



SPEED POST

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

November 14, 2018

To

12702
The General Manager
M/s Hasdeo Thermal Power Station
(Korba West TPS), CSPGCL,
Village: Darri, P.O. - Vidyut Nagar,
Dist: Korba - 495 450, Chhattisgarh

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Hasdeo Thermal Power Station, Korba West, C.S. Power Generation Co. Ltd, PO-Vidyut Nagar, Korba, Chhattisgarh - 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 Hasdeo Thermal Power Station (HTPS), Korba West, C.S. Power Generation Co. Ltd. (CSPGCL), PO-Vidyut Nagar, Korba, Chhattisgarh 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 HTPS, CSPGCL has been directed on 06.04.2018 to install FGD and upgrade the ESPs in Units - 1 to 4 by December 31, 2020 to comply with new 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 HTPS, CSPGCL, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - Central, Bhopal carried out an inspection of M/s HTPS, CSPGCL during October 16 - 17, 2018 and made the following observations:

1. The CTO under Air and Water Acts, 1981 & 1974 of M/s HTPS is for Unit-1-4 has expired on 14.09.2018 and the Plant has applied for its renewal on 16.07.2018. Hazardous Wastes Authorisation of Plant has also expired on 14.09.2018 and Plant has applied for its renewal on 12.07.2018.
2. It was informed by the unit representative that the ESP augmentation work in Unit-1 to 4 has been assigned to M/s BHEL. The completion of augmentation of ESPs in Unit-1 to 4 is expected by end of December 2020. It was reported that augmentation work of Pass C&D of Unit-2 has been completed and under process in Pass A&B.
3. **Emission from Unit-1 to 4 was found to be non-complying with the prescribed standards.** The concentration of PM during manual monitoring in Units-1 to 4 was observed to be 199 mg/Nm³, 249 mg/Nm³, 184 mg/Nm³ and 201 mg/Nm³ which are exceeding even the pre-revised national standards of 150 mg/Nm³. Whereas as per online monitoring system the concentration of PM was found as 148, 153, 160 and 130 mg/Nm³ from Unit- 1 to 4 respectively. Moreover, the deviation between manual and online monitoring was found in range of 13% - 38%.

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4. The effluent generated from boiler blowdown and other processes is treated in ETP and the treated water is used for ash disposal. Domestic waste water is treated in STP. The ash pond overflow from 3 out of 4 ash ponds treated and then discharged into Hasdeo River and in 4th ash pond AWRS is installed to recycle ash pond overflow.
5. The effluent samples were collected from 03 locations i.e. boiler blowdown, cooling tower blowdown and ash pond overflow. The samples were found to be complying with the prescribed standards.

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 Hasdeo Thermal Power Station (HTPS), Korba West, CSPGCL, Korba, Chhattisgarh is hereby directed to show cause as to why the Unit- 1 to 4 of the plant should not be closed in view of the shortcomings as highlighted above and environmental compensation be not imposed in respect of these violations.

M/s Hasdeo Thermal Power Station (HTPS), Korba West, CSPGCL, Korba, Chhattisgarh shall submit its reply to show cause notice/compliance report 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.

15/07/18
(S.P.S. Parihar)
Chairman

Copy to:

1. The Chairman
Chhattisgarh State Environment Conservation Board,
Paryavas Bhawan, North Block Sector-19,
Naya Raipur - 492 002, Chhattisgarh
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 - 110 003
3. The Regional Director
Central Pollution Control Board
4th Floor, Sahkar Bhawan, North TT Nagar,
Bhopal - 462 003
4. The Divisional Head- IT, CPCB
5. The Divisional Head- IPC-V, CPCB

(Prashant Gargava)
Member Secretary