WHEREAS, M/s. Shyam Sel & Power Ltd. (hereinafter referred to as the industry) located at Vill.-Dhasna, P.O.- Bahadurpur, P.S.- Jamuria, Dist.- Paschim Bardhaman, Pin-713 362 is an integrated mini steel plant having sponge iron and ferro alloy manufacturing unit. The unit has 2X300 TPD, 2X100 TPD and 2X90 TPD Rotary Kiln for producing sponge iron, 1X54 TPH AFBC Boiler and 1X135 TPH CFBC Boiler, 2X4.5 MVA, 3X9 MVA Submerged Electric Arc Furnace (SEAF) for producing Silico Manganese and Ferro Manganese. The industry has also Induction Furnace 4X5 MT/heat and 2X18 MT/heat for producing Steel ingots/billets and 2 nos. Iron Ore Pelletisation Plant. The 2X90 TPD and 2X100 and 2X300 TPD Rotary Kilns are provided with WHRB and ESP along with pneumatic ash conveying system and separate stack. The 4X5 MT & 2X18 MT Induction Furnaces are provided with bag filter. The SEAFs are provided with Bag Filter. AFBC Boiler is provided with ESP and stack, CFBC Boiler provided with ESP and connected to a stack of height 90m from G.L. and the pelletisation plant is equipped with ESP.

AND WHEREAS, the industry was inspected by the official of the West Bengal Pollution Control Board (hereinafter referred to as the Board) on 15/02/2019 & 22/02/2019. Following observations were made during inspections:

- All the internal roads in the unit for vehicular movement were not paved.
- Refuse was stored in open area at different location of the unit
- Fugitive emission from different section of the plant was noticed.
- Dry fog system at the bottom of the bag filters like stock house, product loading section, etc. was not noticed.
- Floor emission was noticed during movement of vehicle, loading, unloading of raw materials.
- Air pollution control device for the coal crushing section was not noticed and emission also noticed from there.
- Water sprinklers for dust suppression system were observed to be inadequate in nos.
- Coal tar spillage from producer gas plant area was noticed.
- Tree plantation area was found to be inadequate.
- House keeping of the unit was found to be poor.
- No dust collection system / dust suppression system at the bottom of the bag filters of ferro alloy plants was noticed.
- Huge fugitive emission was noticed from ferro alloy plant.

AND WHEREAS, a show cause notice was issued to the industry on 08/03/2019. The unit has submitted a reply on 27/03/2019 mentioning that they have taken several steps towards compliance of environmental norms.

AND WHEREAS, the Consent to Operate of the industry is valid upto 31/07/2023.

AND WHEREAS, the industry was called for a hearing on 07/06/2019 for non-compliance of environmental norms as observed during inspection by the Board official.

AND WHEREAS, the representatives of the industry appeared in the hearing and agreed with the above mentioned observation. They submitted that they have introduced FD cooler system and increased the ID fan capacity for better suction from the furnace area at ferro alloy division. However, they would take necessary
measures for controlling fugitive emission from different sections of the plant. He also submitted that major internal roads have been concretized and the rest of the roads will be paved on urgent basis. They have installed fog nozzle system at coal crushing section for reducing emission. They mentioned that they have planted 1000 nos. of saplings and also to create green belt areas of 1.5 km. within the plant premises and focused on the betterment of housekeeping at plant level.

NOW THEREFORE, considering the above, M/s. Shyam Sel & Power Ltd. located at Vill.- Dhasna, P.O.- Bahadurpur, P.S.- Jamuria, Dist.- Paschim Bardhaman, Pin-713 362 is hereby directed as follows:-

1. That, the industry shall always operate with proper functioning of pollution control systems so as to comply with the environmental norms for all unit operations in the plant.

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

3. That, the industry shall install and operate dry fog system for minimizing of dust emission.

4. That, the industry shall install sufficient water sprinklers and maintain and operate the same and ensure sufficient water supply so as to minimize fugitive dust emission.

5. That, the industry shall store raw materials and other refuse materials under shed by covering with polythene sheet or tarpaulin.

6. That, the industry shall undertake large-scale tree plantation programme within this rainy season (33% of the total project land area) for development of the greeneries in and around the factory premises.

7. That, the industry shall improve the internal housekeeping and concretize all the internal roads immediately.

8. That, the industry shall develop rain water harvesting system as early as possible.

9. 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.

10. 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 Senior Environmental Engineer, Asansol Regional Office of the Board is requested to keep a strict vigil on the unit. If the industry is again found running violating the Board’s direction, 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