WHEREAS, M/s. Shakambhari Ispat & Power Ltd. (hereinafter referred to as the industry) located at Vill.-Madandih, P.O.- Bartoria, P.S.- Neturia, Dist.- Purulia, Pin-723 121 is a sponge iron, M.S. Ingot manufacturing industry having 3X100 TPD Rotary Kilns, 2X12 MT, 1X8 MT & 1 x 25 MT/heat Induction Furnaces and 15MW Captive Power Plant.

AND WHEREAS, on the basis of a public complaint, the industry was inspected by the official of the West Bengal Pollution Control Board (hereinafter referred to as the Board) on 17.01.2017. During inspection all the furnaces (Rotary Kilns and Induction furnaces) were in operation. But boilers (WHRB and AFBC) were not in operation since 11.11.2016 as the turbine was burnt out. Apart from this, other non-compliance as observed during inspection are as follows:

i. Water sprinkling systems were found in several places but few of them were functional.
ii. Thick layer of dust was found to be deposited on the internal concreted/paved road and in other open spaces.
iii. Heaps of raw materials, ESP and bag filter dust were observed to be stored in open space.
iv. Huge visible emission was noticed from the stack of cooler discharge and product house.
v. Air pollution control device (ESPs ) of the rotary kilns were not functional resulting in visibly dense emission from the rotary kilns cap.
vi. Bag filters (two number for cooler discharge, one number for product house, two numbers for intermediate bins, one number for SMS and one number for coal crusher were not in operation.
vii. Huge fugitive emission was observed throughout the industry premises.
viii. Discharge points were not covered.
ix. Leakages were found from the cap of ABC and slip seal ring.
x. Opacity meters were not functioning.
xi. 16 point directives were not been complied with.

AND WHEREAS, stack sampling was carried out during inspection from different stacks and the results obtained are as follows

<table>
<thead>
<tr>
<th>Stack connected to</th>
<th>Concentration of PM (mg/Nm$^3$)</th>
<th>Permissible standard (mg/Nm$^3$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stack connected to Cooler Discharge no.1</td>
<td>13.40</td>
<td>100</td>
</tr>
<tr>
<td>Stack connected to Intermediate bin</td>
<td>196.67</td>
<td>100</td>
</tr>
<tr>
<td>Stack connected to the Product House -1</td>
<td>147.52</td>
<td>100</td>
</tr>
<tr>
<td>Stack connected to the Product House -3</td>
<td>280.61</td>
<td>100</td>
</tr>
</tbody>
</table>

AND WHEREAS, non-compliances were also observed during previous inspections and a BG amounting to Rs. 10 lacs was imposed on 02.09.2015.

AND WHEREAS, the Consent to Operate of the industry is valid upto 31/07/2018.

AND WHEREAS, the industry was called for a hearing by the Board on 17/03/2017 for such non-compliance of environmental norms as observed during inspection by the Board officials.
AND WHEREAS, the representatives of the industry appeared in the hearing and agreed with the above mentioned observations. The industry has submitted a letter on 23.03.2017 giving point-wise reply to the non-compliances as mentioned above which are summarized as follows:

i. The captive power plant was non-functional since 11.11.2016 due to abrupt stoppage of turbine, hence air pollution control system attached to WHRB was non-functional. The industry has procured new turbine and it is under commissioning which is expected to be completed by this month.

ii. Entire dolochar will be consumed in the CPP once it is commissioned.

iii. All worn out bags of the bag filter of product house and cooler discharge have been replaced and the bag filters are now functioning satisfactorily. Moreover, thorough maintenance of the bag housed attached to the Intermediate Bin, Induction furnaces, coal crusher have been undertaken.

iv. Transfer points and discharge chutes have been properly enclosed.

v. Leakages in ABC Cap, inlet and outlet of Rotary Kilns have been thoroughly repaired and replaced with new seals.

vi. Arrangement is under way to store rain water.

vii. Additional storage sheds for raw materials and coal fines will be constructed soon.

viii. Mounted water sprinklers are being installed at different locations in addition to water tankers already deployed.

ix. Installation of opacity meter is in progress.

AND WHEREAS, the industry is a perpetual violator of environmental norms. State Board had received several public complaints against the industry on previous occasions. The members of the technical committee have expressed serious concern during the hearing.

NOW THEREFORE, considering the submission made by the industry, M/s. Shakambhari Ispat & Power Ltd. located at Vill.- Madandih, P.O.- Bartoria, P.S.- Neturia, Dist.- Purulia, Pin-723 121 is hereby directed as follows:-

1. That, the industry shall 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 should be intimated to the Board.

3. That, the industry shall install water sprinklers including mounted water sprinkler at appropriate locations within the factory premises and ensure sufficient water supply to minimise fugitive dust emission.

4. That, the road condition and overall house-keeping of the plant need to be improved.

5. That, online monitoring systems shall be installed within 30.04.2017.


7. That, the industry shall take initiatives for extensive tree plantation in and around factory premises.

8. That, the industry shall strictly follow the directives issued by the Board vide Memo No. 1044-4A/ WPB/CE-II/GEN/2008 dated 01/06/2012.

The industry 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 (Corporation Bank IFSC Code CORP 0000663) as an assurance to comply with the Board’s direction.

The Environmental Engineer, Asansol Regional Office of the Board shall keep strict vigil on the industry. In case of further non-compliance by the industry, the State Board will take legal action like closure with disconnection of electricity.

This direction is issued in exercise of the powers conferred under the provision of Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act, 1986 and Rules made thereunder after being approved by the Competent Authority.

By Order,

Sr. Environmental Engineer & In-charge
Operation & Execution Cell
West Bengal Pollution Control Board