



SPEED POST

CPCB-B 33014/46/2017/IPC-II/ 5832

June 06, 2018

To

M/s Chaliyama Steel Plant (Rungta Mines Ltd),
PO – Keshargadia, Dt-Saraikela-Kharsawa,
Chaibasa, Jharkhand – 833201.

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

Ref.:

1. CPCB Letter No. CPCB-B-33014/46(IronSteel)/2017/IPC-II/12238, dt. 20.10.2017.
2. Industry reply No. RML/CSP/CPCB/17-18/2817, dt. 13.11.2017 and 20.12.2017.

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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M/s Chaliyama Steel Plant (Rungta Mines Ltd), Dt-Saraikela-Kharsawa, Chaibasa, Jharkhand – 833201

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WHEREAS, during monthly verifications of OCEMS 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 March – April 2017; and

WHEREAS, the unit was inspected by CPCB - Regional Directorate (Kolkata) on 22.08.2017. Manual monitoring of stack emission could not be done due to absence of additional port hole in stacks and based on observed shortcomings Show Cause Notice was issued to the unit, vide letter dated 20.10.2017; and

WHEREAS, the unit has submitted compliance report w.r.t. aforesaid Show Cause Notice vide unit communication dated 13.11.2017 and 20.12.2017;

WHEREAS, CPCB, RD-Kolkata re-inspected the unit for compliance verification on 15/16.05.2018 and observations are as follows:

- The unit has 08 no. DRI Kiln, 04 No. Induction Furnace, 01 no. AFBC boiler and facilities for 16667 MT/ Month rolled products. During inspection DRI Kiln 6 & 7 was under shut-down.
- The Hazardous Waste Authorization is valid up to 10.11.2022. Unit has two consents, one is valid up to 31.03.2020 for sponge iron (7x100TPD); 39 MW CPP (WHRB 7x 2 MW + 25 MW AFBC); and 2,00,000 TPA finished steel products. The other CTO are for Rolled products- 16667 MT/ Month, DRI- 2500MT/ month (DRI Kiln no.8) and was expired on 31.03.2018. Unit has submitted a renewal application for renewal of its second CTO.
- As reported, DRI Kiln-8th is connected with WHRB and opens at stack-4 (common chimney) with DRI Kiln-7.
- Manual monitoring was carried out at stack no. 2 (connected with DRI Kiln 3 & 4) & stack no. 5 (connected with 25 MW AFBC boiler). In stack-5, the results of PM emission were **118 mg/Nm3 (online 20 mg/Nm3) against 100 mg / Nm3** and the SO2 emission results were 916 mg/ Nm3 (online 630 mg/Nm3). In stack-2, the results of PM emission were found 62 mg/Nm3 (online 77 mg/Nm3) against 100 mg / Nm3 and the SO2 emission results were 386 mg/ Nm3 (online 206 mg/Nm3). ECS was operational at the time of inspection, however, ECS is not adequate w.r.t. stack-5.
- Huge fugitive emission was observed and housekeeping was very poor.
- Floated oil was observed in the settling tank of rolling mill section.
- As reported, industry adopted ZLD system and have no ETP. However, unit has DM plant with neutralization pit and CEMS installed/ connected from neutralization pit. Settling tank used at DRI and Rolling mill section for re-cycling of water for cooling purpose.
- The char generated in the process are fully utilized in AFBC boiler and fly ash disposed at brick kiln.

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 exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s Chaliyama Steel Plant (Rungta Mines Ltd.), PO– Keshargadia, Dt-Saraikela-Kharsawa, Chaibasa, Jharkhand hereby re-directed to show cause why the operation of unit be not closed unless the unit comply with the followings:

1. The industry shall obtain renewed consent for DRI Kiln 8 and production of 16667 MT/ month Rolled product.

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2. The unit shall upgrade and operate/maintain air pollution control devices of AFBC boiler so as to meet the prescribed emission standards and test report of EP recognized laboratory is submitted as documentary evidence in this regard.
3. The unit shall provide fugitive emission control measures at the material loading / unloading points and improve housekeeping, as the general housekeeping is poor.
4. The unit shall maintain online effluent and emission monitoring analyzers with regular calibration and maintenance and ensure continuous online connectivity / re-producible real-time data transmission to CPCB server.

The unit M/s Chaliyama Steel Plant (Rungta Mines Ltd), Chaibasa, Jharkhand shall submit the reply and action plan for compliance within 15 days from the issue of this letter. Failure to comply with the above directions will attract action in accordance with the provision of the Environment (Protection) Act, 1986.


[S.P. Singh Parihar]
Chairman

Copy to:

1. The Chairman,
Jharkhand State Pollution Control Board,
HEC Complex, Dhurwa,
Ranchi 834004.
2. The Additional Secretary (AKM)-CP Division, MOEFCC,
Prithvi Wing, 2nd Floor, Room No. 216, Indira Paryavaran
Bhawan,
Jor Bagh Road, New Delhi – 110003.
3. **The Regional Director (East),**
Central Pollution Control Board,
502 Southend Conclave,
1582 Rajdanga Main Road,
Kolkata 700107.
4. The Div. Head,
IT Division, CPCB, Delhi
5. The Div. Head,
IPC-VI, CPCB, Delhi.

: With a request to ensure
compliance of this direction.


A. Sudhakar]
Member Secretary