

SPEED POST

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

May 11, 2018

To

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The General Manager
M/s Koderma Thermal Power Station,
Damodar Valley Corporation,
Koderma - 825 421, Jharkhand

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Koderma Thermal Power Station, DVC, Koderma, Jharkhand - 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 Koderma Thermal Power Station, DVC, Koderma, Jharkhand 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 Koderma Thermal Power Station has been directed on 11.12.2017 to install FGD in Unit -1 & 2 by December 31, 2021 as per plan submitted by MoP to comply with SO₂ emission norms;

WHEREAS, as per plan submitted by MoP, no timeline has been submitted for upgradation of ESPs of Unit- 1 & 2 of M/s KTPS, which means PM emission from both the units to comply with new PM emission limits (50 mg/Nm³) notified vide notification dated 07.12.2015;

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - East, Kolkata carried out an inspection of M/s Koderma Thermal Power Station (KTPS) during April 17 - 18, 2018 and made the following observations:

1. **The validity of CTO under Air and Water Acts, 1981 & 1974 has expired on 31.12.2017.** M/s KTPS, plant has applied for renewal. **Hazardous Waste Authorisation of M/s KTPS has also expired on 07.01.2018** and the plant has applied for its renewal.

2. **Emission from Unit-1 was found non-complying with the prescribed standards.** The concentration of PM during manual monitoring in Units-1 & 2 was observed to be **95 mg/Nm³** & **41 mg/Nm³** against standards of **50 mg/Nm³** which indicates improper O&M of ESPs. **Moreover, significant deviation was observed between online and manually monitored values of PM in Unit-1 (31.5%).** As per online monitoring system, the average concentration of PM was found to be **65 mg/Nm³** and **43 mg/Nm³** in these units.
3. M/s KTPS has installed OCEMS for effluent at outlet of industry drain and connected with CPCB server. The samples were collected from inlet & outlet of ETP and outlet of drain. The effluent samples were found to be complying with prescribed standards. **Moreover, significant deviation was observed between online and manually monitored values of TSS (24.64%).**
4. M/s KTPS is not carrying out treatment of total effluent. Part of the effluent is directly being discharged via industry outlet drain into River Barakar. However, pH & SS levels are within the prescribed limits. The storm water drain and process water drain are also not made separate.
5. Fugitive emission was observed at various locations of plant.

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-compliances mentioned above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s Koderma Thermal Power Station, DVC, Koderma, Jharkhand is directed to show cause as to why the Unit-1 of the plant should not be closed for the shortcomings as highlighted above and environmental compensation be not imposed in respect of these violations.

M/s Koderma Thermal Power Station, DVC, Koderma, Jharkhand is further directed to immediately initiate necessary action in respect of the following:

1. That Plant shall obtain consent under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and Hazardous Waste Authorization from JSPCB.
2. That Plant shall take corrective measures in emission control systems so as to comply with new PM emission limit (50 mg/Nm³) in Unit - 1 and submit emission monitoring report from an EPA recognised lab as evidence in this regard within one month.
3. That Plant shall immediately calibrate OCEMS for emission and effluent parameters and also rectify the differences in real time transmission of OCEMS data to CPCB server.

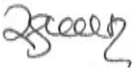
4. That Plant shall treat complete effluent in ETP before discharging it into drain. The Plant shall also ensure that storm water should not get mixed with process waste water.

M/s Koderma Thermal Power Station, DVC, Koderma, Jharkhand shall submit its reply to show cause notice and ensure compliance of directions listed at Sl. No. 1 - 4 within one month 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.


15/05/18
(S.P.S. Parihar)
Chairman


Copy to:

1. The Chairman
Jharkhand State Pollution Control Board
T.A. Bldg., HEC, P. O. Dhurwa,
Ranchi-834 004, Jharkhand
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 - East,
Central Pollution Control Board
Southend Conclave, Block 502, 5th & 6th Floor
1582, Rajdanga Main Road
Kolkata - 700 107
4. The Divisional Head - IT, CPCB
5. The Divisional Head - IPC-VI, CPCB


(A. Sudhakar)
Member Secretary
