Memo No. 140-WPBA/Red(Pol)/Cont(82)/(2002)  
Date: 25/05/2017

**DIRECTION**

WHEREAS, M/s. Maithan Steel & Power Ltd., located at Vill.- & P.O.: Bonra, P.S.: Neturia, Dist- Purulia, Pin-723121 (hereinafter referred to as the industry) is a sponge iron industry having 2 x 100 TPD Rotary Kilns. The Kilns are provided with ESP as Air Pollution Control device and connected to a common stack of height 30 m from GL. For the cooler discharge, product house and coal crusher, the industry has separate Bag filter and stack of height approx. 25 m from GL.

AND WHEREAS, the industry was inspected on 07.02.2017 by the official of the Asansol Regional Office of the State Board (hereinafter referred to as the Board) when the following noncompliance were observed.

i. ABC cap was open. Huge black flue gas emission was observed both from the stack as well as ABC of the rotary kiln.
ii. Dry fog systems were not found.
iii. Heaps of coal and iron fines were observed to be dumped in open space.
iv. Most of the water sprinkling system were in defunct condition.
 v. Opacity meter was not in working condition.
vi. High fugitive emission was observed from the entire plant.
vii. Plantation within the factory premises was inadequate.

AND WHEREAS, there was also a mass public complaint against the industry regarding air (dust) pollution and discharge of contaminate waste water to Choto Jhar and affecting the agriculture.

AND WHEREAS, Stack sampling was carried out during earlier inspection on 05.01.2017 from different stacks of the industry and the industry had failed to meet the emission standard. Results are as follows.

<table>
<thead>
<tr>
<th>Sl. no.</th>
<th>Stack connected to</th>
<th>Concentration of PM (mg/Nm³)</th>
<th>Permissible standard (mg/Nm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Stack connected to rotary kiln 1 &amp; 2</td>
<td>470.67</td>
<td>100</td>
</tr>
<tr>
<td>2.</td>
<td>Stack connected to cooler discharge</td>
<td>115.65</td>
<td>100</td>
</tr>
</tbody>
</table>

Consent to operate of the industry is valid upto 31.05.2017.

AND WHEREAS, the industry was called for a hearing on 18.04.2017 for such non-compliance of environmental norms as observed during inspection. The representative of the industry appeared in the hearing and agreed to the above mentioned observation of the Board.

AND WHEREAS, the industry has submitted a point wise reply to the above mentioned noncompliance on 26.04.2017, which are as follows:

- ESP attached to both the kilns is running efficiently and both the ABC caps are fully sealed.
- After modification, dry Fog systems are fully functional.
- Major quantity of coal and iron ore are stored under the shed, some quantity is kept outside with tarpaulin cover.
- Presently, water sprinklers are in operation for controlling secondary dust emission
- Area for tree plantation has been identified and plantation will be completed before monsoon.
- RCC Catch-pit for collection of iron ore wash water has been constructed.
- Online emission monitoring system is functioning.
NOW THEREFORE, considering the submission of the industry, M/s. Maithan Steel & Power Ltd., located at Vill.- & P.O.: Bonra, P.S.: Neturia, Dist- Purulia, Pin-723121 is hereby directed as follows:

1. **That**, the industry shall carry out thorough overhauling of the pollution control devices at regular interval and always operate with proper functioning of pollution control systems so as to comply with the environmental norms for both stack emission as well as fugitive emission.

2. **That**, the industry shall take shut down of its manufacturing activity whenever the pollution control system fails to function and the same will be intimated to the Board.

3. **That**, the industry shall arrange for extensive plantation in and around factory premises.

4. **That**, the industry shall properly maintain and operate water sprinklers and ensure sufficient water supply so as to minimize fugitive dust emission.

5. **That**, the industry shall store raw materials, coal and iron fines under covered shed.

6. **That**, the industry shall take necessary steps to prevent contamination of adjacent agricultural land with surface runoff.

7. **That**, the industry shall strictly follow the directives issued by the Board vide memo no. 1044-4A/WPB/CE-II/GEN/2008 dt. 01.06.2012.

8. **That**, the online monitoring system to be maintained properly and data transfer to CPCB server to be done. Calibration of the online emission monitoring equipment needs to be carried out at regular interval.

9. **That**, the industry shall execute a Bank Guarantee (proforma enclosed) of Rs.3,00,000/- (Rupees three 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 above direction.

The Environmental Engineer, Asansol Regional Office of the Board is requested keep strict vigil on the industry. In case of further noncompliance by the industry, the State Board will take regulatory action like closure with disconnection of electricity.

This direction is issued in exercise of the powers conferred under the Water (Prevention & Control of Pollution) Act, 1974 and the Environment (Protection) Act, 1986 and Rules made thereunder, and has approval of the competent authority of the Board.

By Order,

Sd/-
Senior Environmental Engineer &
In-charge of O & E Cell
West Bengal Pollution Control Board