WHEREAS, M/s. Durgapur Thermal Power Station (D.V.C.) (hereinafter referred to as the industry) is a coal based thermal power station of capacity 1X140 MW (Unit-3) and 1X210 MW (Unit-4) located at P.O. & P.S.- Durgapur, Dist.- Burdwan, Pin – 713 207

AND WHEREAS, Boilers of unit nos. 3 & 4 are provided with separate ESP and connected to separate stacks of height 68m & 92m respectively from G.L. The industry has the facility of flue gas conditioning by ammonia dosing. Opacity meters are provided for both units.

AND WHEREAS, the industry was inspected by WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 19/12/2013 & 22/01/2014. During inspection on 22/01/2014, the industry was found in operation with load of 93 MW and 148 MW in unit no. 3 & 4 respectively. Although all fields of ESP for unit 3 & 4 were in operation during inspection, but visible emission was observed through the stacks of unit-3 & unit-4. Stack samplings were conducted during inspections on 12/09/2013, 19/12/2013 & 12/03/2014 and the industry could not meet the permissible limit for particulate matter on every occasion. The results are tabulated below:

<table>
<thead>
<tr>
<th>Sampling date</th>
<th>Sampling point</th>
<th>Concentration of PM (mg/Nm^3)</th>
<th>Permissible limit (mg/Nm^3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/09/2013</td>
<td>Boiler no. 3 (Pass A)</td>
<td>949.45</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>Boiler no. 3 (Pass A)</td>
<td>1044.21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boiler no. 3 (Pass B)</td>
<td>1216.94</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boiler no. 4</td>
<td>544.72</td>
<td></td>
</tr>
<tr>
<td>19/12/2013</td>
<td>Boiler no. 3 (Pass A)</td>
<td>699.62</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boiler no. 3 (Pass B)</td>
<td>670.38</td>
<td></td>
</tr>
<tr>
<td>12/03/2014</td>
<td>Boiler no. 3 (Pass A)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boiler no. 3 (Pass B)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AND WHEREAS, the effluent collected from the Power House outlet of the industry failed to meet the liquid effluent discharge standard on 13/10/2013, 25/11/2013, 19/12/2013, 22/01/2014 & 12/03/2014 in respect of TSS (244.00 mg/l, 502.00 mg/l, 228.00 mg/l, 120.00 mg/l & 112.00 mg/l against the permissible limit of 100 mg/l) and effluent collected from Ash pond overflow also failed to meet the standard in respect of TSS - 1062.00 mg/l on 19/12/2013.

AND WHEREAS, the industry does not have any waste water treatment facility. For Unit no. 3 they have ‘once through condenser’ and for Unit no. 4 they have 1 no. settling pond before the final power house discharge. During inspection it was found that it has bypass system at guard pond for settling power house discharge and immediate excavation of this pond is required for proper settling. Dry ash disposal system was found to be under construction but not yet completed. The ash ponds were found more or less full. No decantation well was observed in any ash pond.

AND WHEREAS, the industry was earlier called for a hearing on 17/04/2013 for gross of non-compliance of environmental norms and a direction was issued to the industry on 24/07/2013 to submit a Bank Guarantee of Rs. 10.00 lakh. The industry submitted the BG amount.

AND WHEREAS, last CFO of the industry was valid up to 31/12/2013. The industry has applied for renewal of consent to operate on 20/12/2013.
AND WHEREAS, the industry was called for a hearing at the head office of the Board on 25/04/2014 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 start work for overhauling of all ESP fields of unit #3 by May 2014 and dry fly ash collection system for unit #3 will be put into operation by August 2014. They also submitted that they would clean the settling pond so as to comply with the effluent discharge standard.

NOW THEREFORE, considering the violations recorded above and the submission made by the industry, the Board hereby directs M/s. Durgapur Thermal Power Station (D.V.C.) located at P.O. & P.S.- Durgapur, Dist.- Burdwan, Pin – 713 207 as follows:

1. That, the industry shall always operate its emission control system efficiently for compliance of emission standard in respect of particulate matter and will also comply with the effluent discharge standards on a regular basis.

2. That, the industry shall start the overhauling work of Unit # 3 including its ESP immediately in order to meet the PM emission standard.

3. That, the industry shall start operation of dry fly ash collection/disposal system positively by August 2014.

4. That, the industry shall close the bypass system at guard pond for power house discharge and shall immediately excavate this pond for ensuring proper settling in order to meet the effluent discharge standard.

5. That, the industry shall excavate and remove settled ash from Ash Pond so as to comply with the effluent discharge standard for the ash pond overflow.

6. That, the industry should submit a Bank Guarantee (proforma enclosed) of Rs.5,00,000/- (Rupees Five Lakhs) only, valid for twelve [12] months within fifteen [15] days from the date of issuance of this order in favour of the WEST BENGAL POLLUTION CONTROL BOARD as an assurance to comply with the above directions.

7. That, 50% of the existing Bank Guarantee of Rs.10,00,000/- (Rupees Ten Lakhs) i.e. Rs.5,00,000/- (Rupees Five Lakhs) will be forfeited and the remaining amount of existing Bank Guarantee of Rs.5,00,000/- (Rupees Five Lakhs) will be extended up to 30.06.2014.

The Environmental Engineer (In-charge), Durgapur Regional Office of the Board is requested to conduct an inspection of the industry to assess and verify the measures taken for compliance by the industry. If the industry is again found to be non-complying, the Board may take stricter regulatory action against the industry.

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 as amended, after being approved by the competent authority.

By Order,

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