

SPEED POST

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

August 02, 2018

To

9284
The General Manager
Gandhinagar Thermal Power Station,
Gujarat State Electricity Corporation Ltd.
Gandhinagar - 382 041, Gujarat

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Gandhinagar Thermal Power Station (GTPS), Gujarat State Electricity Corporation Ltd, Gandhinagar, Gujarat - 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 Gandhinagar Thermal Power Station (GTPS), Gujarat State Electricity Corporation Ltd (GSEC Ltd.), Gandhinagar, Gujarat 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 Gandhinagar Thermal Power Station (GTPS), GSEC Ltd. has been directed on 11.12.2017 to install FGD in Unit -3 to 5 by December 31, 2021 to comply with SO₂ emission norms as per plan submitted by MoP;

WHEREAS, as per plan submitted by MoP, no timeline has been submitted for upgradation of ESPs of Unit- 3 to 5 of M/s GTPS, GSEC Ltd. which means Unit- 3 to 5 are to comply with new PM emission limits (100 mg/Nm³) notified vide notification dated 07.12.2015;

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - West, Vadodara carried out an inspection of M/s GTPS, GSEC Ltd. on June 21, 2018 and made the following observations:

- 1. Emission from Unit-3 and 4 was found non-complying with the prescribed standards.** The concentration of PM during manual monitoring in Units-1, 2 & 3 was observed to be 129.6 mg/Nm³, 228.5 mg/Nm³ and 89.21 mg/Nm³ respectively against standards of 100 mg/Nm³. Moreover, deviation between online monitoring and actual manually monitored values for Unit- was found very high (- 59.7%). As per online monitors, the average concentration of PM was found to be 107 mg/Nm³, 91 mg/Nm³ and 85 mg/Nm³.
- 2. The effluent samples collected from ETP-1 & 2 outlets were found non-complying with the prescribed standards.** The analysis results of effluent samples were found to be pH: 8.86, TSS: 150 mg/l (ETP-1) and pH: 8.74, TSS: 52 mg/l (ETP-2) against the prescribed standards of pH: 6.5 - 8.5 and TSS: 30 mg/l. The treated effluent was not being discharged outside but as per CC&A, the Plant is permitted to discharge effluent outside.


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3. The online values for ETP- 1 & 2 for pH were recorded as 8.48 & 8.73 and for TSS: 51 - 114 mg/l & 28 - 182 mg/l. High fluctuation in TSS values was observed in online monitoring system. The sensors were placed at improper location, near the bottom of the treated effluent tank where high turbulence and resuspension of settled mass occurs whenever the motor is on for pumping.
4. The average specific water consumption during January to March 2018 was reported as 4.0 M³/MWH, which is exceeding the prescribed limit of 3.5 M³/MWH.

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 Gandhinagar Thermal Power Station (GTPS), GSEC Ltd, Gandhinagar, Gujarat is hereby directed to show cause as to why the Unit- 3 & 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.

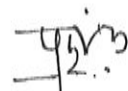
M/s Gandhinagar Thermal Power Station (GTPS), GSEC Ltd, Gandhinagar, Gujarat shall submit its reply to show cause notice/compliance report within 15 days from the date of issue of the directions. In case of failure, the Board will be constraint to initiate action as deemed necessary and appropriate in the circumstances under the Environment (Protection) Act, 1986.


(S.P.S. Parihar)
Chairman

 6/8/18

Copy to:

1. The Chairman
Gujarat Pollution Control Board
Paryavaran Bhawan, Sector 10-A,
Gandhi Nagar 382 010, Gujarat
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 - West,
Central Pollution Control Board
Parivesh Bhawan, Opp. VMC Ward Office no. 10
Subhanpura, Vadodara - 390 023
4. The Divisional Head - IT, CPCB
5. The Divisional Head - IPC-VI, CPCB


(Prashant Gargava)
Member Secretary

