WHEREAS, M/s Himadri Chemicals & Industries Ltd. (hereinafter referred to as the industry), located at Mahistikri, P.O. & P.S. Haripal, Dist. Hooghly, Pin-712 223 is a coal tar distillation and carbon black producing industry. The industry has 2 nos. HSD fired boilers, 10 nos. Thermic Fluid Heaters (TFHs) and 8 nos. Distillation Furnace. The industry manufactures coal tar pitch (15587.50 MT/month), carbon black (10,000.33 MT/month), heavy & light creosote oil (9412.50 MT/month), crude naphthalene (1833.33 MT/month), tail gas (31252500 Nm$^3$/month & 47100 Nm$^3$/hr.), Sulfonated naphthalene formaldehyde (SNF) (4166.67 MT/month). The industry also has a captive power plant of capacity 12 MW.

AND WHEREAS, inspection of the industry was carried out by the officials of WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 26/11/2013. During inspection effluent sample was collected from the natural surface drain flowing alongside the main entrance of the industry parallel to Durgapur Expressway. This natural surface drain carries mainly effluent discharged from the industry apart from the surface run off. Water flowing through the drain was noticed to be blackish in colour with drops of floating lighter oil on its surface. The upstream of the drain is a low lying swampy land area immediately adjacent to the boundary wall of the factory premises. This low lying swampy land area situated at the upstream of the natural surface drain was also found to be covered with similar blackish coloured water. Blackish stains on the stem and leaves of vegetation of the swamp was found to be prominent. The analysis report of the water sample shows alarming concentration of Cyanide (CN) and other parameters which is tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sampling point</th>
<th>Parameters</th>
<th>Results obtained mg/l</th>
<th>Permissible standard mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>26/11/2013</td>
<td>Natural surface drain flowing outside and along the boundary wall of the industry</td>
<td>TSS</td>
<td>496.00</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COD</td>
<td>4373.50</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cyanide</td>
<td>77.50</td>
<td>0.2</td>
</tr>
</tbody>
</table>

The incident of alarming concentration of cyanide and other parameters in the water of the natural surface drain flowing outside the factory premises as mentioned above apparently indicates discharge of untreated effluent from the factory premises to the surface drain.

AND WHEREAS, the industry has a common effluent treatment plant to treat the effluent generated from different sections of the plant which is yet to be successfully commissioned. The entire industrial effluent is supposed to be recycled back into the process, once it is totally commissioned and stabilized. But the industry is yet to achieve its target of 100% recycling the treated effluent. The treatment plant was found in operation during inspection. The Hooghly Regional Office of the Board conducts routine monitoring of effluent and emission of the industry on monthly basis and the analysis reports show compliance with the permissible standards.
AND WHEREAS, the ‘Consent to Operate, of the industry expired on 31/12/2013. The industry has applied for renewal of ‘Consent to Operate’ in July 2013.

AND WHEREAS, the industry was called for a hearing on 20.02.14 at the head office of the board for the noncompliance of environmental norms as observed during inspection by the Board officials.

AND WHEREAS, the representatives of the industry appearing in the hearing agreed with the above mentioned observations of the Board. The industry submitted a letter on 28.02.2014 stating that the canal water might get contaminated due to washing of tankers standing at the service road adjacent to NH-2. They also submitted that they have carried out dressing of the canal area and deployed security personnel outside the factory premises for surveillance of the service road to prevent nuisance caused by any vehicle. The industry has committed that they would construct a tanker yard inside the industry premises to keep their tankers inside the factory and would also install RO system & anti-scaling system to ensure complete recycling of treated effluent.

NOW, THEREFORE, considering the non-compliance as recorded above and submission of the industry during hearing, the Board is hereby pleased to direct M/s Himadri Chemicals & Industries Ltd. located at Mahistikri, P.O. & P.S. Haripal, Dist. Hooghly, Pin-712 223 as follows:-

1. That, the industry shall construct tanker yard within its premises to stop parking of tankers on the outside road. Till completion of such dedicated yard, the industry must prevent washing of trucks on the adjacent service road to avoid contamination of the canal water.

2. That, the industry shall never discharge untreated effluent outside the plant. They shall also ensure that no spillage of untreated effluent to outside canal occurs.

3. That, the industry shall install RO system & anti-scaling system as proposed to ensure complete recycling of treated effluent.

4. That, the industry shall complete the above jobs within six (6) months hereof and 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, Hooghly Regional Office of the State Board is requested to keep strict vigil on the industry and if the industry is found to violate the direction of the Board, stricter regulatory order including closure with disconnection of electricity will be issued.

This direction is issued in exercise of the powers conferred under provisions of the Water (Prevention & Control of Pollution) Act, 1974 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