

SPEED POST

B-33014/07/2018/IPC-II/TPP/ 222

April 05, 2018

To

The Plant Head
M/s TAQA Neyveli Power Company Pvt. Ltd,
250 MW LEPP, Uthangal, Umangalam Via,
Viruthachalam, Cuddalore - 607 804,
Tamil Nadu

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s TAQA Neyveli Power Company Pvt. Ltd, Uthangal, Cuddalore, Tamilnadu.

WHEREAS, the 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 the ambient air and water, which pose constant threat to cause adverse effect on the 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 5 of the Environment (Protection) Act, was issued on July 21, 2015 to M/s TAQA Neyveli Power Company Pvt. Ltd (TNPCPL), Uthangal, Cuddalore, Tamilnadu for installation of online emission & effluent monitoring systems for PM, SO₂, NO_x & pH, TSS, Temp. & flow parameters and submission of the status.

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - South, Bengaluru carried out an inspection of M/s TNPCPL on 22.02.2018 and made following observations:

1. M/s TNPCPL has a valid consent under Air and Water Acts, 1981 & 1974 with validity up to 31.03.2020. Whereas, Hazardous Waste Authorization of M/s TNPC is valid up to 30.01.2023.
2. **Emission from the Unit was found non-complying with the prescribed standards.** The concentrations of PM during manual monitoring was observed to be 124 mg/Nm³ against the standard of 100 mg/Nm³ prescribed by SPCB whereas as per online monitoring the concentration of PM was recorded as 26.0 mg/Nm³. The deviation in concentration of PM value of manual and online monitoring was found to be 79%.
3. The real time data w.r.t. PM, SO₂ and NO_x parameters were not matching with the data transferred to CPCB server. In real time PM concentration was found 19.88 mg/Nm³ whereas the data transferred to CPCB server was showing 26 mg/Nm³, which confirms some malfunctioning in real time data transfer.
4. M/s TNPCPL has installed an ETP for treatment of waste water from Plant. The treated water is the being used for making ash slurry and the same is being pumped to ash pond.
5. The sample was collected from Ash Pond outlet and the results monitored were found to be pH: 7.8, TSS: 08 mg/l, COD: 5.2 mg/l and O&G: 2.0 mg/l. All the parameters were found complying with the prescribed standards. However, as per EQMS the results of effluent were found to be pH: 8.17, TSS: 24.0 and Temp: 30.1 °C. **The deviation in pH & TSS values of manual and online monitoring was found to be 5% and 200% respectively.**

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WHEREAS, M/s TNPCPL has been directed on 11.12.2017 to install FGD by June 30, 2022 in Unit- 1 to comply SO2 norms, and to meet NOx norms by December 31, 2022 as per plan submitted by MoP;

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 powers vested under Section 5 of the Environment (Protection) Act, 1986, following directions are hereby issued to M/s TAQA Neyveli Power Company Pvt. Ltd (TNPCPL), Uthangal, Cuddalore, Tamilnadu:

1. M/s TNPCPL shall take corrective measures to comply with applicable emission norms in and submit emission monitoring report from an EPA recognised lab as evidence in this regard within one month.
2. M/s TNPCPL shall immediately calibrate OCEMS for emission and effluent parameters to rectify the deviation in data and shall also rectify the differences in displayed data and transmitted data of OCEMS to CPCB server.

M/s TAQA Neyveli Power Company Pvt. Ltd (TNPCPL), Uthangal, Cuddalore, Tamilnadu shall submit ATR within one month from the date of issue of the directions. In case of failure to comply with the said directions environmental compensation will be levied and further necessary action as deemed fit under the provision of the Environment (Protection) Act 1986 will be taken by CPCB.

59/4/18
(S.P.S. Parihar)
Chairman

Copy to:

1. The Chairman
Tamil Nadu Pollution Control Board
No. 100 Anna Salai, Guindy,
Chennai- 600 032, Tamilnadu
2. The Additional 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
3. The Regional Director (South)
Central Pollution Control Board
1st& 2nd Floors, Nisarga Bhawan, A-Block,
Thimmaiah Main Road, 7th D Cross,
Shivanagar, Bengaluru - 560 010
4. Divisional Head- IT, CPCB
5. Divisional Head- IPC-VI, CPCB

23/04/18
(A. Sudhakar)
Member Secretary