

SPEED POST

B-33014/07/2018/IPC-II/TPP/ 17484

February 13, 2018

To

The General Manager
Raichur Thermal Power Station
Karnataka Power Corporation Limited
Shakthinagar, Dist Raichur - 584 170,
Karnataka

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Raichur Thermal Power Station, Shakthinagar, Karnataka - 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 Raichur Thermal Power Station (RTPS), Shakthinagar, Karnataka 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, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - South, Bengaluru carried out an inspection of M/s RTPS on 26-27.10.2017 and made the following observations:

1. M/s RTPS has a valid consent to operate under Air Act, 1981 and Water Act, 1974 with a validity up to 30.06.2021. The Hazardous Waste Authorisation is valid up to 30.06.2020.
2. All 8 units of M/s RTPS are equipped with ESPs for control of Particulate Matter (PM) emission.
3. Installation of online monitoring systems for emission is under process at plant for SO₂ & NO_x parameters, whereas opacity meters are installed in all 8 units but connectivity of CEMS is yet not been established. Effluent quality monitoring system is not yet installed by M/s RTPS.
4. The stack emission monitoring could not be done in operational units due to non-availability of port holes for manual monitoring as per CPCB guidelines given in Emission Regulation Part 3. M/s RTPS has installed the opacity meters at outlet of ESPs in the rectangular duct and has not provided another port holes for manual monitoring.



5. M/s RTPS has installed ETP and STP for treatment of industrial effluent and domestic waste water. The treated water of ETP is discharged into a natural drain which joins River Krishna and the treated water from STP is utilized in ash handling, slurry preparation and horticulture purposes.
6. The treated effluent sample was collected from the outlet of ETP and STP. The manually monitored results of ETP outlet were pH- 6.8, COD- 12 mg/l, TSS- 20 mg/l and O&G- 14.1 mg/l, whereas the results for outlet of STP were as pH- 8.2, COD- 51 mg/l, TSS- 748 mg/l and BOD- 6 mg/l. The effluent parameters were found complying for ETP outlet, However, at STP outlet TSS parameter was found non-complying with the prescribed standards.

WHEREAS, M/s RTPS has been directed on 11.12.2017 to install/upgrade ESPs and install FGD in all units by March 2021 to Dec 2022 as per plan submitted by MoP to meet revised emission norms;


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 Raichur Thermal Power Station, Shakthinagar, Karnataka is directed to show cause as to why your unit should not be closed for the shortcomings as highlighted above and environmental compensation be not imposed in respect of these violations.

M/s Raichur Thermal Power Station, Shakthinagar, Karnataka is further directed to immediately initiate necessary action in respect of the following:

1. That M/s RTPS shall complete the installation and connectivity of Continuous Emission Monitoring System for Particulate Matter and Effluent Quality Monitoring System with CPCB server for all parameters as per the CPCB directions within one month and submit plan for connectivity of CEMS for SO₂ and NO_x.
2. That M/s RTPS shall provide separate port holes for manual stack monitoring and improve stack monitoring facilities as per CPCB guidelines given in Emission Regulation Part 3 during next outage of units.
3. That M/s RTPS shall ensure proper treatment of industrial effluent and sewage to comply with the consented limits for all parameters and submit documentary evidence for compliance of norms by STP effluent within one month.

M/s Raichur Thermal Power Station, Shakthinagar, Karnataka shall submit its reply to show cause notice and ensure compliance of directions listed at Sl. No. 1 - 3 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.


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



Copy to:

1. The Chairman
Karnataka State Pollution Control Board
"Parisara Bhavan", #49,4th & 5th Floor,
Church Street, **Bangalore 560 001**
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 - 110003**
3. The Regional Director - South,
Central Pollution Control Board
1st & 2nd Floors, Nisarga Bhavan, A-Block,
Thimmaiah Main Road, 7th D Cross,
Shivanagar, **Bengaluru -560 079**
4. The Divisional Head - IT, CPCB


(A. Sudhakar)
Member Secretary