**DIRECTION**

WHEREAS, M/s. Shyam Sel & Power Ltd. (hereinafter referred to as the industry) located at G-6, Mangalpur Industrial Estate, Mangalpur, P.O. & P.S. Ranigunj, Dist. Burdwan is engaged in manufacturing of Sponge Iron, Ferro Alloy and Captive Power. The industry has 3X100 TPD rotary kilns, 1X4.5 MT Electric Arc furnace (EAF), AFBC Boiler (1X54 TPH & 1X51 TPH) and SEAF (2X9 MVA). The Rotary Kilns are provided with WHRB and ESP along with pneumatic ash conveying system and stack as air pollution control device (APCD). The SEAFs are provided with bag filter and wet venture scrubber system and separate stack. The EAF is connected to bag filter and the AFBC boiler is attached to ESP along with pneumatic ash conveying system as APCD.

AND WHEREAS, the industry was inspected by the officials of the West Bengal Pollution Control Board (hereinafter referred to as the Board) on 14.01.2016, rotary kiln no. 1 & 2, SEAF 1 and 1X54 TPH AFBC boiler were found in operation during inspection; rotary kiln no. 3 and SEAF 2 were shut down. High emission was observed from the stack of rotary kilns; fugitive emission was noticed from sponge iron division. Very high emission was also observed from stack of AFBC Boiler. Solid waste and raw material were kept in open space inside the plant premises. Internal road condition was very poor.

AND WHEREAS, the industry was also inspected on 16.12.2015 and stack monitoring was carried out for AFBC boiler, SEAF 1, SEAF 2, Rotary Kilns (1, 2 and 3), Cooler Discharge and Product House. The industry also failed to meet PM emission standard during stack sampling on 22/01/2015 for the stack connected to SEAF 1 & 2 and AFBC boilers. The results are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Stack attached to</th>
<th>Parameter</th>
<th>Value Obtained (mg/Nm³)</th>
<th>Permissible Limit (mg/Nm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.12.2015</td>
<td>AFBC Boilers (2 nos.)</td>
<td>PM</td>
<td>233.05</td>
<td>150</td>
</tr>
<tr>
<td>22.01.2015</td>
<td>AFBC Boilers (2 nos.)</td>
<td>PM</td>
<td>1348.48</td>
<td></td>
</tr>
<tr>
<td>22.01.2015</td>
<td>SEAF 1</td>
<td>PM</td>
<td>180.19</td>
<td></td>
</tr>
<tr>
<td>22.01.2015</td>
<td>SEAF 2</td>
<td>PM</td>
<td>210.05</td>
<td></td>
</tr>
</tbody>
</table>

AND WHEREAS, the ‘Consent to Operate’ of the industry is valid upto 31.12.2018.

AND WHEREAS, the industry was called for a hearing at the Head office of the Board on 03/05/2016 for the above mentioned non-compliance of environmental norms.

AND WHEREAS, the representatives of the industry appearing in the hearing agreed with the above mentioned observations of the Board. They submitted that high emission through the stack of AFBC boiler observed during inspection on 14/01/2016 was due to some problem in ESP which has been rectified later on and it is now functioning properly. He mentioned that raw material is unloaded in open space and subsequently it is shifted inside the shed. He also submitted that repairing work for internal roads is in progress and it will be completed within two months.
NOW THEREFORE, considering the violation of environmental norms as observed during inspection by the Board officials, M/s. Shyam Sel & Power Ltd. located at G-6, Mangalpur Industrial Estate, Mangalpur, P.O. & P.S. Ranigunj, Dist. Burdwan is hereby directed 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 shut down of its manufacturing activity whenever the pollution control system fails to function and the same will be intimated to the Board.

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

4. **That**, the industry shall complete the repairing work of internal roads within July, 2016.

5. **That**, the industry shall construct adequate sheds to store the raw materials, coal and solid wastes.

6. **That**, the industry shall develop green buffer zone along the inside periphery of the factory premises.

7. **That**, the industry shall strictly follow the directives issued by the Board vide Memo No. 1044-4A/WPB/CE-II/GEN/2008 dated 01/06/2012.

8. **That**, the industry shall ensure online data transmission to CPCB server at the earliest.

9. **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 direction.

The Environmental Engineer, Asansol Regional Office of the Board will keep strict vigil over the industry and if the industry is again found to be violating the environmental norms or Board’s directions, further strict regulatory action will be taken against the industry.

This direction is issued in exercise of the powers conferred under the provision of 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