



SPEED POST

CPCB-B 33014/18/2018/IPC-II/

September 26, 2018

To

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M/s Anindita Steels Ltd.  
Senegarha, Rabodh,  
Hazaribagh, Jharkhand.

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

Ref.:

Letter No. CPCB-B-33014/18(ironSteel)/2017/IPC-II/12239, dated 20.10.2017.

Letter No. CPCB-B 33014/18(IronSteel)/2017/IPC-II/17875, dated 23.02.2018

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; and

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; and

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; and

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'; and

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; and

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; and

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; and

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M/s Anindita Steels Ltd. Hazaribagh, Jharkhand

WHEREAS, during monthly verifications of OCEMS data by the CPCB IT division it was observed that the unit remained one of the top non-complying units with respect to exceedance SMS alerts/Offline status during January to February 2017; and

WHEREAS, in view of above the unit was inspected by CPCB - Regional Directorate (Kolkata) on 23.08.2017 and observed the following shortcomings:

- (i) **Air Pollution Control Devices (ESPs)** are provided with all the Kilns but **found not operating properly**. Flue gas from Kilns 1 & 2 is not discharged through **the stack due to major damages / leakages in the duct line**. **Flue gas velocity** was monitored at Stack-1 (Kiln 1 & 2) and **found to be zero but online analyser displays a reading of 52 mg/Nm<sup>3</sup>** for PM and 20 ppm for SO<sub>2</sub> indicating improper function of online monitoring system also.
- (ii) **Particulate matter emission monitored at Stack-2 (connected to Kiln 3)** showed concentration of **9181 mg/Nm<sup>3</sup>** against consent standard of **100 mg/Nm<sup>3</sup>** indicating a severe air pollution. The **online analyser for PM was showing a reading of '000'**, indicating non-functioning of the online monitoring system.
- (iii) Jharkhand SPCB issued CTO under Water and Air Acts valid up to 31.03.2018 to manufacture Sponge Iron (4x 100 TPD) using Four (4) Kiln of 100 TPD capacity each. The Hazardous waste authorization is valid up to 30.09.2018. Kilns 1 & 3 were operational at the time of inspection.
- (iv) Wastewater collected in the centralized pit near the coal handling area is recycled back to the process.
- (v) There are two stacks attached to 4 kilns and as per IT Division Report dt 11.10.2017 both the stacks are connected online to CPCB server for monitoring PM and SO<sub>2</sub>. Flow meter and camera also installed at wastewater recirculation points.

WHEREAS, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s Anindita Steels Ltd. Senegarha, Rabodh, Hazaribagh, Jharkhand was issued closure directions (vide CPCB letter dated 20.10.2017) and directed that Industry shall be permitted to operate only after compliance of the following measures:

- (i) The unit shall replace the damaged flue gas duct line attached to Stack-1 (Kilns 1 & 2) and upgrade the existing air pollution control devices so as to channelize the flue gas through the stack and meet the prescribed emission standards.
- (ii) The unit shall upgrade the air pollution control device attached to Stack - 2 so as to meet the prescribed emission standards.
- (iii) The unit shall calibrate and operate the online emission monitoring analysers regularly so as to ensure proper data generation and maintain minimum difference between monitored and online measured values.

WHEREAS, in response to unit letter dated 22.11.2017, 18.12.2017, 22.12.2017 and 02.01.2018, CPCB vide letter No. CPCB-B-33014/18/2017/IPC-II/14587, dated 18.12.2017 and letter No. CPCB-B-33014/18(IronSteel)/2017/IPC-II/15868, dated 04.01.2018 to the unit for submission of compliance report along with a suitability / adequacy report from a Govt. Institution about Emission Control System (ECS) as well as ZLD and self-certificate on prescribed format.



WHEREAS, vide unit letter dated 22.11.2017 w.r.t. closure direction dated 20.10.2017 in which industry had undertaken that during compliance verification if the unit is found non-compliant unit accepts to close down the industry immediately and shall not operate till full compliance is achieved.

WHEREAS, unit submitted compliance letter dated 25.01.2018 along with adequacy assessment report issued by Industry Institute Partnership Cell, Jadavpur University, Chemical Engineering Dept. Kolkata, West Bengal, submitted by the unit.

WHEREAS, the case was put-up before three-member committee meeting held on 21.02.2018 at CPCB, Delhi and the three-member committee recommended the revocation of the aforesaid closure direction subject to the condition that CPCB shall carryout, compliance verification of the said unit under operational conditions within 45 days of starting operations and the Clousre Direction was revoked vide direction dated 23.02.2018.

WHEREAS, CPCB, RD- Kolkata re-inspected the unit on 19.06.2018 and submitted inspection / compliance verification report to this office.

WHEREAS, during re-verification it is observed that, the damaged flue gas line / ESPs attached to Stack-1 are repaired/ upgraded. However, the stack monitoring carried out during the said inspection~indicate the PM emission as 121 mg / Nm<sup>3</sup> and SO<sub>2</sub> emission as 259 mg/ Nm<sup>3</sup> respectively were is exceeding the SPCB standard 100 mg / Nm<sup>3</sup> prescribed in E.P.Rule, 1986.

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;

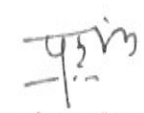
**NOW, THEREFORE**, in view of the above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s Anindita Steels Ltd. Senegarha, Rabodh, Hazaribagh, Jharkhand is hereby directed to close its operation with immediate effect and not restart until necessary corrective measures in APCD are taken so as to comply with the prescribed emission norms, and written permission from CPCB.

The unit M/s Anindita Steels Ltd. Senegarha, Rabodh, Hazaribagh, Jharkhand shall submit the compliance to these directions within 15 days. Failure to comply with the above directions will attract action in accordance with the provision of the Environment (Protection) Act, 1986.

  
[A.K. Mehta]  
Chairman

**Copy to:**

1. **The Chairman**  
Jharkhand State Pollution Control Board  
T.A. Bldg., HEC, P.O. Dhurwa,  
Ranchi - 834004. : With a request to ensure compliance  
of this direction & to submit action  
taken report.
2. **The District Magistrate**  
Hazaribagh, Jharkhand : With a request to ensure compliance  
of this direction & to submit action  
taken report
3. **The Chief Engineer (Commercial)**  
Jharkhand Bijli Vitran Nigam Ltd.  
Engineer's Building, Dhurwa  
Ranchi : With request to disconnect electricity  
w.r.t. operation of industry & power  
supply to continue only for domestic  
and security purpose.
4. **The Additional Secretary (AKM), CP Division**  
MOEFCC, Prithvi Wing, 2nd Floor, Room No. 216,  
Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 110003 : For information please.
5. **The Regional Director (East)**  
CPCB, Southend Conclave, Block 502, 5th &  
6th Floors, 1582  
Rajdanga Main Road,  
Kolkata-700107. : For information please.
6. **The Incharge, IT Division, CPCB, Delhi.**
7. **The Incharge, I/c IPC-VI CPCB, Delhi.**

  
[Prashant Gargava]  
Member Secretary

