



SPEED POST

B-33014/07/2019/IPC-II/TPP/10542

December 31, 2019

To,

The Chief Engineer,
Chandrapur Super Thermal Power Station
Maharashtra State Power Generation Co. Ltd,
Urjanagar, Chandrapur - 442 404,
Maharashtra

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Chandrapur Super Thermal Power Station, Maharashtra State Power Generation Co. Ltd., Chandrapur, Maharashtra - Show Cause 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 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, directions under section 5 of the Environment (Protection) Act, were issued on July 21, 2015 to M/s Chandrapur Super Thermal Power Station (CSTPS), Maharashtra State Power Generation Co. Ltd. (MSPGCL), Chandrapur, Maharashtra 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, M/s CSTPS, MSPGCL has been directed on 11.12.2017 to install FGD in Units - 3 to 9 by Mar 2020 to Mar 2021 and upgrade ESP in Unit - 8 by Mar 2021 as per plan submitted by MoP to meet revised emission norms as per MoEF&CC notification dated 07.12.2015;

WHEREAS, based on the number of SMS alerts received from OCEMS of M/s CSTPS, NTPC Ltd., in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - West, Vadodara carried out an inspection of M/s CSTPS, MSPGCL on December 04, 2019 and made the following observations:

1. Emission from the Unit - 4 was found to be non-complying the prescribed standards of PM, whereas, Units - 8 & 9 were found complying. The concentration of PM emission from Unit - 4 during manual monitoring was observed to be 108 mg/Nm³ (Duct-A) and 558 mg/Nm³ (Duct-B) against the prescribed standard of 100 mg/Nm³.
2. It was observed that two separate outlet ducts (Duct-A and Duct-B) from ESP to the stack is provided in Unit-4. The industry has provided OCEMS device in Duct-A from ESP to measure the emission. However, separate stream from Duct-B also enters the same stack. The OCEMS data transmitted from Unit-4 to CPCB server is not actual emission data under present condition.

Wg

3. The unit is meeting its water requirement from the Irai River. The waste water generated from various processes of Plant is treated in 04 nos. of ETPs and the treated effluent is utilized dust suppression at Coal Handling Plant and ash handling purposes.
4. Treated effluent samples was collected from outlet of ETP-1 which were found complying with the prescribed standards of pH, TSS, BOD & COD. The analysis results of sample were found as pH: 7.68, TSS: 7.5 mg/l, BOD: 1.7 mg/l & COD: 21 mg/l. Whereas, OCEMS data were recorded as pH: 6.66, TSS: 80.7 mg/l, BOD: 20.8 mg/l & COD: 83.2 mg/l. **Significant deviation was observed between manual monitoring data and OCEMS data of treated effluent.**
5. During visit, it was observed that the sludge from settlers of the ETP-I was stored on ground even though sludge drying beds are provided.
6. As per the information, the industry has generated and disposed Used/spent oil, spent ion exchange resin and discarded barrels more than the quantity mentioned in the CCA. The industry has disposed Glass wool at CHWTSDF site, however, glass wool is not mentioned in the CCA.

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.

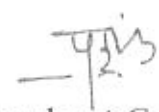
NOW, THEREFORE, in view of the non-compliance of PM emission standard in Unit - 4 and other shortcomings mentioned above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s CSTPS, MSPGCL is hereby directed to show cause as to why Unit - 4 of the plant should not be closed and environmental compensation be imposed in view of the non-compliances as highlighted above.

M/s CSTPS, MSPGCL is given an opportunity to submit its objection, if any, within 15 days from the date of issue of the directions. In case of failure, the Board will be constraint to initiate action as deemed necessary and appropriate in the circumstances under the Environment (Protection) Act, 1986.


(S.P.S. Parihar)
Chairman


Copy to:

1. The Chairman,
Maharashtra Pollution Control Board,
Kalpataru Points, 3rd & 4th Floor,
Sion Matunga Scheme Road No.6 Opp. Cine Planet,
Sion Circle, Sion (E), **Mumbai - 400 022**
2. 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 - 110 003**
3. The Regional Director - West,
Central Pollution Control Board
Parivesh Bhawan, Opp. VMC Ward Office no. 10
Subhanpura, **Vadodara - 390 023**
4. The Divisional Head - IT, CPCB
5. The Divisional Head - IPC-VI, CPCB


(Prashant Gargava)
Member Secretary

