DIRECTION

WHEREAS, M/s. Shyam Sel & Power Ltd. (hereinafter referred to as the industry) located at G-6, Mangalpur Industrial Estate, P.O. & P.S. Ranigunj, Dist. Paschim Bardhaman, Pin-713 347 is engaged in manufacturing of Sponge Iron, Ferro Alloy and Captive Power. The industry has 3X100 TPD rotary kilns, 30 MW Captive Power Plant (3X10.2 TPH WHRB and AFBC Boiler [1X54 TPH & 1X51 TPH]) and SEAF (2X9 MVA). The Rotary Kilns are provided with WHRB and ESP and stack. The SEAFs are provided with bag filter and separate stack and the AFBC boiler is attached to ESP as APCD.

AND WHEREAS, the industry was inspected by the official of the West Bengal Pollution Control Board (hereinafter referred to as the Board) on 04/07/2019. All the rotary kilns, both the ferro alloy furnace and AFBC boiler (54 TPH) were found in operation. The following observations were made during inspection:

- Leakage from ABC cap of rotary kiln was observed.
- Huge fugitive emission was observed from cooler discharge area.
- Management of APC dust from ESP bottom hopper was found in poor state.

AND WHEREAS, a show cause notice was issued to the industry on 10/07/2019 for the above non-compliance. The industry submitted a reply along with action plan for improvement of pollution control system and plant environment at Mangalpur unit.

The Central Pollution Control Board (CPCB) official visited the industry on 26/07/2019 and the following observations were made:

**DRI unit**

- Slip leakages was observed at both ends of Kiln 2 and at the feeder side of Kiln 3.
- Bag house provided at the cooler discharge point, Transfer points, product house were not operating properly.
- No PTZ camera was noticed at the ETP.

**Ferro alloy unit:** No secondary emission control system was observed.

AND WHEREAS, CPCB official also conducted stack monitoring for the common stack of Kiln 2 & 3 and the analysis report shows non-compliance (PM-693 mg/Nm$^3$ against the permissible limit of 100 mg/Nm$^3$).

AND WHEREAS, the Consent to Operate of the industry is valid upto 31/12/2023. The industry has applied for Hazardous Waste Authorisation to the Board.

AND WHEREAS, the industry was called for a hearing on 29/08/2019 for non-compliance of environmental norms as observed during inspection by the CPCB as well as State Board official.

AND WHEREAS, the representatives of the industry appeared in the hearing and agreed with the above mentioned observation. They submitted that would take necessary measures within three months for proper functioning of air pollution control system attached to the rotary kilns so as to comply with the PM emission standard. They also submitted that would take positive steps for minimizing secondary emission from the ferro alloy unit.
NOW THEREFORE, considering the above, M/s. Shyam Sel & Power Ltd. located at G-6, Mangalpur Industrial Estate, P.O. & P.S. Ranigunj, Dist. Paschim Bardhaman, Pin-713 347 is hereby directed as follows:

1. **That**, the industry shall ensure compliance of the environmental norms for both stack emission as well as fugitive emission by taking appropriate steps within **31st November, 2019**.

2. **That**, the industry shall install secondary emission control system for its ferro alloy unit at the earliest.

3. **That**, the industry shall always operate the plant with efficient functioning of pollution abatement system so as to minimize the particulate emission from the stack as well as fugitive emission from all the unit operations in the plant.

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

5. **That**, the industry shall submit an Environmental Compensation (EC) of **Rs. 5,00,000/-** (Rupees Five 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 submit 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** (Corporation Bank IFSC Code CORP 0000663) as an assurance to comply with the environmental norms.

The Sr. Environmental Engineer, Asansol Regional Office of the Board is requested to conduct an inspection of the industry after November 2019 to verify the status of environmental compliance. If the industry is again found to be non-complying, 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