WHEREAS, the industry was inspected by the official of the West Bengal Pollution Control Board (hereinafter referred to as the Board) on 01/07/2019. The DRI Kilns and WHRB are provided with ESP and connected to the stack of height 40m from G.L. The Induction Furnaces are provided with bag filter and connected to a stack of height 20m from G.L. During inspection the industry was found in operation. During inspection the following observations were made:

1. Leakage from the slip seal ring of DRI kiln #1 was noticed.
2. Dust suppression system was found to be unsatisfactory.
3. No dry fog and permanent sprinkler was noticed. The unit’s representative informed that they have movable sprinkler but due to shortage of water supply they are unable to use sprinkler.
4. Accretion lump, ESP dust was found to be stored in an open space without any cover.
5. Stack sampling for the common stack of DRI kiln 1 & 2 and 3&4 and fugitive emission monitoring was carried out and the analysis report shows non-compliance. Previously the unit also failed to meet the PM emission standard as well as fugitive emission standard during inspection on 27/06/2018 and 13/09/2018. The results are tabulated below:

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sampling point</th>
<th>Parameter</th>
<th>Results obtained</th>
<th>Permissible limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>27/06/2018</td>
<td>In between Cooler Discharge of DRI kiln 1 &amp; 2, 3&amp;4</td>
<td>TSPM</td>
<td>5479.14 µg/m³</td>
<td>2000 µg/m³</td>
</tr>
<tr>
<td></td>
<td>Common stack of DRI kiln 1 &amp; 2</td>
<td>PM</td>
<td>106.49 mg/Nm³</td>
<td></td>
</tr>
<tr>
<td>13/09/2018</td>
<td>Common stack of DRI kiln 1 &amp; 2</td>
<td></td>
<td>126.50 mg/Nm³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Common stack of DRI kiln 3 &amp; 4</td>
<td></td>
<td>252.15 mg/Nm³</td>
<td></td>
</tr>
<tr>
<td>01/07/2019</td>
<td>Common stack of DRI kiln 1 &amp; 2</td>
<td>PM</td>
<td>142.13 mg/Nm³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Common stack of DRI kiln 3 &amp; 4</td>
<td></td>
<td>163.58 mg/Nm³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Near I Bin</td>
<td>TSPM</td>
<td>5604.09 µg/m³</td>
<td>2000 µg/m³</td>
</tr>
<tr>
<td>17/09/2019</td>
<td>Common stack of DRI kiln 1 &amp; 2</td>
<td>PM</td>
<td>100.71</td>
<td>100 mg/Nm³</td>
</tr>
<tr>
<td></td>
<td>In between Cooler Discharge of DRI kiln 1 &amp; 2, 3&amp;4</td>
<td>TSPM</td>
<td>4265.79 µg/m³</td>
<td>2000 µg/m³</td>
</tr>
</tbody>
</table>

Show cause notices were issued to the unit for the above mentioned non-compliance.

AND WHEREAS, the Consent to Operate and the Hazardous Waste Authorisation of the industry are valid upto 30/06/2022 and 30/09/2022 respectively.
AND WHEREAS, the industry was called for a hearing on 20/11/2019 for repetitive failure towards compliance of environmental norms as observed during inspection by the Board official.

AND WHEREAS, the Director of the industry appeared in the hearing and agreed with the above mentioned observations. He submitted that they have taken necessary steps for compliance of emission norms. He also submitted that they have changed hydraulic cylinder of slip seal ring of DRI kiln no. 1 and have installed additional water sprinkler for suppression of dusts. They have stored all accretion lumps, ESP dust under covered area. He assured that such non-compliance would not be repeated in future.

NOW THEREFORE, considering the above, M/s. Haldia Steels Pvt. Ltd. (Unit-II) located at Raturia Industrial Area, Angadpur, P.O.- Mayabazar, P.S.- Coke Oven, Durgapur, Dist.- Paschim Bardhaman, Pin- 713 215 is hereby directed as follows:-

1. That, the industry shall ensure compliance of the emission standard for both stack emission as well as fugitive emission by taking appropriate steps.

2. That, the industry shall always operate with proper functioning of the pollution control system attached to the rotary kiln so as to comply with the environmental norms for both the stack emission as well as fugitive emission.

3. 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.

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

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

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 shall submit an Environmental Compensation (EC) of Rs. 6,00,000/- (Rupees Six lakh) only, by Demand Draft in favour of WEST BENGAL POLLUTION CONTROL BOARD payable at Kolkata for non-compliance of environmental norms.

8. That, the industry shall execute a fresh 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 above direction as well as environmental norms.

The Environmental Engineer, Durgapur regional office of the Board is requested to keep a strict vigil on the industry. In case of further non-compliance, 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