

SPEED POST

B-33014/07/2018/IPC-II/TPP/ 17482

February 13, 2018

To

The General Manager
Mejia Thermal Power Station
Damodar Valley Corporation,
Village- Mejia, P.O: MTPS
Bankura - 722 183, West Bengal

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Mejia Thermal Power Station, DVC, Dist Bankura, West Bengal- 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, 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, M/s Mejia Thermal Power Station (MTPS) has installed Online Emission & Effluent Monitoring System (OCEMS) for PM, SO₂, NO_x, pH, TSS, Temp., BOD and COD and has established online connectivity of same with CPCB server.

WHEREAS, a team from Regional Directorate - East, Kolkata carried out an inspection of M/s MTPS January 07-10, 2018 to verify the compliance status against the issues raised in a complaint. The inspecting team made the following observations:

1. M/s Mejia Thermal Power Station has valid consent under Air and Water Acts, 1981 & 1974 with validity up to 31.03.2022. Hazardous Waste Authorization of Plant has expired on 31.11.2017. However, Plant has applied for renewal of authorization to WBPCB.
2. The concentration of PM during manual monitoring from Units-1 & 6 were observed to be 91 mg/Nm³ and 51 mg/Nm³ respectively against the prescribed standard of 150 mg/Nm³. Emission from Unit- 1& 6 were found complying with the prescribed standards.
3. The results of effluent monitoring were found as pH- 7.17 & 7.57, TSS- 17 & 14 mg/l and O&G < 5 mg/l. The effluent samples were found to be complying with the prescribed standards.
4. The surface and ground water samples were collected from 09 locations (03 Pond water, 03 Dam water and 03 Ground water) from surrounding villages for monitoring of water quality. The monitored quality of water found as pH- 6.15 to 8.05, TSS- 06 to 23 mg/l and O&G < 5 mg/l. The quality of water was found to be complying with the prescribed standards.



5. The major issues raised in the complaint were related to emission from silo of Unit-7 & 8, which were non-operational due to non-operation of these units and improper management and handling of fly ash at ash pond which was found unsatisfactory.
6. The ambient air quality was monitored in 04 neighbouring locations (Latiabani Village, Radhakrishnapur Village, Bakadaha Village and Gangajal Ghati Village). The average concentration of PM₁₀ in these areas were found to be 317.33, 164.67, 149.67 and 154.33 $\mu\text{g}/\text{m}^3$ respectively against standard of 100 $\mu\text{g}/\text{m}^3$, whereas, the concentration of PM_{2.5} in Latiabani Village was found to be 173 $\mu\text{g}/\text{m}^3$ against standard of 60 $\mu\text{g}/\text{m}^3$ indicating very high level of pollution suspected due to improper fly ash management.

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, M/s Mejia Thermal Power Station of DVC, Bankura, West Bengal is directed to comply with the following directions in time bound manner:

1. That MTPS shall submit plan for proper handling and management of coal dust and fly ash to control fugitive emissions from all coal and fly ash handling sources such as silos, CHP etc. with target date to complete all work not exceeding 03 months.
2. That MTPS shall ensure maximum utilisation of fly ash stored in ash pond in order to evacuate disposed ash at higher level and submit a time bound action plan in this regard.
3. That MTPS shall submit plan to develop green belt and green cover for filled up fly ash pond, to prevent the fly ash getting air borne in areas located around the plant.

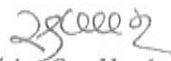
M/s Mejia Thermal Power Station of DVC, Bankura, West Bengal shall submit ATR within one month from the date of issue of the directions. Further, CPCB shall impose environmental compensation for the shortcomings in management and handling of fly ash, and necessary action as deemed fit under the provision of the Environment (Protection) Act 1986 will be taken by CPCB.


15/11/18
(S.P.S. Parihar)
Chairman



Copy to:

1. The Chairman
West Bengal Pollution Control Board
Paribesh Bhawan, 10-A, Block LA,
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Kolkata - 700 091, West Bengal
2. The Addl. Secretary (CP Division)
Ministry of Environment, Forests and Climate Change
Prithvi Wing, 2nd Floor, Room No. 216
Indira Paryavaran Bhawan, Aliganj,
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3. The Regional Director - East,
Central Pollution Control Board
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Kolkata - 700 107
- ✓ 4. The Divisional Head - IT, CPCB


(A. Sudhakar)
Member Secretary