WHEREAS, M/s. Concast Bengal Industries Ltd. (hereinafter referred to as the industry), located at Mouza – Mosliya, Junbedia, Dist.- Bankura, Pin – 722 102 is a sponge iron industry having 2X100 TPD Rotary Kilns followed by 2X10 TPH WHRB, 2X12 MT/heat & 2X8.5 MT/heat induction furnaces along with one Continuous Casting Machine. The industry has also 1X30 TPH/hr. dual fuel fired (oil/producer gas) reheating furnace, 2 nos. gasifiers, 16.5 MW Captive Power Plant (CPP) comprising of above stated 2X10 TPH WHRB & 1X70 TPH AFBC boiler. The rotary kilns are provided with individual ESP and connected to a common stack. The APCDs for induction furnaces are two sets of mechanical dust collector, ID fan and chimney for each set of furnaces.

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 19/06/13. During inspection all the sections of the industry was found in operation. But later on due to tripping of the CPP, all the sub units excepting the DRI kiln no. 2 were stopped. The following observations were made during inspection:-

- High emission was observed through the stack attached to ESP.
- Cap leakage was also observed for both the kilns.
- Swiveling hood and other APCDs attached to the induction furnaces were found to be non-functional in the SMS section.
- No dry fog arrangement was found in operation at any place/strategic locations.
- No water tanker or water sprinklers were found inside the unit premises.
- Opacity meters connected to the stacks of the AFBC boiler and WHRBs were not in operation.
- Leakages/emission was noticed from the slip-seal arrangement of the rotary kiln no. 2.
- Secondary fugitive emission was found to be escaping from some parts of the unit, e.g. coal injection point, product house, Intermediate Bin and coal conveying system.
- Housekeeping of the unit was found to be extremely poor.
- Coal, coal fines and iron ores were found to be dumped in open areas.
- Plantation was found to be inadequate within the unit premises.
- The unit was found erecting the 3rd DRI kiln adjacent to the present kilns without obtaining Environmental Clearance and Consent to Establish.

Stack sampling was conducted during inspection and the results are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Stack connected to</th>
<th>PM value obtained (mg/Nm³)</th>
<th>Permissible limit (mg/Nm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19/06/2013</td>
<td>Product House bag filter</td>
<td>6.07</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Cooler Discharge bag filter</td>
<td>298.76</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DRI kiln no. 2 &amp; WHRB-2</td>
<td>1348.88</td>
<td></td>
</tr>
</tbody>
</table>
AND WHEREAS, the ‘Consent to Operate’ of the industry was valid up to 30/06/2013. The industry has applied for the extension of validity period of the ‘Consent to Operate’ till 30/04/2014. The industry has not yet applied for ‘Hazardous Waste Authorisation’.

AND WHEREAS, the industry was called for a hearing on 24.07.13 at the head office of the board for the non-compliance as mentioned above.

AND WHEREAS, the General Manager of the industry appearing in the hearing agreed with the above mentioned observations of the Board. He submitted that on the day of inspection high emission through the ESP stack and cap leakages had occurred as the kiln no. 1 was on hold due to short circuit in one of the two fields of ESP. He also submitted that all the systems and APCDs in the SMS section were non-functional because Captive Power Plant had suddenly tripped. He stated that dry fog system and water sprinklers were not in operation due to rainfall on that day, opacity meter was also not in operation since it was sent for calibrations at Pune. He mentioned that they have already stopped the installation work for 3rd DRI kiln for which they have already applied to MoEF, GoI for obtaining Environmental Clearance.

NOW, THEREFORE, considering the non-compliance as mentioned above, M/s. Concast Bengal Industries Ltd. located at Mouza – Mosliya, Junbedia, Dist.- Bankura, Pin – 722 102 is hereby directed as follows :

1. That, the industry shall ensure proper functioning of all pollution abatement systems.

2. That, the industry shall not restart installation work of 3rd DRI kiln without obtaining ‘Environmental Clearance’ and ‘Consent to Establish’ for the same.

3. That, the industry shall comply with all the directives issued by the Board vide Memo No. 1044-4/WPB/CE-II/GEN/2008 dated 01/06/2012.

4. That, the industry shall obtain ‘Hazardous Waste Authorisation’.

5. 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 direction.

The Environmental Engineer, Durgapur Regional Office of the State Board is requested to keep vigil over 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 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