DIRECTION

WHEREAS, M/s. Durgapur Steel Plant, SAIL, (hereinafter referred to as the industry), an integrated iron and steel plant, is located at P.O. + P.S. Durgapur, Dist. Paschim Bardhaman, Pin -713203.

AND WHEREAS, West Bengal Pollution Control Board (hereinafter referred to as the Board) has received a public complaint on 16/06/2018 against the industry alleging high emission of dust & smoke engulfing surrounding area and poor visibility on NH2. Telephone calls were also received from the District Magistrate (Paschim Bardhaman), Hon’ble Mayor (Durgapur), SDM(Durgapur) & local Police Authority of Durgapur.

AND WHEREAS, Board official has conducted inspection of the industry immediately and the following observations were made:

- While approaching through NH 2 towards the industry main gate, it was noticed that a portion of National Highway close to the industry was partially covered with brown coloured dust and visibility was poor.
- After entering the plant area and on enquiry to the concerned GM (Environment), it was learnt that the gas main pipeline carrying Coke Oven gas for Battery 5 & 6 was ruptured early in the morning and it resulted in high fugitive emission in the surrounding area. The inspecting officer immediately went to Coke oven section and it was observed that very high quantity of coke oven gas was bled off through bleeder stacks of Coke oven battery 5 & 6. On verbal instructions by the inspecting official, the industry personnel stopped pushing & charging operations for both the Coke Ovens.
- The industry has informed that due to non-availability of any bypass pipelines through exhauster of Coke oven 5 & 6, it has no option left than to bleed off the gas through bleeder stacks to avoid pressure build up within the batteries.

AND WHEREAS, the industry was called for a hearing by Board on 26/06/2018. Senior officials of the industry attended the hearing and explained the incident occurred on 16.06.2018 which is briefed below:

- On Saturday 16/06/2018 morning, at around 7-30a.m. there was an incident of red smoke coming out from Steel Melting Shop roof top. It happened due to choking of the Converter No.-1 scrubber where flue gas is cleaned and sent to BOF gas holder through ESP. Immediately thereafter the converter was isolated for maintenance of the scrubber and at 9-30a.m. the emission of red smoke was controlled. In the existing design of the converters, there is no provision for arresting fugitive emission, this smoke gets vented through the shop roof into open atmosphere. Installation of Dog House for containing the fugitive emission from converters of steel melting shop has been taken up at DSP.
- On the same day at around same time a leakage was noticed in the clean coke oven gas line feeding to Battery no. 5 & 6. Immediately decision was taken to isolate and work on the gas line by taking emergency shut down by stopping exhauster for depressurizing coke oven battery no. 5 & 6. Accordingly, raw coke oven gas from Gas Collecting Main(GCM) of battery 5 & 6 had to be bled from 8-00a.m. to 12-45p.m., as in the existing coke oven battery there is no other way to depressurize the GCM but to open the bleeder valves.
AND WHEREAS, the industry was inspected by IIT, Kharagpur, third party agency engaged by CPCB on 12/04/2018 and the analysis report of effluent samples indicates following non-compliance:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Sample Collected from</th>
<th>Parameter</th>
<th>Value Obtained</th>
<th>Permissible Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Outfall 1</td>
<td>TSS</td>
<td>110 mg/l</td>
<td>100 mg/l</td>
</tr>
<tr>
<td>2.</td>
<td>Outfall 2</td>
<td>Fe</td>
<td>9.186 mg/l</td>
<td>1 mg/l</td>
</tr>
</tbody>
</table>

NOW THEREFORE, in view of the above, M/s. Durgapur Steel Plant, SAIL, located at P.O. + P.S. Durgapur, Dist. Paschim Bardhaman, Pin -713203 is hereby directed as follows:

i. Installation of Dog House for containing the fugitive emission from converters of steel melting shop shall be completed within December, 2019.

ii. The industry shall arrange for retrofitting of self-igniting, auto-opening flare bleeder at the existing coke oven batteries and submit time bound action plan in this regard.

iii. Preventive maintenance of the gas line shall be ensured at regular interval to avoid occurrence of such incident in future.

iv. The industry shall take necessary steps for proper functioning of the ETP so as to comply with the permissible standards.

v. The industry shall arrange for maximum reuse/recycle of treated effluent and initiate steps to achieve ZLD.

vi. The industry shall execute a Bank Guarantee (proforma enclosed) of Rs.10,00,000/- (Rupees ten lakhs) 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 (Corporation Bank IFSC Code CORP 0000663) as an assurance to comply with the environmental norms as well as Board’s direction.

This direction is issued in exercise of the powers conferred under the provision of Section 33A of Water (Prevention & Control of Pollution) Act, 1974, Section 31A of Air (Prevention & Control of Pollution) Act 1981 and the Environment (Protection) Act, 1986.

This order has the approval of the Competent Authority.

By Order,

Sd/-
Sr. Environmental Engineer & In-Charge
Operation & Execution Cell
West Bengal Pollution Control Board