WHEREAS, M/s. Crescent Foundry Co. Pvt. Ltd. (hereinafter referred to as the industry) located at Kulgachia, P.O.- Mahisrekha, P.S.- Uluberia, Howrah – 711 303 is a cast iron foundry having 2 nos. Cupola Furnaces of capacity 4.5 MT/hr. each. The furnaces are equipped with venturi scrubber, cyclone followed by ID Fan as air pollution control device (APCD) and connected to common stack of height 30m from G.L.

AND WHEREAS, the industry was inspected on 05/09/2014. During inspection the 2nd Cupola Furnace along with its APCD was found in operation. However visible emission was noticed through the stack attached to the said furnace. No leakage was found from the top of the furnace. Installation activity of new machineries was observed inside the industry premises. Construction work of godown at the adjacent land of the unit was found in progress during inspection. Stack sampling was conducted during inspection and the industry failed to meet the PM emission standard. The industry also failed to meet the PM emission standard on earlier occasions dated 20/12/2011 & 21/05/2013. The results are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sampling point</th>
<th>Parameters</th>
<th>Results obtained (mg/Nm$^3$)</th>
<th>Permissible limit (mg/Nm$^3$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/12/2011</td>
<td>Stack connected to Cupola Furnace 2</td>
<td>PM</td>
<td>186.442</td>
<td>100</td>
</tr>
<tr>
<td>21/05/2013</td>
<td>Stack connected to Cupola Furnace 1</td>
<td>PM</td>
<td>168.67</td>
<td></td>
</tr>
<tr>
<td>05/09/2014</td>
<td>Stack connected to Cupola Furnace 2</td>
<td>PM</td>
<td>216.43</td>
<td></td>
</tr>
</tbody>
</table>

AND WHEREAS, the Consent to Operate of the industry expired on 30/09/2014. The industry has submitted application for renewal of Consent to Operate.

AND WHEREAS, the industry was called for a hearing at the head office of the Board on 24/12/2014 for the above mentioned non-compliances.

AND WHEREAS, the representatives of the industry appearing in the hearing agreed with the above mentioned observations of the Board. They submitted that they would not carry our any activity related to expansion till getting NOC from the Board. They also submitted that they would take necessary steps for modification/upgradation of its APCD.

NOW, THEREFORE, considering the above, M/s. Crescent Foundry Co. Pvt. Ltd. located at Kulgachia, P.O.- Mahisrekha, P.S.- Uluberia, Howrah – 711 303 is hereby directed as follows:

1. That, the industry shall immediately stop the construction/installation activity for expansion project and shall not start such activity before obtaining NOC from the Board.

2. That, the industry shall modify/upgrade the air pollution control systems attached to the cupola furnaces by 28th February, 2015 so that they can meet the PM emission standard in future.
3. **That**, the industry shall execute a **Bank Guarantee** (proforma enclosed) of Rs. 5,00,000/- (Rupees five 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 Senior Environmental Engineer & In-charge, Howrah Regional Office of the State Board is requested to conduct an inspection of the industry after February 2015 to verify the status of compliance.

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 after being approved by the Competent Authority.

By Order,

_Sd/-_  
Chief Engineer  
Operation & Execution Cell  
West Bengal Pollution Control Board