



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

EMAIL & SPEED POST

CP-14/26/2024-IPC-II-HO-CPCB-HO 1942

May 28, 2024

To

M/s Jindal Steel & Power Limited
Post Box 16, Kharsia Road,
Raigarh, Chhattisgarh - 496001

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Jindal Steel & Power Limited, Raigarh, Chhattisgarh - reg.

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 thereunder; and

WHEREAS, there is need to promote self-regulation and self-promotion 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, 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 Continuous Emission & Effluent Monitoring Systems (OCEMS) w.r.t. PM, SO₂, NO_x for emission parameters and pH, TSS, BOD, COD for effluent parameters in 17 categories of highly polluting industries including Integrated Iron & Steel Plant; and

WHEREAS, M/s Jindal Steel & Power Limited, Raigarh, Chhattisgarh, has been inspected by a team of CPCB RD, Bhopal, on 11.03.2024 to 13.03.2024 under the environmental surveillance of 17 categories of high pollution potential industries and common facilities based on OCEMS data, in order to verify the environmental compliance and the status of OCEMS. The salient observations based on the inspection carried out by CPCB inspecting team are as below:

1. The Stack monitoring was carried out for 18 stacks, including DRI, BF and SMS/EAF

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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

and the emission values of 16 stacks were found within the prescribed CTO standard of 50 mg/Nm³ while emission values for 2 stacks (WHRB 5&6 and SMS-III (EAF & LRF)) were found 61mg/Nm³ and 64 mg/Nm³ against CTO standard of 50 mg/Nm³ respectively.

2. It was observed during stack monitoring that the Unit has provided monkey ladder in stacks of Power plant -II i.e. AFBC 1&2 and AFBC 3&4 hence monitoring could not be performed due to safety concerns. In SMS-II also, LRF-2&3 stack was having partial monkey ladder hence monitoring work not performed.
3. The fugitive emissions monitoring was conducted at four locations. The PM concentration at DRI- 5 area was found to be 1833 µg/m³ against standard of 2000 µg/m³. The PM concentration at BF plant and SMS-II plant area was found to be 3131 µg/m³ and 1870 µg/m³ respectively against standard of 4000 µg/m³. The fugitive emission at RMH area found to be 4027 µg/m³.
4. Fugitive emissions were observed from SMS- II, BF-I, emergency cap of DRI- 3, 5 & 8, PSB area, prominent material transfer points, Steel Melt Shop- III(SMS-III), Blast Furnace-1 area, stock house of BF-II area, cast house, ladle repairing shop of blast furnace I area, charging point of Lime Dolo plant –II and during trembling of slag.
5. The CCTV camera is to be installed at suitable location on both sides of the coke oven with 24 X 7 recording of batteries emissions with minimum one month back-up facility, for the fulfilment of requirement of MoEF&CC OM dated 09.08.2018 on “Standardization of Environment Clearance conditions”.

WHEREAS, 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 the powers vested under Section 5 of the Environment (Protection) Act, 1986, the following directions are hereby issued to M/s Jindal Steel & Power Limited, Raigarh, Chhattisgarh:

1. The Unit shall implement all necessary measures to control stack emissions (particulate matter) in stacks of WHRB 5&6 and SMS-III (EAF & LRF), as emissions from these stacks were found to be 61mg/Nm³ and 64 mg/Nm³, respectively, against prescribed standard of 50 mg/Nm³.
2. The Unit shall install proper stack monitoring facility (in accordance to emission regulation Part-III) in power plant II stacks (AFBC 1&2 and AFBC 3&4) and SMS-II (LRF 2&3) stack.
3. The Unit shall take measures to control fugitive emissions observed from RMH, SMS-II, BF-I, emergency cap of DRI-3, 5 & 8, PSB area, prominent material transfer points, Steel Melt Shop-III(SMS-III), Blast Furnace-1 area, stock house of BF-II area, cast

hjk

house, ladle repairing shop of blast furnace I area, charging point of Lime Dolo plant – II and during trembling of slag.

4. The CCTV camera shall be installed at suitable location on both sides of the coke oven with 24 X 7 recording of batteries emissions with minimum one month back-up facility, for the fulfilment of requirement of MoEF&CC OM dated 09.08.2018 on “Standardization of Environment Clearance conditions”.

M/s Jindal Steel & Power Limited, Raigarh, Chhattisgarh, shall ensure compliance of the above directions and submit compliance report within 30 days from the date of issue of the directions. In case of failure, the Board will be constrained to initiate action as deemed necessary and appropriate in the circumstances under the Environment (Protection) Act, 1986.

13/11/2018
(Tanmay Kumar)
Chairman
LKS

Copy to:

1. The Chairman,
Chhattisgarh Environment Conservation Board,
Paryavas Bhavan, North Block Sector-19,
Naya Raipur, Chhattisgarh- 492002
2. The Director (CP Division),
Ministry of Environment, Forest and Climate Change,
Indira Paryavaran Bhawan, Aliganj,
Jor Bagh Road, New Delhi – 110 003
3. The Regional Director,
Central Pollution Control Board,
Parivesh Bhawan, Paryavaran Parisar E-5,
Arera Colony, Bhopal-462016
4. The District Magistrate
VCQ4+V3H, Collector Marg,
Chandra Nagar Colony, Kelo Vihar,
Raigarh, Chhattisgarh 496001
5. The Divisional Head - II, CPCB HO
6. The Divisional Head – IPC VI, CPCB HO

LKS
(Bharat Kumar Sharma)
Member Secretary
LKS