

BY REGISTERED AD

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October 16, 2017

To

~~General Manager  
Unchahar Thermal Power Station  
NTPC Ltd. Unchahar  
Dist Allahabad, UP~~

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 – confirmation 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. Feroj Gandhi Unchahar Thermal Power Station, NTPC Ltd. for installation of online emission & effluent monitoring systems for PM, SO<sub>2</sub>, NO<sub>x</sub> & pH, TSS, Temp. & flow parameters and submission of the status.

WHEREAS, M/s Feroj Gandhi Unchahar Thermal Power Station, NTPC Ltd. has installed OCEMS in all the units and provided connectivity to CPCB server. However, emission of PM was found exceeding the limit of 150 mg/Nm<sup>3</sup> based on the SMS alert generated during the period of April 15 -May 15, 2017.

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from Regional Directorate, North carried out an inspection of M/s Unchahar Thermal Power Station (FG UTPS), NTPC Ltd on August 16, 2017. The team made following observations:

1. Hazardous Waste Authorization has expired on 12.07.2017 and as reported by FGUTPS, it has applied for renewal of authorisation on 12.06.2017.
2. M/s FGUTPS has installed and provided connectivity of online Continuous Emission Monitoring Systems for all 5 units for PM, SO<sub>2</sub>, NO<sub>x</sub> parameters. The plant has also installed online effluent monitoring system and connected to CPCB server.
3. The concentration of PM in Unit-2 was observed to be 86.4 mg/Nm<sup>3</sup> against the standard of 150 mg/Nm<sup>3</sup> during manual monitoring. The SMS alerts for exceedance of PM limit in unit 2 were due to R&M of the unit. The same has been attended.
4. Waste water generated by the industry is partially treated through ETP. The treated water is completely recycled for making ash slurry, sprinkling, fire-fighting etc. However, the untreated effluent of unit is discharged through industry main drain into Ahiyari Drain, which ultimately meets with River Ganga after traversing approx. 16 Km. It was reported that the Plant is proposed to install ZLD system.



5. The concentration of pH-7.71, TSS- 47.6 mg/l, BOD- 2.3 mg/l, COD- 5.9 mg/l and O&G- BDL in the sample collected from the industry drain were within the prescribed limit of respective parameter. The online monitoring values were also observed to be within the limit except TSS- 1012.5 mg/l. The value recorded by TSS analyser was too high.
6. The STP outlet was covered with shrubs and not assessable to collect the sample from STP outlet.
7. M/s NTPC Unchahar has 02 Ash Dykes located at Arkha Village and Umran Village. The industry has installed Ash Water Recirculation System (AWRS) at Umran Ash Dyke only. On the day of visit, ash slurry was disposed in Umran Ash Dyke. There was no ash slurry disposal and overflow from Arkha ash dyke.
8. The approach road to ash dykes is not proper and needs improvement. Plantation needs to be done on the filled in ash dyke area so as to prevent fugitive dust emission.
9. Used chemical containing containers were found stored in open place. The industry has not maintained log book and not submitted annual returns of hazardous waste generation to UPPCB, which is in violation of the HW Rule, 2016.

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 Unchahar Thermal Power Station of NTPC Ltd. directed to comply the following directions:

1. M/s FGUTPS shall ensure renewal of authorisation under HWM rules 2016, modification in consents to include all units within two months and shall maintain proper records and submit annual returns of hazardous waste generation to UPPCB.
2. That M/s FGUTPS shall improve up keeping and O&M of STP and shall ensure no effluent is discharged directly or indirectly to river Ganga.
3. That M/s FGUTPS shall submit an action plan within 15 days to recycle and reuse entire waste water and achieve zero discharge.
4. That FGUTPS shall submit an action plan within 15 days to provide ash water recirculation system at Arkha ash dyke.
5. M/s FGUTPS shall construct road leading to ash pond to provide easy access to ash dykes and shall develop green cover over the exhausted portion of ash dyke so as to prevent fugitive dust emission.
6. M/s FGUTPS shall clear shrubs in around STP and provide clear access for inspection and drawing the samples.

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M/s FGUTPS of NTPC Ltd. shall submit ATR within one month from the date of issue of the notice. In case of failure to comply with the said directions necessary action as deemed fit under the provision of the Environment (Protection) Act 1986 will be taken by CPCB.

(S.P.S. Parihar)  
Chairman

Copy to:

1. Member Secretary  
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4.  Divisional Head-, IT, CPCB
5. Divisional head-IPC-VI

28/02/2016  
(A S. S. Parihar)  
Member Secretary