



SPEED POST

CPCB-B 33014/30(IronSteel)/2018/IPC-II/ 3108

June 22, 2018

To

M/s. Jai Balaji Industries Ltd (Formerly HEG Ltd.),
Borai Industrial Growth Centre, Rasmada,
Durg-491009, Chhattisgarh.

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

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 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 issued closure direction on 26.4.2017 for non-compliance of directions issued w.r.t installation of online effluent and emission monitoring system and the closure direction was revoked on 23.1.2018 in view of the installation/connectivity of the online effluent and emission monitoring system and the disposal of WP (C) No. 27 of 2018 on 11.01.2018 by the Hon'ble High Court of Chhattisgarh;

WHEREAS, a public complaint was received against the industry from Shri Praveen Kumar Tiwari, Ganjpara, Durg regarding gross violation of environmental norms and the same was investigated/report submitted by the Chhattisgarh Environment Conservation Board;

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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;

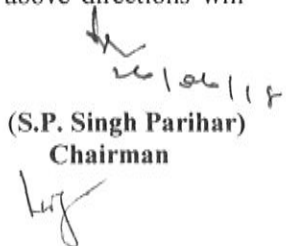
WHEREAS, the unit was inspected by CPCB - Regional Directorate (Bhopal) during 27-28 April 2018 and made the following salient observations:

- (i) Products manufactured are Sponge Iron (120,000 TPA), MS billets (100,000 TPA) and Power generation - WHRB (12.8 MW). The main raw materials are Iron ore, coal and dolomite.
- (ii) CTO is valid up to 31.12.2018 for Sponge Iron and MS billets and upto 31.1.2019 for WHRB. HW authorization is valid up to 11/11/2018.
- (iii) Fresh Water consumption is about 2050 m³/day and wastewater generation is about 333 m³/day. The entire wastewater is collected in neutralization pit and used for dust suppression and gardening purpose.
- (iv) Sponge iron and captive power plant were in operation at the time of inspection except induction furnaces which were closed due to less demand.
- (v) There are 4 stacks attached to three Kilns and AFBC boiler (WHRB) with APCDs such as ESPs and Wet scrubber with cyclone separator to control air emission. In steel melting shop, suction hood is provided covering all charging points of furnaces and connected to bag filter and stack.
- (vi) During inspection, emission levels of PM (Kiln 1 = 32 mg/Nm³, Kiln 2 = 42 mg/Nm³, Kiln 3 = 44 mg/Nm³, CPP = 28 mg/Nm³), SO₂ (Kiln 1 = 92 mg/Nm³, Kiln 2 = 79 mg/Nm³, Kiln 3 = 77 mg/Nm³, CPP = 149 mg/Nm³) and NO₂ (CPP = 75 mg/Nm³) were monitored and values were meeting the prescribed standards.
- (vii) Fugitive emission levels were monitored at four locations, i.e. RMH near weigh bridge (1236 ug/m³), Cooler discharge area of Kiln-1 (1603 ug/m³), Ash silo area of AFBC (1378 ug/m³) and Product separation area (2208 ug/m³) and the values were meeting the prescribed standard of 2000 ug/m³ except at Product separation area. Paved road in main process area and weigh bridge area and water sprinkling system at RMH points are provided to control fugitive emission.
- (viii) Separate silos are provided for collection of flue dust / fly ash and are used in brick manufacturing or land filling. Part of Char or dolochar is used in AFBC boiler and the balance is sold to outside users.
- (ix) Sufficient green belt area in front of the plant and near kiln and Admn buildings are developed but more plantation required to arrest the dispersion of dust to outside the plant area.
- (x) General housekeeping needs improvement particularly in raw material handling and intermediate storage bins areas, ore crusher area, product separation area, cooler discharge area.
- (xi) The unit installed online emission monitoring system and camera and connected the same to CPCB server and were found in operating at the time of visit.

NOW, THEREFORE, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 you are directed to compiling the following:

- (i) To take necessary measure and ensure proper operation and maintenance of APCDs to reduce fugitive emission and submit monitoring report from Environment (Protection) Act, recognized laboratory as documentary evidence.
- (ii) To improve house-keeping in ash silo area, product separation area, cooler discharge areas, etc and remove accumulated dust to control fugitive emission.

The unit M/s. Jai Balaji Industries Ltd (Formerly HEG Ltd.), Chhattisgarh shall submit the compliance report within 1 month for the above directions. Failure to comply with the above directions will attract actions in accordance with the provision of the Environment (Protection) Act, 1986.


(S.P. Singh Parihar)
Chairman

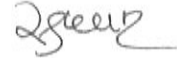
Copy to:

1. The Chairman
Chhattisgarh Environment Conservation Board,
Commercial Complex,
Chhattisgarh Housing Board Colony,
Kabir Nagar, Raipur (C.G) 492099,
2. The Joint Secretary (CP Division)
Ministry of Environment, Forests & Climate Change
Prithvi Wing, 2nd Floor, Room No. 216,
Indira Paryavaran Bhawan,
Jor Bagh Road,
New Delhi - 110003
3. The Regional Director (Central)
Central Pollution Control Board,
4th Floor, Sahkar Bhawan,
North T.T. Nagar,
Bhopal - 462003.
- ✓ 4. The Divisional Head IT Division, CPCB, Delhi.

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

: For information please.

: For information please.



(A. Sudhakar)
Member Secretary

