Memo No. 566-3661/WPB(HRO)-NOC/14

Date: 25/07/2014

WEST BENGAL POLLUTION CONTROL BOARD
( Department of Environment, Govt. of West Bengal )
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DIRECTION

WHEREAS, M/s. JVL Oil Refinery (A unit of JVL Agro Industries Ltd.) (hereinafter referred to as the industry), located at Mouza & P.O.- Debhog, P.S.- Bhabanipore, Dist.- Purba Medinipur, Pin – 721 657 is engaged in manufacturing of refined palm oil and refined soya/sunflower/rice bran oil of production capacity 11812 TPM & 12125 TPM respectively. The main emission sources of the industry are 1 (one) no. 18 TPH coal fired boiler and 1(one) no. coal fired Thermic Fluid Heater (TFH) of capacity 20 lac k.cal/hr. The boiler is provided with heat exchanger, multi cyclone, bag filter and ID fan as air pollution control device (APCD) and connected to a stack of height 50m from G.L. The TFH is equipped with bag filter as APCD and connected to a stack of height 30m from G.L.

AND WHEREAS, the industry had obtained ‘Consent to Operate’ from West Bengal Pollution Control Board (hereinafter referred to as the Board) on 08/10/2012 for 1 no. F.O. fired Thermic Fluid Heater (TFH) of capacity 20 lac k.cal/hr. but they have installed coal-fired TFH. A show cause notice was issued to the industry on 19/04/2013 in this regard. The industry applied for post facto CFE on 10/12/2013 for change of fuel for the said TFH but the said CFE has not been granted by the Board. The ‘Consent to Operate’ of the industry was valid up to 31/03/2013, but the fees is valid up to 31/08/2014. The industry has applied for Consent to Establish (expansion) on 14/02/2014 for additional production of refined palm oil of capacity 11,875 MT/month and installation of a new coal-fired TFH of capacity 20 lac k.cal/hr.

AND WHEREAS, during stack sampling carried out on 12/08/2013, 02/12/2013 and 03/03/2014 for the stacks attached to the coal fired boiler and TFH, the industry miserably failed to meet the PM emission standard. The results are tabulated below:-

<table>
<thead>
<tr>
<th>Date of sampling</th>
<th>Sample collected from</th>
<th>Results obtained (mg/Nm³)</th>
<th>Permissible limit (mg/Nm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/08/2013</td>
<td>Stack connected to boiler</td>
<td>363.55</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Stack connected to TFH</td>
<td>148.64</td>
<td></td>
</tr>
<tr>
<td>02/12/2013</td>
<td>Stack connected to boiler</td>
<td>1094.36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stack connected to TFH</td>
<td>1164.97</td>
<td></td>
</tr>
<tr>
<td>03/03/2014</td>
<td>Stack connected to boiler</td>
<td>1969.60</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stack connected to TFH</td>
<td>4119.26</td>
<td></td>
</tr>
</tbody>
</table>

The Board issued show cause notice on 09/10/2013, 15/01/2014 and 25/04/2014 for the above non-compliance. The industry submitted a letter on 04/04/2014 mentioning that they will modify the APCD attached to the boiler.

AND WHEREAS, the industry was called for a hearing on 27/05/2014 at the head office of the board for non-compliance of environmental norms.

AND WHEREAS, the C.E.O. of the industry appearing in the hearing agreed with the above mentioned observations of the Board. He submitted that they would install new air pollution control device for the boiler and the TFH within August 2014 to maintain the PM emission within specified standard and requested to allow the industry to operate the TFH with coal. He submitted that presently only physical refining activity is carried out and hence no liquid effluent is generated from the industry.
AND WHEREAS, the Technical Committee has made it clear to the industry representative that the permissible limit of 50 mg/Nm\(^3\) must be maintained for the boiler and the TFH and the APCD has to be upgraded/modified accordingly as the industry is situated at the critically polluted area of Haldia. The NOC applications for change of fuel and also for production enhancement will be processed only after obtaining stack monitoring report for the existing boiler and TFH.

NOW, THEREFORE, considering the above, M/s. JVL Oil Refinery (A unit of JVL Agro Industries Ltd.) located at Mouza & P.O.- Debhog, P.S.- Bhabanipore, Dist.- Purba Medinipur, Pin – 721 657 is hereby directed as follows:

1. **That**, the industry shall not carry out any chemical refining activity without prior permission of the Board and until the ETP becomes fully operational.

2. **That**, the industry shall either upgrade the existing APCD or install new APCD for the existing boiler and TFH within August 2014 in order to meet the permissible standard of 50 mg/Nm\(^3\).

3. **That**, 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 as an assurance to comply with the above direction.

The Environmental Engineer, Haldia Regional Office of the Board is requested to inspect and conduct stack emission monitoring at the industry after 31st August, 2014 to verify the compliance status of the above direction and if the industry is found to be non-complying, stricter regulatory order will be issued.

This direction is issued in exercise of the powers conferred under provisions of the Water (Prevention & Control of Pollution) Act, 1974, 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 (O & E Cell)
West Bengal Pollution Control Board