Direction

Whereas, M/s. Crescent Foundry Co. Pvt. Ltd. (hereinafter referred to as the industry) located at NH-6, P.O.- Nibra, P.S.- Domjur, Howrah – 711 409 is a cast iron foundry having 4 nos. Cupola Furnaces (#A, #B, #C & #D) of capacity 5 MT/hr. each and 1 no. Induction Furnace of capacity 1 MT/heat. The Cupola Furnace #A & #B are equipped with ventury scrubber followed by cyclone separator as air pollution control device (APCD) and connected to common stack of height 17m from G.L. The Cupola Furnace #C & # D are equipped with ventury scrubber followed by cyclone separator as APCD and connected to common stack of height 30m from G.L. The Induction Furnace is provided with bag filter as APCD and connected to a stack of height 16m from G.L.

And whereas, the industry was inspected by the official of West Bengal Pollution Control Board (hereinafter referred to as the Board) on 04/09/2014. During inspection the Cupola Furnaces #A & #D and Induction Furnace were found in operation along with its APCD. Stack sampling was carried out during inspection and the industry failed to meet the PM emission standard. The industry also failed to meet the PM emission standard on earlier occasion dated 23/05/2014.

The results are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sampling point</th>
<th>Parameter</th>
<th>Results obtained (mg/Nm$^3$)</th>
<th>Permissible limit (mg/Nm$^3$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23/05/2014</td>
<td>Common stack connected to Cupola Furnace #A &amp; #B (Furnace #B was in operation)</td>
<td>PM</td>
<td>168.14</td>
<td>150</td>
</tr>
<tr>
<td>04/09/2014</td>
<td>Common stack connected to Cupola Furnace #A &amp; #B (Furnace #A was in operation)</td>
<td>PM</td>
<td>156.28</td>
<td>150</td>
</tr>
</tbody>
</table>

And whereas, a show cause notice was issued to the industry on 26/06/2014 for failing to meet the PM emission standard during stack sampling on 23/05/2014. The industry replied to the show cause notice on 25/08/2014 and mentioned that they have undertaken thorough maintenance of Cupola Furnace B.

And whereas, as per available records, the industry has enhanced the gross capital investment from Rs.6,19,03,832.00 to Rs.15,80,12,932.77 without obtaining necessary permission from the Board.

And whereas, the Consent to Operate of the industry expired on 31/10/2014. The industry has submitted application for renewal of Consent to Operate on 05/11/2014.

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 take necessary steps for thorough maintenance of its APCD as early as possible.

NOW, THEREFORE, considering the above, M/s. Crescent Foundry Co. Pvt. Ltd. located at NH-6, P.O.- Nibra, P.S.- Domjur, Howrah – 711 409 is hereby directed as follows:

1. That, the industry shall undertake thorough maintenance of the air pollution control system by 28th February, 2015 and submit compliance report to the Board.

2. That, the industry shall always operate the APCD efficiently so as to meet the PM emission standard in future.

3. That, the industry shall obtain NOC from the Board for any expansion/enhancement of production.

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