WHEREAS, M/s. EMC Ltd. (Formerly Electrical Manufacturing Co. Ltd.) [hereinafter referred to as the industry] located at 51, Canal East Road, P.S.- Narkeldanga, Kolkata-700 085 is engaged in fabrication and galvanization of different parts of electrical transmission tower.

AND WHEREAS, the industry was inspected by the officials of WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 14/10/2014. The industry has a galvanizing section consisting of three successive hydrochloric acid baths for acid pickling, rinsing tank, zinc bath (F.O. fired). The industry has three stacks, one is connected to the F.O. fired furnace for zinc bath through water scrubber and ID Fan, second stack is attached to suction hood of zinc bath through water scrubber and ID Fan and the third stack is connected to acid pickling baths through water spray chamber and ID Fan. The galvanizing section has asbestos shade and brick walls on two sides, the other two sides are open. The industry has also an effluent treatment plant (ETP) consisting of collection tank, chemical dosing, settling tank, sand and gravel bed filter and finally discharged to the KMC drain.

AND WHEREAS, during inspection the industry was in operation with all its air pollution control devices (APCDs). During inspection the ETP was also in operation and effluent sample was collected from outlet of ETP. The analysis report shows non-compliance. During earlier effluent sampling carried out on 21/05/2013, the industry also failed to meet the liquid effluent discharge standard. The results are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sampling point</th>
<th>Parameters</th>
<th>Results obtained</th>
<th>Permissible limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>21/05/2013</td>
<td>Outlet of ETP</td>
<td>Zinc</td>
<td>19.89 mg/l</td>
<td>5.0 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSS</td>
<td>248.0 mg/l</td>
<td>100.0 mg/l</td>
</tr>
<tr>
<td>14/10/2014</td>
<td></td>
<td>Zinc</td>
<td>78.40 mg/l</td>
<td>5.0 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSS</td>
<td>162.0 mg/l</td>
<td>100.0 mg/l</td>
</tr>
</tbody>
</table>

AND WHEREAS, during inspection on 22/04/2014, the ETP of the industry was found non-functional and accordingly a show cause notice was issued to the industry.

AND WHEREAS, the Consent to Operate of the industry is valid upto 31/10/2015.

AND WHEREAS, the industry was called for a hearing on 29/01/2015 at the head office of the board for non-compliance of environmental norms as observed during inspection by the Board officials.

AND WHEREAS, the Manager of the industry appearing in the hearing agreed with the above mentioned observations of the Board. He submitted that they would take necessary measures as early as possible to comply with the liquid effluent discharge standard.
NOW, THEREFORE, considering the non-compliance as observed during inspection by the Board officials, the Board is hereby pleased to direct M/s. E.M.C. Ltd. (Formerly Electrical Manufacturing Co. Ltd.) located at 51, Canal East Road, P.S.- Narkeldanga, Kolkata-700 085 as follows:

1. **That**, the industry shall modify/upgrade the effluent treatment plant within March 2015 in order to meet the liquid effluent discharge standard in future.

2. **That**, the industry shall execute a Bank Guarantee (proforma enclosed) of Rs. 2,00,000/- (Rupees two 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 directions.

The Environmental Engineer, Salt Lake Regional Office of the State Board is requested to inspect the industry after March 2015 to verify the compliance status and if the industry is found running violating the Board’s direction, the Board will be at liberty to take stricter action including closure of the industry with disconnection of electricity.

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