WHEREAS, M/s. Durgapur Projects Ltd. (hereinafter referred to as the industry) located at P.O.-Durgapur, P.S.- Coke Oven, Dist.- Burdwan, Pin – 713 201 is a coal based thermal power plant and a recovery type Coke Oven Plant.

AND WHEREAS, the industry has 3 nos. boilers for generation of power of capacity 1X110 MW, 1X300 MW & 1X250 MW (cumulative power generation 660 MW) and 3 nos. coke oven batteries. All the boilers of power plant are equipped with individual ESP as air pollution control device (APCD).

AND WHEREAS, the industry was inspected by the WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 04/08/2015, 05/08/2015 & 06/08/2015. During inspection none of the coke oven batteries were in operation, only boiler of unit #8 (250 MW) was found in operation without operating the ESP resulting in very high emission through the stack. It was noticed from the Distributed Control System (DCS) of Control room of unit no. #8 that the said industry was operating with oil gun along with coal fired system. It was learnt from the Sr. Manager (Operation) of the industry that they were operating the unit no. #8 with oil support because of low volatile matter in the supplied coal and inadequate space availability in the fly ash storage silo. Unit no. #8 is not connected to any ash pond and this particular unit has dry ash disposal facility. Online stack monitoring system at unit #8 was not working properly.

AND WHEREAS, the stack sampling for the stack of unit no. #7 (Pass-A & Pass-B) was carried out on 08/07/2015 and the industry failed to comply with the PM emission standard (259.48 mg/Nm$^3$ & 328.23 mg/Nm$^3$ against the permissible limit of 50 mg/Nm$^3$). The industry also failed to meet the liquid effluent discharge standard for the effluent sample collected on 08/07/2015. Result is shown below:

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sampling point</th>
<th>Parameter</th>
<th>Results obtained (mg/l)</th>
<th>Permissible limit (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/07/2015</td>
<td>COBP, Power Plant and Ash Pond Outlet (Combined)</td>
<td>TSS</td>
<td>620</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Ash Pond Overflow</td>
<td>TSS</td>
<td>1586.0</td>
<td>100</td>
</tr>
</tbody>
</table>

AND WHEREAS, the industry has submitted a letter on 10/08/2015 mentioning that they have shut down the unit no #8 at 8.43 hrs. on 09/08/2015 and lighted up unit no. #7. Unit no. 8 will be again operated based on availability of ash bulkers. It was observed during inspection on 14/08/2015 that the ESP of unit no.#7 was not stabilized resulting in very high emission through the stack. The industry has informed that systematic cooling of coke oven battery no. 5 was started w.e.f. 03/07/2015 due to unavailability of coking coal and cooling down process has been completed on 06.08.2015.

AND WHEREAS, the industry has submitted a letter on 03/08/2015 requesting to release the Bank Guarantee of Rs. 5.00 lakh (BG validity expired on 10.07.2015) which was earlier imposed upon the industry on 09/06/2014 and also to relieve from submission of a Bank Guarantee of Rs. 10.00 lakh which was imposed on 19/06/2015, as the coke oven plant has totally closed.
AND WHEREAS, the industry was called for a technical hearing on 21/08/2015 at the head office of the Board due to violation of environmental norms as recorded above.

AND WHEREAS, the representatives of the industry appearing in the hearing agreed with the above mentioned observations of the Board. They submitted that in recent times high stack emission for unit no. 7 & 8 was observed due to poor quality of coal received from M/s. Mahanadi Coalfields Limited and M/s Bharat Coking Coal Limited. Frequent tripping of unit no. 7 also occurred during 2nd week of August 2015 causing high stack emission. They also submitted that unit no. 6 is under shut down from 24/04/2014 and the said unit will be put into operation in the month of March-April 2016 after thorough maintenance of boiler and ESP. They mentioned that they have three ash ponds and the combined holding capacity is 1.20 million Cu.m. The industry has been allotted with three abandoned open cast mine (OCM) of M/s. Eastern Coalfields Limited for disposal of pond ash and they have issued LOI to M/s. Coal Mines Associates Traders Pvt. Ltd., Kolkata for excavation and transportation of 1.22 lakh MT pond ash in first phase to abandoned open cast mine of M/s. Eastern Coalfields Limited. As stated, NHAI has already lifted around 2.00 lakh Cu.m. of ash from ash pond no. 1 for their six lane expansion project of NH-2 and presently they are lifting ash from ash pond no. 2. They stated that they have two ash silos of capacity 1200 MT each for unit. No. 7 and 1 no. ash silo of capacity 1650 MT for unit. No. 8 for collection of dry ash.

NOW THEREFORE, considering the violations recorded above and the submission made by the industry, the Board hereby directs M/s. Durgapur Projects Ltd. located at P.O.- Durgapur, P.S.- Coke Oven, Dist.- Burdwan, Pin – 713 201 as follows:

1. That, the industry shall always operate with efficient functioning of pollution abatement system in order to comply with the PM emission standard as well as liquid effluent discharge standard.

2. That, the industry shall ensure that boilers are operated with oil support for minimum possible time in order to control gaseous emission.

3. That, the industry shall excavate and remove settled ash from Ash Ponds so as to comply with the TSS discharge standard for the ash pond overflow.

4. That, the amount of Bank Guarantee shall be reduced to Rs. 5.00 lakh instead of Rs. 10.00 lakh which was earlier imposed vide order no. 53-7/WPBD-Cont(416)/98 Part-IV dated on 19/06/2015, considering the appeal of the industry and as operation of the Coke Oven Plant is stopped.

5. That, the Bank Guarantee of Rs. 5.00 lakh which is lying with the Board (BG validity expired on 10.07.2015) shall be released.

The Environmental Engineer, Durgapur Regional Office of the State Board is requested to keep strict vigil over the industry. If the industry is found to violate the above direction of the Board, stricter regulatory order will be initiated

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 as amended, after being approved by the competent authority.

By Order,

Sd/-
Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board