



**BY SPEED POST**

B-33014/07/2018/IPC-II/TPP/ 11661

October 11, 2018

To

The General Manager,  
M/s Bongaigaon Thermal Power Project  
NTPC Ltd, Vill: Kumguri, P.O: Salakati  
Dist: Kokrajhar - 788 369, Assam

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 regarding installation of on-line effluent and emission monitoring system- Revocation 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, directions under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 were issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring systems w.r.t PM, SO<sub>2</sub> & NO<sub>x</sub> parameters & online effluent monitoring system for pH, TSS, & Temperature parameters in thermal power plants; and

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate - North-East, Shillong carried out an inspection of M/s Bongaigaon Thermal Power Project (BTPP), NTPC Ltd, Kokrajhar, Assam during May 17 - 18, 2018 and highlighted the following shortcomings:

- 1. Emission from Unit-2 was found non-complying with the prescribed standards.** The concentration of PM, SO<sub>2</sub> and NO<sub>x</sub> during manual monitoring in Unit- 2 was observed to be 218 mg/Nm<sup>3</sup>, 937 mg/Nm<sup>3</sup>, 668 mg/Nm<sup>3</sup> respectively against standards of 30 mg/Nm<sup>3</sup>, 100 mg/Nm<sup>3</sup> and 100 mg/Nm<sup>3</sup>.
- 2. M/s BTPP has not completed the FGD installation in Unit- 1 & 2 and the unit has set a target of March 31, 2019 for FGD installation.** Whereas, as per EC conditions, M/s BTPP shall have installed FGD in both the units since commissioning of Units.
- 3. M/s BTPP has installed CEMS for PM, SO<sub>2</sub>, NO<sub>x</sub> parameters and connected it with CPCB server. However, during the inspection SO<sub>2</sub> & NO<sub>x</sub>**

11/10/18

7

analysers were found non-operational. M/s BTPP informed that some spares of SO<sub>2</sub>/NO<sub>x</sub> sensors need replacement which is under process.

4. M/s BTPP has installed OCEMS for effluent in the storm drain in which excess treated water would be released, if the situation arises. The same is connected with CPCB server. **However, the Plant has not installed Flow meter at source of water intake and outlet of ETP to quantify specific water consumption and discharge quantity.**
5. M/s BTPP is treating only about 10 to 15% of total effluent generated from the Unit-1 & 2 in the ETP. The remaining effluent is being discharged to the surface drain untreated.
6. The consent to operate (CTO) of M/s BTPP under Air and Water Acts, 1981 & 1974 is valid up to 31.03.2019. **M/s BTPP has not obtained Hazardous Waste Authorisation from Assam PCB.** M/s BTPP has not maintained records for disposal of Hazardous Wastes.

WHEREAS, as per the revised plan submitted by the MoP to MoEF&CC vide letter dated 13.10.2017, M/s BTPP was assumed to have installed FGD in its Unit- 1 & 2 to comply with SO<sub>2</sub> emission norms as well as complying PM norms.

WHEREAS, based on observations made by the inspecting team from Regional Directorate - North-East, Shillong, vide letter dated June 10, 2018, M/s BTPP was directed to show cause as to why the plant should not be closed for the shortcomings highlighted by the inspecting team and environmental compensation be not imposed in respect of the violations; and

WHEREAS, vide letter dated 04.07.2018, M/s BTPP submitted the status of compliance. M/s BTPP also submitted that the COD of Unit- 1 & 2 are 01.04.2016 and 01.11.2017, respectively, therefore, the respective concentration limits of PM, SO<sub>2</sub> & NO<sub>x</sub> in the new norms shall apply for Unit - 1 & 2; and

WHEREAS, in view of the non-compliance of show cause notice dated 10.07.2018, a closure direction under section 5 of the Environment (Protection) Act, 1986, was issued on 13.08.2018 to M/s BTPP, Korkrajhar, Assam.

WHEREAS, vide letter dated 23.08.2018, 29.08.2018 and 12.09.2018 M/s BTPP has submitted the status of compliance for Unit-1 informing compliance of new norms by using improved quality coal and requested to revoke closure direction for Unit-1.

WHEREAS, a meeting of the three-member committee constituted for examination and recommendation for revocation of closure direction issued by CPCB was held on 27.09.2018 and in view of the above, the committee recommended that the closure direction issued to M/s BTPP (Unit-1) may be revoked subject to the condition that Plant shall submit stack emission analysis report from EPA recognised lab on monthly basis till complete installation of FGD.

h.w.g

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 above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, closure direction issued on 13.08.2018 to M/s Bongaigaon Thermal Power Project (BTPP), NTPC Ltd, Kokrajhar, Assam is hereby revoked for Unit-1 only, subject to compliance of the following condition:

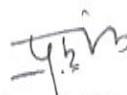
1. That Plant shall submit stack emission analysis report from EPA recognised lab on monthly basis till complete installation of FGD.

However, any expansion of the existing project shall be intimated to CPCB and Assam SPCB and applicability and scope of the installation of OCEMS and compliance of EC & CTO condition will be subjected to proposed expansion activities.

  
(S.P.S. Parihar)  
Chairman

**Copy to:**

1. The Chairman  
Pollution Control Board- Assam,  
Bamunimaidam, Guwahati - 781 021,  
Assam
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-East,  
Central Pollution Control Board  
"TUM-SIR", Lower Motinagar  
Near Fire Brigade H.Q., Shillong - 793 014
4. The Divisional Head - IT, CPCB
5. The Divisional Head - IPC-VI, CPCB

  
(Prashant Gargava)  
Member Secretary