



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)  
(MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)

SPEED POST  
November 08, 2017

CPCB-B 33014/305/2017/IPC-II/ 13526

To

M/s Steel Authority of India Ltd.,  
Visvesvariya Iron & Steel Ltd. (VISL),  
Various Sy No. of Vill Anehalli, Hutha, jannapura, Bullapura, Anekoppa & Ujjanipura  
Taluk Bhadrabati, Dist Shivamogga  
Karnataka 577301.

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

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 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

WHEREAS, during monthly verifications of OCEMS data by the CPCB IT division it is observed that the unit remains one of the top non-complying units with respect to exceedance SMS alerts/Offline status during June – July 2017; and

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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 (Bengaluru) on 23.08.2017 and made the following observations:

- (i) CTO is valid up to 30.06.2021 to manufacture Pig Iron (2,04,000 TPA), Mild Steel (32,200 TPA), Alloy & Special Steel (77,000 TPA), Steel Casting (5,400 TPA), Refractories (10,800 TPA), Special Steel Ingots (1,05,000 TPA) and M.S. Ingots (4,800 TPA).
- (ii) The major raw material is Iron ore and presently the unit operates intermittently due to raw material shortage, low efficiency of old technology, lack of work orders, etc. Blast furnace and steel melting shop were not in operation at the time of inspection and ETP associated with these operations was also not in operation. Only heat treatment plants were in operation partially.
- (iii) As per CTO, there are 35 emission outlets but only 3 stacks (heat treatment shop, new refractory unit and bar mill) are provided with online emission monitoring system. As per IT Div report dated 13.10.2017, only these three stacks are connected online for measurement of CO, NOx, SO2 and PM. Many other stacks on which OEEMS is required as per CPCB guidelines, including blast furnace, Electric Arc Furnace, Basic oxygen furnace, etc. it is yet to be installed/ connected.
- (iv) Out of 35 stacks, only 4 stacks are provided with air pollution control devices and emission standards were not mentioned in the CTO for many stacks.
- (v) ETP was not in operation at the time of inspection and effluent with algal growth observed in clarifier. The effluent is discharged into storm water drain which joins river Bhadra even though the unit should recycle the treated effluent for processes and other secondary uses as per CTO.
- (vi) Online effluent analysers installed for pH, TSS, BOD and COD measurement were found not working properly and need proper calibration. As per IT div report dated 13.10.2017, the online effluent monitoring system is yet to be connected to CPCB server.

NOW, THEREFORE; in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s Steel Authority of India Ltd., Visvesvariya Iron & Steel Ltd. (VISL), Taluk Bhadrabati, Dist Shivamogga, Karnataka are directed to not restart operations of all such processes on which OCEMS are required as per CPCB guidelines but are not yet installed. The unit is permitted to operate only operations related to Heat treatment plant, refractory plant and Bar mill reheating furnaces on which OCEMS have been installed. You shall be permitted to restart operation of other processes only after compliance of the following measures:

- The unit shall install online effluent and emission monitoring system in other stacks and effluent discharge points and connect to CPCB/SPCB servers as per CPCB guidelines.
- The unit shall install / operate necessary air pollution control devices in all emission outlets attached to various manufacturing processes.
- The unit shall calibrate / maintain the online emission and effluent analysers regularly so as to keep them in proper working condition.

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- The unit shall operate / maintain ETP properly and to ensure recycle/reuse of treated effluent as per CTO condition.
- SPCB shall prescribe emission parameters/standards for all stacks in the CTO as per notified standards.

The unit M/s Steel Authority of India Ltd., Visvesvariya Iron & Steel Ltd. (VISL), Taluk Bhadrabati, Dist Shivamogga, Karnataka shall submit the compliance within 15 days from the issue of these directions. The unit shall not restart operations of process on which OCEMS is not installed without written permission of CPCB. 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  
08/11/2017

**Copy to:**

1.	The Chairman, Karnataka State Pollution Control Board, "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore-560001	:With request to ensure compliance of this direction & to submit action taken report
2.	The District Magistrate, Dist Shivamogga, Karnataka	:With a request to ensure compliance of this direction & to submit action taken report
3.	The Joint Secretary (CP Division) MOEFCC, Prithvi Wing, 2nd Floor, Room No. 216 Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, New Delhi - 110003	: For information please.
4.	The Regional Director (Bengaluru) CPCB, 1st & 2nd Floors, Nisarga Bhavan A-Block, Thimmaiah Main Road 7th D Cross, Shivanagar, Bengaluru -560 079	: For information please.
5. ✓	The Divisional Head IT Division, CPCB, Delhi	
6.	The Divisional Head- IPC-VI, CPCB, Delhi	

[A. Sudhakar]  
Member Secretary