



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-14/18/2024/

374

April 12, 2024

To,

The Chief General Manager,
M/s Agartala Gas Turbine Combined Cycle Power Plant (135 MW),
North Eastern Electric Power Corp. Ltd. (NEEPCO),
P.O. Ramachandra Nagar,
West Tripura – 799 008, Tripura

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Agartala Gas Turbine Combined Cycle Power Plant, NEEPCO, Dist. West Tripura, Tripura - 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.

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, directions under section 5 of the Environment (Protection) Act, were issued on July 21, 2015 to M/s Agartala Gas Turbine Combined Cycle Power Plant (Formerly known as 84 MW Gas Based Power Project), NEEPCO, Ramachandra Nagar, West Tripura, Tripura for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for emission parameters PM, SO₂, NO_x, and effluent parameters pH, TSS, Flow, and submission of the status of installation and data connectivity; and

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WHEREAS, M/s Agartala Gas Turbine Combined Cycle Power Plant, NEEPCO, Tripura has been inspected by a team of CPCB RD Shillong on January 25, 2024 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 based on the inspection carried out by CPCB inspecting team are as below:

1. The Consent to operate (CTO) under the Air Act, 1981 and the Water Act, 1974 of the plant are valid up to 17.11.2028. The Plant has applied for Hazardous Waste Authorization to SPCB on 28.12.2023.
2. As per the analysis report of effluent samples collected from the Neutralization Pit outlet, the effluent samples were found to be complying with the prescribed standards of pH, TSS, Oil & Grease, Phosphates, Iron, Copper, Chromium and Zinc.
3. **Manual stack emission monitoring of units could not be carried out due to non-availability of manual monitoring port-hole in the stacks.**
4. OCEMS has been installed for emission parameters PM, SO₂ and NO_x, which are connected with the CPCB server. The Plant has placed an order for the installation of new OCEMS for emission parameters. (It is observed that Unit-4 was reported to be under standby condition during the inspection and operated as per load requirement, still the NO_x emission data from OCEMS was being transmitted to the CPCB server in the range of 270 to 300 mg/Nm³ since Sept 2023, which means faulty data transmission from the OCEMS analyser) .
5. **OCEMS for effluent parameters has not been installed at the ETP/Neutralization Pit outlet for pH, TSS, and Flow parameters.**
6. The storage facility for the hazardous and other wastes was not found as per the HOW Rules, 2016. Used oil containers were stored in an open area.
7. The Plant has not provided display board for hazardous and other wastes' details at the entrance gate which is mandatory as per Hon'ble Supreme Court orders in W.P (C) 657/1995. Further, the display board for environmental data installed at the entry gate was found under repair condition.

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 Agartala Gas Turbine Combined Cycle Power Plant, NEEPCO, Tripura, to immediately:

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1. install OCEMS for effluent parameters pH, TSS, and Flow at the ETP/Neutralization Pit outlet, and establish the online connectivity of effluent parameters with the CPCB and SPCB servers.
2. provide port holes and stack emission monitoring facilities for manual stack emission monitoring as per CPCB guidelines for Emission Regulations, Part III, during the next shutdown of units.
3. commission the works initiated for installation of new OCEMS for emission parameters, as per the CPCB's guidelines for OCEMS.
4. ensure proper management and storage of hazardous and other wastes as per the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.
5. install the display board for details of environmental data and hazardous and other wastes details at the entrance gate.

M/s Agartala Gas Turbine Combined Cycle Power Plant, NEEPCO, Tripura shall ensure compliance of the above directions and submit action taken 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,
Tripura State Pollution Control Board,
Parivesh Bhawan, Pandit Nehru Complex,
Gorkhabasti, P.O. Kunjaban,
Agartala – 799 006, Tripura
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,
BSNL NE – I, Telecom Office,
CTO Building, Ground Floor,
Shillong - 793 001, Meghalaya

4. The District Magistrate & Collector,
Office of the D.M. & Collector,
Dist. West Tripura – 799 001,
Agartala, Tripura

5. ✓ The Divisional Head - IT, CPCB


(Bharat Kumar Sharma)
Member Secretary

