

SPEED POST

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

September 30, 2019

To,

The General Manager  
M/s Rihand Super Thermal Power Station  
National Thermal Power Corporation Ltd.  
P.O Bijpur, Sonbhadra - 231 223;  
Uttar Pradesh

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Rihand Super Thermal Power Station (RSTPS), NTPC Ltd, PO. Rihand Nagar, Sonebhadra, 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 Rihand Super Thermal Power Station (RSTPS), NTPC Ltd, PO. Rihand Nagar, Sonebhadra, Uttar Pradesh for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for parameters namely PM, SO<sub>2</sub>, NO<sub>x</sub> & pH, TSS, Temperature & Flow and submission of the status; and

WHEREAS, M/s RSTPS, NTPC Ltd. has been directed on 11.12.2017 to install FGD in Units - 1 to 6 by Dec 2020 to Feb 2022 and upgrade ESPs in Units - 1 to 4 by Apr 2021 to Feb 2022 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 RSTPS, NTPC Ltd., 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 RSTPS, NTPC Ltd. during August 28 - 29, 2019 and made the following observations:

1. Emission from the Units - 1 & 2 was found to be non-complying the prescribed standards of PM, whereas, Units - 3, 5 & 6 were found complying. The concentration of PM emission from Units - 1, 2, 3, 5 and 6 during manual monitoring was observed to be 149, 221, 41.9 mg/Nm<sup>3</sup> (Std. 100 mg/Nm<sup>3</sup>), 43.4, 31.8 mg/Nm<sup>3</sup> (Std. 50 mg/Nm<sup>3</sup>), respectively.
2. The unit is meeting its water requirement from Rihand Reservoir. The unit has not provided flow meter at intake point of Rihand Reservoir for assessing total water intake. Units-1 to 2 have Once Through Cooling (OTC) system, whereas Units - 3 to 6 are based on CT system.
3. The waste water generated from various processes of Plant is treated in 3 nos. of ETP and the treated effluent is utilized for ash slurry preparation for disposal in ash ponds. Treated effluent samples were collected from outlets of all 3 ETPs which were found complying with the prescribed standards of pH, TSS, BOD & COD. However, during inspection, flooding condition in ETP-2 was observed. Flash Mixture in ETP-2 was also found non-operational.

hag

4. The unit has installed STP for treatment of domestic waste water. The treated effluent from STP is reused for horticulture activities. The effluent sample collected from STP outlet was 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-compliance of PM emission standards in 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 RSTPS, NTPC Ltd. is hereby directed to show cause as to why the Units - 1 & 2 of the plant should not be closed and environmental compensation be imposed in view of the non-compliances as highlighted above.

M/s RSTPS, NTPC Ltd. 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.

  
Ministry  
(S.P.S. Parihar)  
Chairman  


Copy to:

1. The Chairman  
Uttar Pradesh Pollution Control Board  
IIIrd Floor PICUP Bhawan  
Vibhuti Khand, Gomti Nagar,  
Lucknow - 226 020, U.P.
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 - North,  
Central Pollution Control Board  
PICUP Bhawan, Ground Floor  
Vibhuti Khand, Gomti Nagar  
Lucknow-226010
4. The Divisional Head - IT, CPCB
5. The Divisional Head - IPC-VI, CPCB

  
(Prashant Gargava)  
Member Secretary  
