

E-mail/ SPEED POST

CPCB-B 33014/323/2019/IPC-II/

February 19, 2019

To

M/s. TATA Steel Ltd.,  
Kalinga Nagar Industrial Complex,  
Duburi, Jajpur,  
Odisha.

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 –Notice thereof.**

WHEREAS, integrated iron and steel plants and sponge iron units are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality;

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed there under;

WHEREAS, there is need to inculcate habit of self-monitoring within the industries for complying with the prescribed standards and this can be achieved by the methods like installing online effluent and emission monitoring devices;

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online source emission and effluent monitoring systems need to be installed and operated by the industries on 'polluter pays principle';

WHEREAS, a direction under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring system w.r.t. PM and SO<sub>2</sub> parameters & online effluent monitoring system w.r.t. pH, flow, BOD, COD and TSS in iron & steel industries;

WHEREAS, considering the requests/ representations received from industries/ industrial associations/ SPCBs / PCCs, an extension of time up to June 30, 2015 for installation of online monitoring systems was granted vide directions dated March 02, 2015 under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981;

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M/s. TATA Steel Ltd., KNIC, Duburi, Jajpur, Odisha

WHEREAS, concerned SPCB/ PCC issued directions under section 33A of the Water (Prevention & Control of Pollution) Act, 1974 and section 31A of the Air (Prevention & Control of Pollution) Act, 1981 to install the online monitoring system by June 30, 2015 and submit bank guarantee of 100% of the cost of online emission & effluent monitoring system;

WHEREAS, the unit was inspected by CPCB - Regional Directorate (Kolkata) during 02.01.2019 to 03.01.2019 view of large number of SMS alerts generated due to exceedance of PM emission standard during 15.9.2018 – 15.10.2018 and following shortcomings are observed:

- PM analysers for Blast Furnace Stove, COB batteries, Rolling Mills and CPPs and PM, SOx analysers for GCP are not connected with the CPCB server as per CPCB guidelines and as per IT report dated 29.01.2019 (copy enclosed).
- Emission Control System (ECS) adequacy of CPP and Sinter Plant (SP) has been accessed w.r.t. PM and SOx emission respectively. SOx emission were found BDL in case of both the plants. However, PM emission were found 27 mg/Nm<sup>3</sup> in CPP (below the prescribed limit 50 mg/Nm<sup>3</sup>) and 66 mg/Nm<sup>3</sup> in SP respectively. **The PM emission from the Sinter Plant (66 mg/Nm<sup>3</sup>) exceeding the limit of 50 mg/Nm<sup>3</sup> stipulated by SPCB.**
- **OCEMS needs to be calibrated, maintained and records shall be kept properly.**
- For manual monitoring water sample collected from BOD plant outlet, CETP outlet and industry outfall and pH (6.5-8.0), BOD (30 mg/Nm<sup>3</sup>), COD (250 mg/Nm<sup>3</sup>), TSS [(100 mg/Nm<sup>3</sup>) except for Blast Furnace and i.e. 50 mg/Nm<sup>3</sup> in MoEFCC notification], O&G (10 mg/Nm<sup>3</sup>), CN (0.2 mg/Nm<sup>3</sup>) and Phenol (1 mg/Nm<sup>3</sup>) were analysed w.r.t. mentioned notified standard. **It is observed that the value of pH and cyanide (CN) in the CETP outlet were 9.86 and 0.23 mg/Nm<sup>3</sup> (against the stipulated standard 6.0-8.5 and 0.2 mg/Nm<sup>3</sup> respectively for BOD outlet).**
- **Unit discharges its seepage waste water of shallow land into local drain that meets distant nalla named Gonda Nalla, whereas no discharge is allowed as per consent.**
- RO rejects were used for gardening and flushing purpose. Manual water sprinkling facilities are available for suppressing road dust during vehicular movements. No cameras are installed to monitor total effluent reuse/ recycle conditions.

WHEREAS, in view of above and CPCB IT report dated 29.01.2019 it is observed that unit is non-compliant in reference to emission / effluent standard compliance and CEMS connectivity.

WHEREAS, the 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 M/s. TATA Steel Ltd., KNIC, Duburi, Jajpur, Odisha is hereby directed to show cause as to why the operation of the unit should not be closed down if the unit is not complying with the above shortcomings and the time bound specific ATR in this respect is not submitted by the unit within 15 days

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The unit M/s. TATA Steel Ltd., KNIC, Duburi, Jajpur, Odisha is given an opportunity to submit its response within 15 days with time bound specific ATR. Failure to comply with the above directions will attract action in accordance with the provision of the Environment (Protection) Act, 1986 without further notice.



(S.P. Singh Parihar)  
Chairman

Copy to:

1. **The Additional Secretary, CP Division**  
Ministry of Environment, Forests and Climate Change  
Prithvi Wing, Indira Paryavaran Bhawan,  
Jor Bagh Road,  
New Delhi – 110003

For information please.

2. **The Chairman**  
Odisha Pollution Control Board  
A-118, Nilakanta Nagar, Unit – VIII  
Bhubaneswar – 751012

With a request to ensure compliance of this direction & to submit action taken report.

3. **The Regional Director (East)**  
CPCB, Southend Conclave, Block 502, 5th & 6th  
Floors, 1582, Rajdanga Main Road,  
Kolkata-700107.

For information please.

4. **The Divisional Head, IPC VI Division,**  
CPCB, Delh.

5. **The Divisional Head, IT Division,**  
CPCB, Delh.



(Prashant Gargava)  
Member Secretary



