

**WEST BENGAL POLLUTION CONTROL BOARD**

( Department of Environment, Govt. of West Bengal )

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Memo No. 561-dr\_co\_s/11/1855

Date: 30/12/2019

**DIRECTION**

**WHEREAS, M/s. Jai Balaji Industries (Unit-IV)** [hereinafter referred to as the industry] located at **Banskopa, P.O. Rajbandh, Durgapur – 713212, Dist.- Paschim Bardhaman** is an integrated steel plant comprising of sponge iron section, coke oven section, sinter plant, ferro alloy and 85 MW captive power plant, The industry has 4X100 TPD DRI Kilns, 3X16 MVA Sub-merged Electric Arc Furnaces (SEAFs), 2 nos. Reheating Furnace, 6X15 Ton/heat Induction Furnaces with Concast and Rolling mills, 2X55m<sup>3</sup> Mini Blast Furnace (MBF), 1 no. coal washery, 1 no. Coke Over Plant [4X21 ovens (35 Ton/oven/day) Coke oven batteries], 1X85 TPH & 1X170 TPH CFBC Boilers and 4X10 TPH WHRBs (with DRI Kiln) and 2X42 TPH WHRBs (with Coke Oven). The DRI Kilns with 4 nos. WHRBs are provided with 2 field ESP and connected to two stacks of height 30m from G.L., 2 nos. SEAFs are connected to bag filter and a common stack and the other SEAF is connected to bag filter and a separate stack of height 40m from G.L., Coke Oven Plant with 2 WHRBs are provided with 2 field ESP and connected to two stacks of height 60m from G.L., the Induction Furnaces are provided with bag filter and the MBFs are connected to a separate stack of height 30m from G.L.

**AND WHEREAS,** an inspection of the industry was carried out by the official of the **West Bengal Pollution Control Board** (hereinafter referred to as the Board) on 04/07/2019. During inspection the industry was found in operation. Stack sampling for the common stack of DRI kilns 3 & 4 as well as fugitive emission monitoring was also carried out during inspection. The industry has failed to meet the PM emission and fugitive emission standard. Earlier the industry also failed to meet the emission standard of particulate matter during inspection on 21/05/2019 and 25/06/2019. The results are shown below:

Date of sampling	Sampling point	Parameter	Results obtained	Permissible limit
21/05/2019	CFBC boiler	PM	<b>299.64 mg/Nm<sup>3</sup></b>	150 mg/Nm <sup>3</sup>
25/06/2019	Cooler Discharge 1 & 2		<b>864.03 mg/Nm<sup>3</sup></b>	50 mg/Nm <sup>3</sup>
04/07/2019	Common stack of SEAF 1 & 2		<b>204.72 mg/Nm<sup>3</sup></b>	150 mg/Nm <sup>3</sup>
	Common stack of DRI kiln 3 & 4		<b>134.52 mg/Nm<sup>3</sup></b>	100 mg/Nm <sup>3</sup>
	Near Cooler Discharge	TSPM	<b>4449.97 µg/m<sup>3</sup></b>	2000 µg/m <sup>3</sup>

Show cause notices were issued to the unit for the above mentioned non-compliance

**AND WHEREAS,** previously a direction was issued to the unit on 24/10/2017 with imposition of a Bank Guarantee of Rs. 10.00 lakh. The unit submitted the BG on 18/05/2018 which was valid upto 17/05/2019. The unit was issued a further direction on 15/06/2018 with 50% forfeiture of BG i.e. Rs. 5,00,000/-.

**AND WHEREAS,** the Consent to Operate of the unit is valid upto 30/09/2023.

**AND WHEREAS,** the industry was called for a hearing on 20/11/2019 for non-compliance of environmental norms as observed during inspection by the Board official.

**AND WHEREAS,** the representative of the industry appeared in the hearing and agreed with the above mentioned observations. He submitted that the failure to comply with the particulate emission standard occurred due to repeated fluctuations in the supply voltage which hampered the E.S.P. operation. However, he mentioned that the situation has been improved and presently the unit is under compliance. He assured that such non-compliance would not be repeated in future.

**NOW THEREFORE**, considering the above, **M/s. Jai Balaji Industries (Unit–IV)** located at Banskopa, P.O. Rajbandh, Durgapur – 713212, Dist.- Paschim Bardhaman is hereby directed as follows:-

1. **That**, the industry shall always operate with proper functioning of pollution control system so as to comply with the environmental norms for both the stack emission as well as fugitive emission.
2. **That**, the industry shall take a shut down of its manufacturing activity whenever the pollution control system fails to function due to whatever reason and the same should be intimated to the Board.
3. **That**, the industry shall ensure continuous functioning of water sprinklers during its manufacturing operations to minimize fugitive dust pollution.
4. **That**, the industry shall comply with all the directives issued by the Board vide Memo No. 1044-4A/WPB/CE-II/GEN/2008 dated 01/06/2012.
5. **That**, the industry shall submit an Environmental Compensation (EC) of **Rs. 7,00,000/-** (Rupees Seven lakh) only, by Demand Draft in favour of **WEST BENGAL POLLUTION CONTROL BOARD** payable at Kolkata for non-compliance of environmental norms.
6. **That**, the industry shall execute a fresh **Bank Guarantee** (proforma enclosed) of **Rs. 12,00,000/-** (Rupees Twelve lakh) only valid for twelve (12) months within fifteen [15] days from the date of issuance of this direction in favour of the **WEST BENGAL POLLUTION CONTROL BOARD (Corporation Bank IFSC Code CORP 0000663)** as an assurance to comply with the above direction as well as environmental norms.

The Environmental Engineer, Durgapur regional office of the Board is requested to keep a strict vigil on the industry. In case of further non-compliance, the Board will take strict regulatory action like forfeiture of BG, closure with disconnection of electricity of the industry.

This direction is issued in exercise of the powers conferred under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act, 1986 and Rules made thereunder after being approved by the Competent Authority.

By Order,

Sd/-

**Chief Engineer**

**Operation & Execution Cell**

**West Bengal Pollution Control Board**