



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

SPEED POST

CPCB-B 33014/295A/2018/IPC-II/ 14424

December 18, 2018

To

M/s. Thakur Prasad Sao & Sons Pvt Ltd. (Unit-IV),
Lahandabud, P.O. H. Kantapali,
Dist Jharsuguda, Odisha – 768202.

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

Ref: CPCB letter No. CPCB-B 33014/295A/2018//IPC-II/10006, dated 17.08.2018.

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;

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 SO₂ 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

Wg

M/s. Thakur Prasad Sao & Sons Pvt Ltd., (Unit-IV) Lahandabud, P.O. H. Kantapali, Dist Jharsuguda, Odisha

1of4

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

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;

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) on July 18, 2018 in view of large number of SMS alerts generated due to exceedance of PM emission standard during 15.5.2018 – 15.6.2018 and made the following observations:

- CTO under Water / Air Acts and HW authorization are valid upto 31.3.2019 to manufacture/produce DRI, Billets, TMT Bar and power using Kiln (350 TPD), WHRB (8 MW), AFBC Boiler (4 MW) and Induction furnace (32 T/heat).
- Iron ore, Coal and dolomite are the major raw materials used in the process.
- Fresh water is sourced from river & rain water harvesting ponds and water requirement is about 250 m³/hour.
- During inspection, the DRI unit was under shutdown due to non-availability of raw materials and only AFBC boiler and induction furnace were in operation.
- Stack monitoring was not done as the existing port-holes are used for fixing probes of online monitoring system and hence the unit needs to provide port hole/stack monitoring facilities as per CPCB emission regulation Part-III.
- The unit informed that online system installed in the Boiler was giving faulty data due to malfunctioning of data card which was rectified on 11.7.2018 and now the OCEMS is working satisfactory. As per IT Div. report dated 31 July 2018, the unit provided OCEMS in the stacks of Kiln and AFBC boiler as per CPCB guidelines.
- HW generated from DM plant (spent catalyst & spent resin) is kept in a concrete pit covered with Tin shed. MOU with TSDF is under process.

WHEREAS, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s. Thakur Prasad Sao & Sons Pvt Ltd., (Unit-IV) has directed to show-cause why the unit should not be closed till stack monitoring facility is provided in all the stacks as per CPCB emission regulation Part-III to carry out manual monitoring at the time of inspection.

WHEREAS, the unit submitted compliance status vide letters dated 06.09.2018 and 24.09.2018.

WHEREAS, CPCB-RD-Kolkata re-inspected the unit on 29.10.2018 and verify the compliance and observed following shortcomings:



- Unit inspected under operational conditions except rolling mill. Consent and HW Authorization are valid up to 31.03.2019 and consented for sponge iron Kiln-I (1x350 TPD), power plant (8 MW WHRB + 4 MW AFBC), induction furnace 4x8 T/H, coal washery (150 THP) with 5.76 LTPA (washed coal), TMT Bar (from oil fired rolling mill) 1 LTPA and producer gas 6000 Nm³/Hr. As per Consent effluent discharge limit is nil.
- ETP was found adequate and operational. Water pre-treatment plant and DM plant were exist and water sourced from IB river and 04 nos water harvesting ponds and requirement is about 250 m³/Hr.
- Manual monitoring facilities has been provided in all the stacks and manual monitoring was performed in the stacks attached with DRI kiln + WHRB and AFBC plant.
- Further, manual stack emission analysis report suggests **PM emission values are 26 mg/Nm³ and 121 mg/Nm³** in stack-1 (DRI kiln + WHRB) and stack-2 (AFBC) respectively against the stipulated consented limit 100 and 50 mg/Nm³ respectively. Further, SO₂ emission values found 218 mg/Nm³ and 325 mg/Nm³ respectively in these said stacks respectively. However, SPCB has not prescribed any specific limit for SO₂ emission for DRI kiln in the consent. However, SO₂ emission from AFBC related stack are compiled w.r.t. stipulated consented limit 600 mg/Nm³.
- During inspection APCD were operational. **However, ECS (of AFBC) requires repairing and upgradation.**
- Large differences were observed between AFBC-CEMS PM results (32.68 mg/Nm³) with manual monitoring results (121 mg/Nm³) indicating inadequacy in calibration and maintenance of CEMS.
- MOU with TSDF is under process and required to submit in CPCB.
- Huge fugitive emissions observed throughout the plant and in open storage area.
- Housekeeping is very poor.

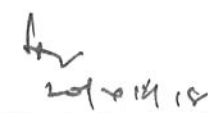
WHEREAS, the Ministry of Environment & Forests, Government of India, vide Notifications No. S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control 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. Thakur Prasad Sao & Sons Pvt Ltd., (Unit-IV) Lahandabud, P.O. H. Kantapali, Dist Jharsuguda, Odisha is hereby directed to show cause as to




why the operation of AFBC be not closed till ECS of AFBC is improved so as to comply with prescribed standards.

The unit M/s. Thakur Prasad Sao & Sons Pvt Ltd., (Unit-IV) Lahandabud, P.O. H. Kantapali, Dist Jharsuguda, Odisha is given an opportunity to submit its response within 15 days, failing which action in accordance with the provision of the Environment (Protection) Act, 1986.


20/10/14
(S.P. Singh Parihar)
Chairman

Copy to:

1. **The Additional Secretary (AKM), CP Division** : For information please.
MOEFCC, Prithvi Wing,
2nd Floor, Room No. 216,
Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi – 110003
2. **The Chairman** : With a request to ensure compliance
Odisha Pollution Control Board of this direction & to submit action
A-118, Nilakanta Nagar, Unit – VIII taken report.
Bhubaneswar – 751012
3. **The Regional Director (East)** : For information please.
CPCB, Southend Conclave, Block 502, 5th
& 6th Floors, 1582, Rajdanga Main Road,
Kolkata-700107.
4. **The Divisional Head, IPC VI Division,**
CPCB, Delh.
- ✓ 5. **The Divisional Head, IT Division,**
CPCB, Delh.


(Prashant Gargava)
Member Secretary