

SPEED POST

B-33014/07/2017-18/IPC-II/ \u094d\u094d\u094d

November 21, 2017

To

M/s Tenughat Thermal Power Station,
Tenughat Vidyut Nigam Limited,
P.O. Tenughat, Lalpania, \u094d
Bokaro - 829149, Jharkhand.)

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Tenughat Thermal Power Station (TTPS) of TVNL-Closure thereof.

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, which pose constant threat to cause adverse effect on air and water quality; and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online emission and effluent monitoring systems need to be installed and operated by the developers and the industries on 'polluter pays principle' ;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 effluent monitoring systems; and

WHEREAS, the CPCB has prepared and uploaded guidelines for online continuous monitoring system for effluent at CPCB website; and

WHEREAS, considering the requests/ representations received from industries/ industrial associations/ SPCBs / PCCs, an extension of time up to June 30, 2015 for installation of online monitoring systems was granted vide direction dated March 02, 2015 under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981; and

WHEREAS, a letter vide dated May 29, 2015 was issued by the Chairman CPCB to all SPCBs/PCCs informing that no further extension of time will be given after June 30, 2015 and withdrawal of consent to operate along with forfeit of bank guarantee of non-complying units will be the only option; and

WHEREAS, it is presumed that concerned SPCB/PCC has also issued a direction under section 33 (A) of the Water (Prevention & Control of Pollution) Act, 1974 to your unit to install the online effluent monitoring system; and

WHEREAS, directions under section 5 of the Environment (Protection) Act, were issued on July 21, 2015 to M/s Tenughat Thermal Power Station (TTPS) for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for parameters namely PM, SO₂, NO_x & pH, TSS, Temperature, flow and submission of the status; and

WHEREAS, a team from Regional Directorate-East, Kolkata carried out an inspection of M/s TTPS on 10.10.2017 to verify the compliance. The team made the following observations:

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1. M/s TTPS is operating without valid consent under Air (Prevention & control of Pollution) Act, 1981, Water (Prevention & control of Pollution) Act, 1974 since 01.01.2016 and has not also obtained Hazardous Waste Authorisation from JPCB.
2. The renewal of consent has been refused by JPCB due to non-compliance of conditions of earlier CTO. In this regard, JPCB has also issued a show cause notice to the plant.
3. Unit- 2 was found non-operational due to shortage of coal and Unit-1 was found operating at 76.19% load.
4. The concentration of PM (~~4~~20.72 mg/Nm³) from Unit-1 was found to be exceeding the limit of 100 mg/Nm³ during manual monitoring.
5. M/s TTPS has not installed OCEMS for monitoring of stack emission and effluent for ash pond. EQMS installed at outlet of neutralisation pit is also not connected with CPCB server.
6. The concentration of pH, BOD, COD, TSS and O&G was observed as 7.4, < 2.5 mg/l, 12 mg/l, < 2 mg/l and < 5 mg/l respectively, whereas online monitoring values for pH, BOD, COD and TSS were 6.6, 22.31, 52.36 and 21.01 respectively. The effluent parameters were found complying with prescribed standards. However, the deviation between manual and online data for BOD, COD & TSS was found to be 792%, 336% and 950% which seems to be very high.
7. **The overflow from fly ash pond is discharged into Murmanawa Nala which finally meets River Damodar.** The sample could not be collected for monitoring due to approach being inaccessible. Thus, M/s TTPS is not recycling/reusing to maintain close circuit as per CTO.

WHEREAS, an order has been passed by Hon'ble NGT, Principal Bench, New Delhi vide dated 24.10.2017 in the matter of Central Pollution Control Board v/s General Manager/Chief Engineer of Thermal Power Plants & Others (OA No. 409/2017) filed by CPCB not installation of OCEMS by thermal power plant. Hon'ble NGT has stated that "Central Pollution Control Board and all the State Pollution Control Boards to act in accordance with law. Law provides enough powers including power to direct closure and ensure closing of the defaulting industries. Concerned State Administration shall provide all assistance to the Boards for ensuring execution of their orders".

WHEREAS, emission from Unit 1 was found exceeding the emission limit and effluent from overflow of ash pond poses serious threat to environment.

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, M/s Tenughat Thermal Power Station, P.O. Tenughat, Lalpania, Dist. Bokaro, Jharkhand is hereby directed to ensure compliance of following directions:

1. That M/s TTPS shall close down the operations of Unit -1 & 2 with immediate effect and shall remain closed till renewal of consent to operate from JPCB.
2. That M/s TTPS shall obtain Hazardous Waste Authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 from JPCB.

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3. That M/s TTPS shall augment the efficiency of ESP connected to Unit- 1 so as to comply with emission limit of 100 mg/Nm³ for particulate matter submit an action plan to comply with the new emission norms vide notification dated 07.12.2015.
4. That M/s TTPS shall immediately install and establish 24x7 connectivity of online monitoring system for stack emission, ambient air quality, ash pond overflow, ETP/STP as per CPCB guidelines.
5. That M/s TTPS shall ensure regular calibration of OCEMS and transmission of data to CPCB server on regular basis. The unit shall also inform to CPCB immediately whenever OCEMS are not in operation either due non-operation of plant or any other reason.
6. That M/s TTPS shall ensure no effluent is being discharged outside plant premises under any condition and submit a time bound action plan to achieve Zero Liquid Discharge (ZLD) within 15 days of issue of the directions.
7. That M/s TTPS shall install Ash Water Recirculation System (AWRS) at its fly ash pond to recycle/reuse the effluent and under any circumstances, ash pond overflow shall not be discharged directly or indirectly into River Ganga or its tributaries.

M/s Tenughat Thermal Power Station of Tenughat Vidyut Nigam Limited is hereby directed to comply the directions listed at Sr. No. 1-7. Action taken report shall be submitted within 15 days from the date of issue of these directions. In case of failure to comply with the said directions, the Board will be constrained to initiate action as may be deemed necessary and appropriate in the circumstance of the case under the Environment (Protection) Act, 1986.

(S.P.S. Parihar)
Chairman

22.11.2017

Copy to:

1. The Chairman
Jharkhand State Pollution Control Board
T.A. Bldg., HEC, P. O.
Dhurwa, **Ranchi-834 004** (Jharkhand)
2. The District Magistrate
Collectorate, **Bokaro**, Jharkhand
3. The Addl. Secretary (CP Division)
Ministry of Environment, Forests and Climate Change
Prithvi Wing, 2nd Floor, Room No. 216
Indira Paryavaran Bhawan
Aliganj, Jor Bagh Road, **New Delhi - 110003**
4. The Regional Director - West,
Central Pollution Control Board
Southend Conclave, Block 502, 5th & 6th Floor
1582, Rajdanga Main Road
Kolkata - 700 107
5. The Divisional Head - IT, CPCB

(A. Sudhakar)
Member Secretary