

Speed Post

HO/ISP/IPC2-116/2019/5671

August 16, 2019

To

M/s JSW Steel Ltd., Dolvi Project(s)  
(M/s JSW Steel Ltd. & M/s. Amba River Coke Ltd.)  
Geetapuram, Vill – Dolvi  
Tal – Pen, Dist. – Raigad  
Maharashtra

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 – Notice 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;

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 SO<sub>2</sub> parameters & online effluent monitoring system w.r.t. pH, flow, BOD, COD and TSS in iron & steel industries;

WHEREAS, considering the 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, 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 July to August' 2018; and

WHEREAS, the unit was inspected by CPCB - Regional Directorate (Vadodara) on 27.09.2018 to 28.09.2018. During inspection inspecting team was focussed on alerts generating stacks i.e. Tunnel Furnaces of Hot Strip Mills and CPPs (process gas based) and emission of monitored sources were found complying with the stipulated standards and following major observations / shortcomings are noted as follows:

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- In Tunnel Furnaces (1A, 1B, 2A and 2B) unit uses coal, RLNS, COG, FO, Coke and LDO as fuel as per CCA and for the said purpose CCA should be amended in reference to updating of SO2 standards and / or other standards.
- In CPP unit uses BF gas as permissible fuel (as per CCA) for the generation of power mixing with Coke Oven Gas due to its' high calorific value and approval in EC, vide MoEFCC letter dated 25.08.2015 that also should be amended in the CCA.
- Industry provided CEMS details and connectivity with the CPCB server is partial / incomplete and stacks and effluent outlets details are also not available. Further, analyser calibration are also not optimum.
- As per inspection report unit is using Coke Oven Gas as well as Coke in its Blast Furnace Gas based CPP boiler and in Tunnel Furnaces) respectively. Only PM analyser (CEMS) are installed in CPP stack and connected with CPCB server. The PM, SO2, NOx, CO, CO2, O2, Temperature and flow analyzers (CEMS) are installed in individual stack of tunnel furnaces and only PM and SO2 analyzer is connected with the CPCB server.

WHEREAS, in view of partial CEMS CPCB asked unit to provide information regarding consent details, stack details and CEMS connectivity vide letter dated 31.10.2018, 10.12.2018, 20.12.2018 and 05.03.2019 and the unit provided various information vide its letter dated 02.11.2018, 10.12.2018, 20.12.2018 and 18.03.2019; and

WHEREAS, vide MoEFCC, I.A. Division letter F. No. J-11011/76/2013-IA II (I), dated 25.08.2015 reflecting that M/s. JSW Steel Ltd., at Geethapuram, Dolvi is an Integrated Steel Plant expanding its capacity from 5 MTPA to 10 MTPA including Power Plant capacity from 300 MW to 600 MW (Gas based: [surplus gases of BF+COG] -RLNG) and Coke Oven including By-product plant from 2 MTPA to 4.5 MTPA; and

WHEREAS, vide Maharashtra PCB consent letter issued to M/s. Amba River Coke Ltd, Geethapuram, Dolvi bearing No. BO/CAC-Cell/UAN No. 0000024004-17/CAC-1803000008, dated 01.03.2018 reflecting that unit has total 4.5 MTPA dry coke project among which 1.0 MTPA consented under M/s. Amba River Coke Ltd, Dolvi and 3 MTPA facilities exists under Dolvi Coke Project Ltd; and

WHEREAS, in view of MoEFCC letter F. No. J-11011/76/2013-IA II (I), dated 25.08.2015 and Maharashtra PCB consent letter No. BO/CAC-Cell/UAN No. 0000024004-17/CAC-1803000008, dated 01.03.2018 collectively M/s JSW Steel Ltd., Dolvi Projects (M/s JSW Steel Ltd. & M/s. Amba River Coke Ltd.) are an Integrated Steel Plant having gas based DRI Mega Module including all routes of steel production; and

WHEREAS, as per MoEFCC letter dated 12.01.2009 EC has been granted to M/s. Geethapuram Coke Company Ltd (formerly M/s. Ispat Industries Ltd) for 1 MTPA proposed captive coke oven plant in view of already existing integrated steel plant at the site. Later the name and style of M/s. Geethapuram Coke Company Ltd. again changed into M/s. Amba River Coke Ltd., vide MoEFCC letter dated 02.02.2010. Further the aforesaid facts of 4.5 MTPA coke oven plant also reflected from the CTO of coke oven issued to M/s. Amba River Coke Ltd, Geethapuram, Dolvi; and

WHEREAS, in light of process details revealed by above it appears that the unit has provided incomplete details / partial information in reference to stacks, outlets and CEMS connectivity details vide letter dated 02.11.2018 and has still not provided consents of all processes for which EC have been issued. The unit has disclosed to have following main process stacks - Sponge Iron Plant (Direct Reduced Iron - Gas Based), Hot Strip Mill Plant -1 (SMSI, Caster & Mill with Tunnel Furnace), Blast Furnace 1, Sinter Plant 1, Sinter Plant 2, Lime Calcination Plant-3, 55 MW Captive Power Plant BF & COG Gas Based, Billet Caster, Bar Mill of M/s JSW Steel Ltd., Dolvi Project and Coke Oven Plant, Pellet Plant of M/s. Amba River Coke Ltd; and

WHEREAS, from the provided information it reveals that the unit has not provided emission related CEMS analysers at least in 18-TPH Boiler (PM, SO2, NOx not connected) of Hot Strip Mill Plant-1; Stove (PM, SO2 connected and NOx not connected), Stock House-2 (PM not connected), Cast House fume extraction system (PM not connected) and 16-TPH Boiler (PM, SO2, NOx not connected) of Blast Furnace-1; Boiler (PM, NOx connected and SO2 not connected) of 55-MW Captive Power; Main Stack (PM, SO2, NOx not connected) and Boiler (PM, SO2, NOx not connected) of aforesaid Coke Oven Plant and effluent related CEMS analysers are not

connected in the consented outlets as per guidelines except outlet of Cooling Tower Blow Down (Flow, pH, COD, BOD and TSS connected) of M/s. Amba River Coke Ltd. and

WHEREAS, comparing process details given in EC and partial CEMS details provided in unit's reply dated 02.11.2019, 10.12.2018, 20.12.2018 and 18.03.2019 and its RTDMS registration with the CPCB IT report dated 10.06.2019 (copy enclosed), it is observed that unit is partially compliant in reference to CEMS installation and connectivity as per CPCB guidelines w.r.t. M/s JSW Steel Ltd., Dolvi Projects (M/s JSW Steel Ltd. & M/s. Amba River Coke Ltd.); 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;

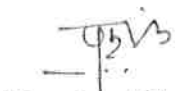
NOW, THEREFORE, in view of the above and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986 M/s JSW Steel Ltd., Dolvi Projects (M/s. JSW Steel Ltd. & M/s. Amba River Coke Ltd.), Geetapuram, Vill – Dolvi, Tal – Pen, Dist.–Raigad, Maharashtra is hereby directed to show cause why the operation of unit be not closed unless it complies with the above said observed shortcomings; and

The unit M/s JSW Steel Ltd., Dolvi Projects (M/s. JSW Steel Ltd. & M/s. Amba River Coke Ltd.), Geetapuram, Vill – Dolvi, Tal – Pen, Dist. – Raigad, Maharashtra shall submit its reply within 15 days from the date of issue of these directions. Failure to comply with the above directions will attract action in accordance with the provision of the Environment (Protection) Act, 1986.

  
[S. P. S Parihar]  
Chairman

Copy to:

1. The Joint Secretary (CP Division)  
Ministry of Environment, Forests and Climate Change  
Prithvi Wing, 2nd Floor, Room No. 216  
Indira Paryavaran Bhawan  
Aliganj, Jor Bagh Road, New Delhi – 110003
2. The Chairman  
Maharashtra Pollution Control Board  
Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> Floor,  
Opp. Cine Planet, Sion Circle, Mumbai – 400022
3. The Regional Directorate (West)  
Central Pollution Control Board  
Parivesh Bhawan,  
Opp. VMC Ward Office No. 10  
Subhanpura, Vadodara – 390023 (Gujarat)
4. The Divisional Head- IT, CPCB, Delhi
5. The Divisional Head- IPC-VI, CPCB, Delhi

  
[Prashant Gargava]  
Member Secretary