

SPEED POST

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

October 21, 2019

To,

The General Manager,
Parichha Thermal Power Station,
Uttar Pradesh Vidyut Utpadan Nigam Ltd,
Parichha, Jhansi - 284 305, Uttar Pradesh

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Parichha Thermal Power Station (PTPS), UPRVUNL, Parichha, Jhansi, Uttar Pradesh - 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 Parichha Thermal Power Station (PTPS), UPRVUNL, Parichha, Jhansi, Uttar Pradesh for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for parameter, namely PM, SO₂, NO_x & pH, TSS, Temperature & Flow and submission of the status; and

WHEREAS, M/s PTPS, UPRVUNL has been directed on 11.12.2017 to install FGD and upgrade ESPs in Units - 3 to 6 by Dec 2021 to Apr 2022 as per plan submitted by MoP to meet revised emission norms as per MoEF&CC notification dated 07.12.2015. Further, M/s PTPS, UPRVUNL has been directed on 06.04.2018 to install FGD and upgrade ESPs in Units - 1 & 2 by Dec 2020 and shall not operate beyond December 2020, if it fails to comply with new/revised emission norms;

WHEREAS, based on the number of SMS alerts received from OCEMS of M/s PTPS, UPRVUNL, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - North, Lucknow carried out an inspection of M/s PTPS, UPRVUNL during September 25 - 26, 2019 and made the following observations:

1. Emission from the Unit - 3 was found to be non-complying the prescribed standards of PM, whereas, Units - 2, 4 & 6 were found complying. The concentration of PM from Units - 2, 3, 4 & 6 during manual monitoring was observed to be 96.8 mg/Nm³ (Std. 100 mg/Nm³), 336.0, 26.1, 21.80 mg/Nm³ (Std. 50 mg/Nm³), respectively.
2. OCEMS is installed for effluent parameters for pH, TSS and Temp. and is connected with CPCB server. Whereas, for emission parameters OCEMS is installed for PM, SO₂ and NO_x in Units - 1 to 6 and online data transmission was found in order for Units - 3 to 6. However, online data transmission from OCEMS of Units - 1 & 2 has not been established by the plant.
3. The unit is meeting its water requirement from the Betwa River. The unit has not provided flow meter at intake point. Units-1 to 2 have Once Through Cooling (OTC) system, whereas Units - 3 to 6 are based on CT system.
4. The waste water generated from various processes of Plant is treated in ETP-I & II and the treated effluent is utilized for ash slurry preparation for disposal in ash ponds. Treated effluent samples were collected from outlets of both the ETPs which were found complying with the

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prescribed standards of pH, TSS, BOD & COD. However, during inspection, TSS sensor of ETP-I was showing faulty readings whereas pH and TSS sensors of ETP-II were also found to be showing abnormal values.

5. The unit has installed STP for treatment of domestic waste water. The treated effluent from STP is reused for horticulture activities.

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 - 3, non-establishment of online data transmission from OCEMS of Units - 1 & 2 and other shortcomings mentioned above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s PTPS, UPRVUNL is hereby directed to show cause as to why the Units - 1, 2 and 3 of the plant should not be closed and environmental compensation be imposed in view of the non-compliances as highlighted above.

M/s PTPS, UPRVUNL 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.


24/07/20
(S.P.S. Parihar)
Chairman


Copy to:

1. The Chairman
Uttar Pradesh Pollution Control Board
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2. The Addl. Secretary (CP Division)
Ministry of Environment, Forests and Climate Change
Prithvi Wing, 2nd Floor, Room No. 216
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3. The Regional Director - North,
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4. The Divisional Head - II, CPCB
5. The Divisional Head - IPC-VI, CPCB


(Prashant Gargava)
Member Secretary
