



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

IPC-II/TPP/CP-14/6/2023/ 1687

June 12, 2023

To,

The General Manager,
M/s Lakwa Thermal Power Station,
Assam Power Generation Corp. Limited (APGCL),
Mailbela, P.O. Suffry, Distt. Charaideo - 785 689, Assam

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Lakwa Thermal Power Station, Assam Power Gen. Corp. Ltd, Assam - 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, for strengthening the monitoring and compliance through self-regulatory mechanism, 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, directions under section 5 of the Environment (Protection) Act, were issued on July 21, 2015 to M/s Lakwa Thermal Power Station, Assam Power Gen. Corp. Ltd. (APGCL), Assam for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for emission parameters PM, SO₂, NO_x, and effluent parameters pH, TSS, BOD, COD, Flow, and submission of the status of installation and data connectivity; and

WHEREAS, directions under section 5 of the Environment (Protection) Act, were issued on July 30, 2018 to M/s Lakwa Thermal Power Station, APGCL, Assam directing not to operate the plant without installation of complete OCEMS and providing connectivity to CPCB server; and

WHEREAS, M/s Lakwa Thermal Power Station, APGCL, Assam has meanwhile decommissioned its four out of seven gas turbine units and has commissioned seven new gas

huf

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

engines as a replacement project, and it is observed that the plant has installed of OCEMS and provided its data connectivity with CPCB server; and

WHEREAS, M/s Lakwa Thermal Power Station, APGCL, Assam has been inspected by a team of CPCB RD Shillong on May 03, 2023 under the environmental surveillance of 17 categories of high pollution potential industries and common facilities based on OCEMS data, in order to verify environmental compliance and the status of OCEMS. The salient observations made by the inspection team are as following:

1. M/s Lakwa Thermal Power Station, APGCL, Assam has a total installed capacity of 167.2 MW (3×20 MW Gas Turbines + 37.2 MW WHRB + 7×10 MW Gas Engines).
2. Consent to operate (CTO) under Air Act, 1981 and Water Act, 1974 and Hazardous Waste Authorization of the plant are valid up to 31.03.2024.
3. As per the analysis report of effluent samples collected from ETP outlet, the effluent samples were found to be complying with the prescribed standards of pH, Free available chlorine, Suspended Solids, Oil & Grease, Phosphates, Iron, Copper and Zinc.
4. Manual stack emission monitoring of units could not be carried out due to non-availability of manual monitoring port-hole in the stacks. Further, the stacks are provided with monkey ladders instead of stair-case.
5. OCEMS has been installed for emission parameters PM, SO₂ and NO_x, and effluent parameters pH, TSS, BOD, COD and Flow. OCEMS for emission and effluent parameters are connected with CPCB server.
6. Sensor probe installed at ETP outlet was found non-functional during the visit. As reported by the plant, the same has been non-functional since last one month.
7. Significant variation in OCEMS data was observed in the emission values in Gas engine units # 5, 6 and 7. As reported by the plant, calibration of OCEMS for emission and effluent was lastly carried out on 24.02.2023. However, calibration certificates were not provided to the inspection team.
8. Spent lube oil was found spread on both sides of the drain within the premises. Empty drums and containers of used oil were stored in open area.

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 view of the above and in exercise of the powers vested under Section 5 of the Environment (Protection) Act, 1986, following directions are hereby issued to M/s Lakwa Thermal Power Station, Assam Power Gen. Corp. Ltd. (APGCL), Assam:

huf

1. The Plant shall take immediate action to restore functioning of sensor probes of OCEMS for effluent parameters and proper data transmission to CPCB and SPCB servers on regular basis.
2. The Plant shall take immediate action to calibrate OCEMS for emission and effluent parameters and ensure it on regular basis.
3. The Plant shall provide port holes for manual stack emission monitoring and improve stack emission monitoring facilities as per CPCB guidelines for Emission Regulations, Part III, during the next shutdown of units.
4. The Plant shall take immediate action for proper management of spent oil as per the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.

M/s Lakwa Thermal Power Station, APGCL, Assam shall ensure compliance of the directions mentioned above at Sl. Nos. 1 to 4 and submit compliance report within 15 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.

12/6/23
(Tanmay Kumar)
Chairman
WTS

Copy to (for information):

1. The Chairman
Pollution Control Board- Assam,
Bamunimaidam, Guwahati - 781 021,
Assam
2. The Director (CP Division)
Ministry of Environment, Forests and Climate Change,
Indira Paryavaran Bhawan, Aliganj,
Jor Bagh Road, New Delhi - 110 003
3. The Regional Director (North-East),
Central Pollution Control Board,
Lower Motinagar, Shillong - 793 014
4. The Deputy Commissioner,
Deputy Commissioner Office, Sonari,
Dist. Charaideo, Assam
5. The Divisional Head - IT, CPCB

Prashant Gargava
(Prashant Gargava)
Member Secretary
WTS