DIRECTION

WHEREAS, M/s. Gagan Ferrotech Ltd. (hereinafter referred to as the industry) is a sponge iron industry located at Jamuria Industrial Estate, Vill. & P.O.- Ikhra, P.S.- Jamuria, Dist.- Burdwan, Pin – 713362.

AND WHEREAS, the industry has 4X100 TPD Rotary Kilns, 2X20 MT Induction Furnaces with Concast and Rolling mills, 2X10.8 TPH & 2X8.3 TPH WHRBs and 30 TPH AFBC. The Rotary Kiln 1 & 2 are provided with individual ESP, and individual stack of height 30m from G.L., Rotary Kiln 3 & 4 are provided with individual air recuperator and individual stack of height 30m from G.L., the AFBC boiler is provided with ESP and a stack of height 60m from G.L. The Induction Furnaces are equipped with bag filter and stack of height 30m from G.L.

AND WHEREAS, a complaint was received from local authorities as well as from residents of surrounding villages against the sponge iron and ferro alloy industries situated at Jamuria, Burdwan alleging severe air pollution, especially during night hours, in the surrounding area.

AND WHEREAS, the industry was inspected by the officials of WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 26/03/2014 during night time. During inspection all the units were found in operation. High visible emission was observed through the stack of AFBC boiler. Huge fugitive emission was also noticed at ash handling silo of AFBC boiler. Internal roads condition was found to be poor. No senior responsible person was present at the time of inspection. The stack monitoring were carried out during inspections on 18/04/2013 & 23/12/2013 for the stack attached to AFBC boiler and the result shows PM value 111.61 mg/Nm$^3$ & 164.88 mg/Nm$^3$ which is beyond the permissible limit of 100 mg/Nm$^3$.

AND WHEREAS, the inspecting officials met the complainants during visit to Jamuria on 02/04/2014 and the complainants had expressed their dissatisfaction over poor environment management by the sponge iron and ferro alloy industries operating at Jamuria. It was also observed by the Board officials during several inspections that the industries having Captive Power Plants were disposing ash at open area within and outside the Jamuria Industrial Estate.

AND WHEREAS, the Consent to Operate of the industry is valid up to 30/06/2015.

AND WHEREAS, the industry was called for a technical hearing on 25/04/2014 at the head office of the Board due to violation of environmental norms as recorded above.

AND WHEREAS, the Vice President of the industry appearing in the hearing agreed with the above mentioned observations of the Board. He apologized for absence of responsible person at the time of inspection and assured that they would depute such person immediately. He submitted that electrodes of the ESP got eroded and rapping mechanism also got damaged which caused...
high PM emission through AFBC boiler stack. He assured that the electrodes will be replaced by July 2014 and thorough overhauling of the ESP will be undertaken during annual shut down of plant in the month of August/September 2014. He also submitted that they have two water lines for water spraying, one from plant water and another from auxiliary water system of power plant. During inspection the auxiliary pipe was leaked and so fugitive emission was observed at ash handling silo of AFBC boiler. He mentioned that immediately they have repaired the same and now regular monitoring of water pipe lines are being done to control fugitive emission from fly ash silo. He also stated that fly ash is disposed at abandoned coal mines of ECL.

**NOW THEREFORE,** considering the violations recorded above and public compliant against the sponge iron industries, the Board hereby directs **M/s. Gagan Ferrotech Ltd.** located at Jamuria Industrial Estate, Vill. & P.O.- Ikhra, P.S.- Jamuria, Dist.- Burdwan Pin – 713362 as follows:

1. **That**, the industry shall always operate with proper functioning of pollution control systems for compliance with the particulate emission standard for all unit operations in the plant.

2. **That**, the industry shall take necessary measures for rectification/modification of the ESP attached to the AFBC boiler so as to meet the PM emission standard

3. **That**, the industry shall make arrangement for sufficient water sprinkling to control fugitive emission within the factory premises.

4. **That**, the industry shall improve the condition of internal roads as early as possible.

5. **That**, the industry shall depute a responsible person during night hours at the plant.

6. **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.

7. **That**, the industry should submit a Bank Guarantee (proforma enclosed) of **Rs.10,00,000/-** (Rupees Ten Lakhs) only, valid for twelve [12] months within fifteen [15] days from the date of issuance of this order in favour of the **WEST BENGAל POLLUTION CONTROL BOARD** as an assurance to comply with the above directions.

The Environmental Engineer, Asansol Sub-Regional Office of the Board is requested to conduct an inspection of the industry to assess and verify the measures taken for compliance by the industry. If the industry is again found to be non-complying, the Board may take stricter regulatory action against the industry.

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 as amended, after being approved by the competent authority.

By Order,

**Sd/-**
Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board