from the boiler #2 of 43 MW subunit and outlet line of the Activated Carbon Filter of STP. The boiler blow-down sample was analyzed for four parameters: Total Suspended Solids (TSS), Oil & Grease, Copper, and Iron. The STP outlet sample was analyzed for nine parameters: pH, Suspended Solids, Oil & Grease, BOD, COD, Ammonia Nitrogen, Iron, Copper, and TKN. The analysis results indicated that all four parameters for the boiler blow-down sample and all nine parameters for the STP outlet sample complied with the prescribed norms specified in CTO."
6. The major Hazardous Waste (HW) generated in the Unit are used oil and spent/used grease. As per Authorization, spent/used oil (8 KL/annum) shall either be utilized in kilns as AFR or sold to authorized vendors. However, according to the Environmental Statement for 2022-23, the spent oil was stored in covered drums and subsequently used in the boiler.
7. The Unit currently maintains hazardous waste (HW) generation records on a quarterly basis. However, as per Form-3, the records shall be maintained on a daily basis.
8. The fly ash generated is transported through covered conveyor-belt pipeline to the cement plant of the Unit and utilized in cement manufacturing. According to the industry representative, the bottom ash from the boiler is transported to nearby users. During the inspection, bottom ash was observed to be deposited in an open yard within the industry premises.

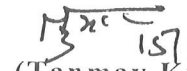
WHEREAS, Ministry of Environment & Forests, Government of India, vide Notifications No. S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof.



NOW, THEREFORE, in exercise of the powers vested under Section 5 of the Environment (Protection) Act, 1986, the following directions are hereby issued to M/s Meghalaya Power Ltd. (Star Cement Meghalaya Ltd.), Lumshnong, East Jaintia Hills, Meghalaya,:

1. The Unit shall ensure connectivity and regular transmission of OCEMS data to CPCB and MSPCB servers.
2. The Unit shall submit documentary evidence of calibration of the PM CEMS (attached to stack of Boilers of 43 MW and stack of Boilers of 8MW) with isokinetic sampling method, through a NABL/MoEF & CC recognized lab.
3. The Unit shall manage hazardous wastes i.e used oil and spent/used grease as per authorisation granted by the SPCB and following the SOP prepared by CPCB under Rule 9 of H&OW (M &TM) Rules, 2016, as applicable.
4. The Unit shall maintain daily record of HW generation as per Form-3 of H&OW (M &TM) Rules, 2016.
5. The bottom ash shall be regularly sent for utilization, and the temporary storage should be in environmentally safe manner so the ash is not inundated with water following a rainfall, as per the provisions of the Ash Notification 2021 and subsequent amendment.

M/s Meghalaya Power Ltd. (Star Cement Meghalaya Ltd.), Lumshnong, East Jaintia Hills, Meghalaya, shall ensure compliance of the above directions and submit compliance report within 30 days from the date of issue of the directions. In case of failure, the Board will be constrained to initiate action as deemed necessary and appropriate in the circumstances under the Environment (Protection) Act, 1986.


(Tanmay Kumar)
Chairman



Copy to :

1. The Chairman,
Meghalaya State Pollution Control Board
ARDEN-Lumpynggad, Shillong,
Meghalaya - 793014
2. The Joint Secretary (CP Division),
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3. The Regional Director,
Central Pollution Control Board,
Opp. Government Press, Ground Floor,
CTO Building, BSNL Shillong- 793001
4. The Deputy Commissioner
East Jaintia Hills District, Khliehriat
Meghalaya - 793200,
- ✓ 5. The Divisional Head - IT, CPCB
6. The Divisional Head – IPC VI, CPCB


(Bharat Kumar Sharma)
Member Secretary

