

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
परिवेश, वन एवं जलवायु परिवर्तन विभाग, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

BY SPEED POST

B-33014/07/2017-18/IPC-II/ 10973

September 25, 2017

To

The Chief Engineer (C & O)
Wanakbori Thermal Power Station
Gujarat State Electricity Co. Ltd.
Dist Kheda, Gujarat

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 - Show cause thereof.

WHEREAS, the 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 the ambient air and water, which pose constant threat to cause adverse effect on the air and water quality; and

WHEREAS, for strengthening the 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, a direction under section 5 of the Environment (Protection) Act, was issued on July 21, 2015 to M/s Wanakbori Thermal Power Station (WTPS) for installation of online emission & effluent monitoring systems for PM, SO₂, NO_x & pH, TSS, Temp. & flow parameters and submission of the status.

WHEREAS, as per SMS record, it was observed that emission of Particulate Matter (PM) was exceeded at 288, 459 & 1983 number of times during the period of March-April, April-May, May-June 2017 respectively;

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 WTPS on 18.08.2017 and made following observations:

1. M/s WTPS has valid consolidated consent under Air and Water Acts, 1981 & 1974 and Hazardous Waste Authorization with validity up to 11.03.2018.
2. Only Unit-7 was found operational during the inspection. Remaining units were under reserve shut down due to low power demand. However, it was reported that ESP retrofitting work was in process in Unit-3 since 25.07.2017 and for Unit-2 retrofitting work is planned for November 2017.
3. Continuous Emission Monitoring Systems are installed in all seven units for PM, SO₂, NO_x parameters. OCEMS of Unit-7 was found operational for PM but for SO₂, NO_x parameters it was found non-operational due to technical issues as reported by the plant. Whereas, in Unit-1 to 6, PM analysers are in service but connectivity of SO₂ & NO_x analysers has not been established.
4. The concentration of PM during manual monitoring in Units-7 was observed to be 105.4 mg/Nm³ against the prescribed standard of 150 mg/Nm³ whereas as per online monitoring the concentration of PM was recorded in range of 74.71 - 82.4 mg/Nm³.

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The deviation in concentration of PM during manual and online monitoring was found to be 22%-29%.


5. The latest calibration of OCEMS in Unit-1 to 6 was carried out on 25.05.2017 and in Unit-7 on 31.07.2017.
6. Stack monitoring facilities needs improvement as it was not satisfactory as per CPCB guidelines given in Emission Regulation Part 3.

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, following directions are hereby issued to M/s Wanakbori Thermal Power Station, Gujarat State Electricity Co. Ltd., Dist Kheda, Gujarat:

1. That M/s WTPS shall explain the reasons of deviation in concentration of particulate matter as found during manual monitoring and recorded by the online monitors.
2. That M/s WTPS shall immediately establish online connectivity of Continuous Emission Monitoring System (CEMS) for SO₂, NO_x parameters with CPCB server in Unit- 1 to 6.
3. That M/s WTPS shall expedite the R&M activities in Unit-2 & 3 to comply with the new emission norms vide notification dated 07.12.2015 before 06.12.2017.
4. That M/s WTPS shall ensure regular calibration of CEMS and transmission of data to CPCB on regular basis. The unit shall also inform to CPCB immediately whenever CEMS or EQMS are not in operation either due non-operation of plant or any other reason.
5. That M/s WTPS shall improve stack monitoring facilities as per CPCB guidelines given in Emission Regulation Part-3.

M/s Wanakbori Thermal Power Station, Gujarat State Electricity Co. Ltd., Dist Kheda, Gujarat is hereby directed to comply the directions listed at Sr. No. 1-5. Action taken report shall be submitted within 15 days from the date of issue of these directions. A separate action to prosecute M/s WTPS in the NGT, New Delhi is being initiated for not providing connectivity of OCEMS to CPCB server.


(S.P.S. Parihar)
Chairman

01/08/2017 26/09/2017

Copy to:

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4. Divisional Head- IT, CPCB
5. Divisional Head - IPC-VI, CPCB

28/01/17

(A. Sudhakar)

Member Secretary

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