WHEREAS, M/s. Dimension Steel & Alloys Pvt. Ltd (hereinafter referred to as the industry), located at WBIDC Plasto Steel Park, Ghutgoria, P.O. & P.S.- Barjora, Dist.- Bankura is a ferro-alloy manufacturing industry having 2X9 MVA Sub-merged Electric Arc Furnaces (SEAFs). The SEAFs are attached to individual bag filter followed by common ID Fan as air pollution control device (APCD) and connected to common stack of height 30m from G.L. Both the SEAFs are equipped with a by-pass stack each from their hood. The SEAFs are not equipped with ‘tap hole emission’ suction system.

AND WHEREAS, inspection of the industry was carried out by the officials of WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 08/04/2014 when high stack emission through the main stack as well as the by-pass stacks and huge fugitive emission was observed from a long distance and over a long period of time. After entering the premises of the industry, it was found that both the SEAFs were in operation. High stack emission reduced within a few minutes when Board official entered the industry. On demand by the inspecting official, the representative of the industry could not show the production log sheet. After an hour, the representatives of the industry prepared a hand written data sheet on some rough papers and handed over to the Board official as their production log sheet.

AND WHEREAS, during inspection stack sampling for the stack attached to SEAFs was carried out and the result shows that the industry miserably failed to meet the PM emission standard (1331.38 mg/Nm$^3$ against the permissible limit 50 mg/Nm$^3$).

AND WHEREAS, the industry was earlier called for a hearing on 14/09/2012 for non-compliance of environmental norms and the unit was directed on 08/10/2012 to submit a BG of Rs. 50,000/- and a Pollution Cost of Rs. 50,000/-. The industry submitted the BG and PC amount.

AND WHEREAS, the CFO for the 1st SEAF & 2nd SEAF was valid up to 30/06/2014 & 31/05/2014 respectively. The industry has applied for extension of validity period of CFO on 16/06/2014.

AND WHEREAS, the industry was called for a hearing on 21/08/2014 at the head office of the board for non-compliance of environmental norms as observed during inspection by the Board officials.

AND WHEREAS, the Director of the industry appearing in the hearing agreed with the above mentioned observations of the Board. He submitted that on the day of inspection high stack emission might have been observed due to heavy eruption during tapping time. He mentioned that they have undertaken some modification work for the 1st SEAF like installation of dry type heat exchanger and separate ID fan, enhancement of no. of bags of the bag filter from 250 to 480 to control the emission. The modification work of the APCD for the 2nd SEAF is under progress and will be completed very soon.
NOW, THEREFORE, considering the non-compliance as recorded above, M/s. Dimension Steel & Alloys Pvt. Ltd located at WBIDC Plasto Steel Park, Ghutgoria, P.O. & P.S.- Barjora, Dist.- Bankura is hereby directed as follows:

1. That, the industry shall always operate the emission control system efficiently for the submerged electric arc furnaces to comply with the PM emission standard and ensure minimum fugitive emission from the operation of the furnaces.

2. That, the industry shall take shut down of its manufacturing activity whenever the pollution control system fails to function due to whatever reason and the same shall be intimated to the Board.

3. That, the industry shall complete the modification work of the APCD for the 2nd SEAF and shall install tap hole emission control system by November, 2014.

4. That, the industry shall execute a Bank Guarantee (proforma enclosed) of Rs. 10,00,000/- (Rupees ten 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 as an assurance to comply with the above directions.

The Environmental Engineer, Durgapur Regional Office of the State Board is requested to monitor the industry after November, 2014 to check the efficiency of the modified APC systems and if the industry is found running violating the Board’s direction, the Board will be at liberty to take stricter action like forfeiture of Bank Guarantee, closure of the industry with disconnection of electricity.

This direction is issued in exercise of the powers conferred under provisions of the Air (Prevention & Control of Pollution) Act, 1981 and 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