



SPEED POST

CPCB-B 33014/101/2019/IPC-II/ 374

April 8, 2019

To

M/s Sen Ferro Alloys Pvt. Ltd.,
Vill- Dejudu, P.O. Urna-Jambedia
Dist.- Bankura, West Bengal

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

Ref:

1. CPCB letter No. CPCB-B 33014/101/2017/IPC-II/13844, dated 15.11.2017
2. CPCB letter No. CPCB-B 33014/101/2019/IPC-II/15157, dated 11.01.2019
3. Unit letter dated 08.12.2017, 21.12.2017, 10.01.2018, 05.02.2018, 23.02.2018, 05.04.2018 and 23.01.2019.

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 SO₂ 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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WHEREAS, during monthly verifications of CEMS data by the CPCB IT division it was observed that the unit remains one of the top non-complying units with respect to exceedance SMS alerts/Offline status during the period of July – August 2017; and
WHEREAS, the unit was inspected by CPCB - Regional Directorate (Kolkata) on 13.09.2017 to check the compliances and following observations have been made;

- Consent to operate is valid up to 30.4.2019 and the unit was in operation during the visit.
- **Hazardous Waste authorization** was valid till 31.12.2014 and **renewal** of the same **not obtained**.
- Installed one Rotary Kiln (50 TPD) but it is operating with only 20 TPD capacity presently.
- Huge quantities of raw materials (iron ore and dolomite), dolochar, fines, etc **are stored in an open area at many places without any cover and the general house-keeping is not satisfactory**.
- **No drainage facilities provided** to collect the surface runoff.
- Kiln is connected with ESP and stack. **Stack monitoring result showed that PM emission (7038 mg/Nm³) was far exceeding the prescribed limit (100 mg/Nm³), indicating the non-functioning of ESP. Emission/leakages from emergency cap and ducts were noticed. ESP dust is not collected properly and presently it is discharged in an open area and collected manually.**
- **Stack emission monitoring facilities (ladder, platform) are not adequate** and not provided as per CPCB guidelines (Emission Regulation Part-III).
- **Online stack monitoring system is not operational** and the service provider M/s. HNL System is unable to provide the service / maintenance of monitoring instruments.
- **Fugitive emission was observed from raw material handling section, cooler discharge points, belt conveyer transfer points, etc** and control measures are not available. It was informed that water is sprayed manually if required.
- **Roads inside the plant are not concreted or asphalted except admin building/weight bridge area** and water is sprayed manually as per requirement to control dust generation.
- Wastewater/Cooling water is collected in a collection pit and is reused in the process. **Sludge generated from the collection pit is stored nearby.**
- Dolochar produced from the process is stored inside the factory premises in shaded area and utilized by the local population for making coal briquettes.

WHEREAS discharge of emission far exceeding the standards possesses a serious threat to the environment.

WHEREAS, in view of above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s Sen Ferro Alloy Pvt. Ltd., Vill- Dejudu, P.O. Urna-Jambedia, Dist.- Bankura, West Bengal was directed to close all of its operation and unit will be permitted to operate only after compliance of the following measures:

- (i) The unit shall upgrade the existing Air Pollution Control Devices to ensure compliance of prescribed emission standards, proper collection/storage/ disposal of ESP dust and prevention of leakages in emergency caps / ducts.
- (ii) The unit shall provide stack monitoring facilities (ladder, monitoring platform, etc) as per CPCB guidelines (Emission Regulation Part-III).
- (iii) The unit shall make the online monitoring system operational regularly including proper servicing / maintenance and continuous data transmission to CPCB/SPCB servers.
- (iv) The unit shall obtain/renew the HW authorization from SPCB and collect/store/dispose HW as per authorization.

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- (v) The unit shall make adequate facilities for storage of raw materials, solid wastes, sludge, etc to ensure proper house-keeping.
- (vi) The unit shall provide adequate fugitive emission control measures (water sprinklers, concrete/asphalt roads, enclosure for conveyer belts, etc) wherever required to avoid generation of fugitive emission.
- (vii) The unit shall provide proper drainage collection system for storm water / surface runoff.

WHEREAS, in reference to aforesaid directions the unit has submitted replies and required documents vide letters dated 08.12.2017, 21.12.2017, 10.01.2018, 05.02.2018, 23.02.2018 and 05.04.2018 and accordingly CPCB has communicated to unit regarding required documents and fulfilments of compliance vide CPCB letters dated 18.12.2017, 01.01.2018, 29.01.2018, 13.2.2018, 21.03.2018, 16.04.2018 and 11.01.2019; and

WHEREAS, in response to CPCB letter dated 11.01.2019 unit has submitted the required Adequacy Assessment Report from Industry Institute Partnership Cell, Jadavpur University, Chemical Engineering Dept. Kolkata, West Bengal, vide letters dated 23.01.2019. The unit has already submitted the required self-certificate vide letter dated 10.01.2018; and

WHEREAS, the case was placed before Three-Member Committee meeting held on 19.03.2019 and 26.03.2019 at CPCB, Delhi and the Three-Member Committee recommended the case for revocation subject to condition that unit shall submit Performance Audit of ECS including emission analysis report within 60 days from the same Govt. Institute which has prepared the adequacy report; and

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; and

NOW, THEREFORE, in view of the above, the closure direction dated 15.11.2017 issued u/s 5 of the Environment (Protection) Act, 1986 to M/s Sen Ferro Alloys Pvt. Ltd., Vill-Dejudu, P.O. Urna-Jambedia, Dist.- Bankura, West Bengal is hereby revoked with the following conditions:

1. Unit shall get amendment in the consent in reference to zero liquid discharge (ZLD).
2. Unit shall submit the Performance Assessment of the APCD/ ECS from the same Govt. Institute which has prepared the adequacy report including analysis report of emission within 60 days.
3. The industry shall operate with valid consent under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, & Authorization under H&OW (M&TSM) Rules, 2016 and submit the same to CPCB within 60 days.



However, any expansion of the existing project in future shall be intimated to CPCB/ SPCB and applicability / scope of the installation of OCEMS will be subjected to further verification. In case of non-compliance, appropriate action as deemed fit under the provisions of Environment (Protection) Act, 1986 will be intimated against the unit without any further notice.

[Signature]
[S.P.Singh Parihar]
Chairman *[Signature]*

Copy to:

1. The Additional Secretary, CP Division
MoEF&CC, Prithvi Wing,
Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
2. The Chairman
West Bengal Pollution Control Board
Paribesh Bhavan, 10A, Block-L.A., Sector III,
Salt Lake City, Calcutta - 700 106
3. The District Magistrate
Bankura, West Bengal.
4. The Chief Engineer (Commercial)
West Bengal State Electricity Distribution
Company Limited, Bidyut Bhaban, Block-DJ,
Sector-II, Salt Lake City, Kolkata-700091,
West Bengal.
5. The Regional Director (East)
CPCB, Southend Conclave, Block 502, 5th &
6th Floors, 1582, Rajdanga Main Road,
Kolkata-700107.
- ~~6.~~ The Incharge, IT Division, CPCB, Delhi.
7. The Incharge, I/c IPC-VI CPCB, Delhi.

[Signature]
[P. Gargava]
Member Secretary