



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

CPCB-B 33014/62 (iron&steel)/2017/IPC-II/

**SPEED POST**  
Sept. 05, 2017

To

M/s JSW Steel Limited  
Vijayanagar Works  
Vidyanagar, Bellary, Karnataka

**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; 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, Directions under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 were 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 SO<sub>2</sub> 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

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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

WHEREAS, during monthly verifications of Online Continuous Emission & Effluent Monitoring System (OCEMS) data by IT Division of CPCB Head Office at Delhi, it was observed that the unit remains non-complying with respect to exceedances in SMS alerts/Offline status during February to March 2017; 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

WHEREAS, the unit M/s JSW Steel Limited., Vijayanagar Works, Vidyanagar, Bellary, Karnataka was inspected by CPCB - Regional Directorate, Bengaluru during 30.05.2017 to 01.06.2017 and observed serious shortcomings with regard to pollution control practices being adopted by the industry; and

WHEREAS, there are a total of 155 stacks in the industry which are attached with Coke Oven Plant, Sintering Plant, Blast Furnace Plant, Steel Making Shop ( including Arc Furnaces and Induction Furnaces) and Rolling Mills as evident from the CTO issued to the industry by Karnataka State Pollution Control Board and as per Guidelines issued by CPCB on installation & connectivity of OCEMS, all the 155 Emitting stacks and all the effluent points were to be equipped with OCEMS for requisite parameters & connected with CPCB server by the timeline of 28.02.2017 which has been over long-back; and

WHEREAS, based on thorough examination and the connectivity status of OCEMS as provided by CPCB IT Division on 21.07.2017, it has been noticed that only 23 stacks for the parameter PM are connected with CPCB server and similarly only 1 effluent point for the parameters namely pH and flow, is connected with CPCB Server. None of the stacks in Coke Oven Plants and Blast Furnace Plants, is equipped & connected with online analysers for SO<sub>2</sub> and NO<sub>x</sub> ; and

NOW, THEREFORE, based on the observations made by CPCB inspection team and all material facts available with CPCB and in exercise of powers vested under Section-5 of the Environment (Protection) Act, 1986 to the Chairman, CPCB, following directions are hereby issued :

- CPW*
1. M/s JSW Steel Limited., Vijayanagar Works, Vidyanagar, Bellary, Karnataka is hereby directed to close down all the operations/production activities with immediate effect till Online Emission and Effluent monitoring systems are installed in all the remaining stacks/ outlet points with requisite parameters and uplinked with CPCB Server as per guidelines issued by CPCB.
  2. M/s JSW Steel Limited., Vijayanagar Works, Vidyanagar, Bellary, Karnataka shall initiate the corrective actions immediately in respect of the following short-falls and complete by 15.09.2017:

- i. Authorization under the H&OW( M&TBM) Rules, 2016 shall be obtained from KSPCB.
- ii. Plant-wise data on water consumption and wastewater generation shall be recorded and overall water balance of the integrated plant shall also be prepared and submitted to CPCB.
- iii. The flow meter and pH meter installed at the overflow channel below the railway culvert shall be relocated so as to avoid erroneous reading during rainy season as a result of mixing of surface run-off with industrial waste-water. Permanent overflow wear with V-notch arrangement shall be constructed.
- iv. Oil and grease trap at the inlet of Guard ponds shall be constructed.
- v. Overflow of water at Guard Pond 2 shall not be allowed without complying with the standards with particular regard to TDS and all necessary measures shall be taken at each plant to comply with the discharge standard of TDS.
- vi. All necessary measures shall be taken to keep proper housekeeping and dust free roads and to avoid re-suspension of road dust during truck movement / high wind.
- vii. Centralized collection / storage system with proper sheds and spillage collection pits shall be developed for management of hazardous wastes.
- viii. During the stack monitoring by CPCB team, it is observed that the industry is not complying with PM standard prescribed by KSPCB at the following locations;
  - a. Sinter Machine 2 ( Process ESP) – PM 55.6 mg/Nm<sup>3</sup> against 50 mg/Nm<sup>3</sup>
  - b. Sinter Machine 3 ( Process ESP2) – PM 167 mg/Nm<sup>3</sup> against 50 mg/Nm<sup>3</sup>
  - c. Sinter Machine 3 ( Process ESP1) – PM 105 mg/Nm<sup>3</sup> against 50 mg/Nm<sup>3</sup>
  - d. Sintering Plant 2 ( de-dusting unit) –PM 74.1 mg/Nm<sup>3</sup> against 50 mg/Nm<sup>3</sup>


The industry shall immediately undertake all the remedial measures including augmentation of ESP capacities to comply with PM emission standard at all the above locations including re-calibration of online analysers.

- ix. The unit shall install wind curtains covering three sides with sprinkling arrangement in Micro-Palletization Plant to avoid carry-over of dust and control of fugitive dust emission during handling of materials.
- x. All appropriate measures shall be taken by way of providing three side covers in the final product loading area to arrest fugitive dust. Free fall of material from the conveyer to the trucks directly shall be avoided at slag sand making plant to avoid fugitive emissions.
- xi. Conditions of overall housekeeping, waste storage and dust emissions in briquettes making plant shall be improved.
- xii. Torpedo Ladle Cars (TLC) shall be commissioned to reduce dust emissions during slag removal operation in the present system of vertical cone Ladle Heating Furnace (LHF) . Studies shall be undertaken to assess reduction in emission levels before and after implementation of Torpedo Ladle Cars at work area of LHF.



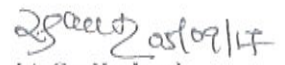
3. M/s JSW Steel Limited., Vijayanagar Works, Vidyanagar, Bellary, Karnataka shall not re-start its operation without written permission of CPCB.

M/s JSW Steel Limited., Vijayanagar Works, Vidyanagar, Bellary, Karnataka shall submit the action taken report for ensuring compliance of the directions and rectification of the short-falls as highlighted above within 15 days from the date of issue of these directions. Violation of the directions shall attract legal action including prosecution as per the provisions of the National Green Tribunal Act, 2010.

  
(S.P. S. Parihar)  
Chairman

Copy for kind information to:

1.	<b>The Chairman</b> Karnataka State Pollution Control Board "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore-560001	With request to ensure compliance of the directions & submit action taken report
2.	<b>The District Magistrate</b> District Collectorate Bellary, Karnataka -583101	With request to ensure compliance of the directions
3.	<b>The Chairman</b> Karnataka Power Transmission Corporation Limited, Corporate Office, Kaveri Bhawan, K.G. Road, Bengaluru - 560-009	With request to ensure compliance of the directions
4.	<b>The Additional Secretary (AKM)-CP Division</b> Ministry of Env. Forests & Climate Change, Indira Paryavaran Bhawan Aliganj, Jor Bagh Road, New Delhi - 110003	
5.	<b>The Regional Director (Bengaluru)</b> Central Pollution Control Board 1st & 2nd Floors, Nisarga Bhavan A-Block, Thimmaiah Main Road 7th D Cross, Shivanagar, Bengaluru -560 079	With request to ensure compliance of the directions
6. ✓	<b>The Divisional Head IT Division, CPCB, Delhi</b>	
7.	<b>The Divisional Head IPC - VI, CPCB, Delhi</b>	

  
[A Sudhakar]  
Member Secretary