AGENDA No. 07:

Name and Address of the industry : M/s. Agarwal Induction Furnace Pvt. Ltd., Sy.No.38-5B, 49-5B, 137-1, 137-1F, 51-1B & 51-1C, Gollapuram (V), Hindupuram (M), Anantapur District.

Current Status : The industry is in operation.

Nature of industry : Induction Furnace


Whether the industry is closed earlier : --

Details of revocation of closure/stop production orders, if issued. : --

Any unconsented products produced : --

Whether it is Fresh case / Old case and its Status : Fresh Case.

Reasons for current review : Non-compliance of consent order conditions


Bank Guarantee status : --

FACTS OF CASE:

1. M/s. Agarwal Induction Furnace Pvt. Ltd., Sy.No.38-5B, 49-5B, 137-1, 137-1F, 51-1B & 51-1C, Gollapuram (V), Hindupuram (M), Anantapur District is engaged in manufacturing of MS billets – 300 TPD.

2. The Board issued Consent for Operation and Hazardous Waste Authorization order vide dt.03.02.2017 duly stipulating conditions which is valid upto 31.08.2021.

3. The industry is utilization water for cooling purpose (8 KLD) and domestic (3 KLD) and generating cooling tower blow down 3.2 KLD and 0.5 KLD of domestic effluents. The industry has adopted closed circuit system for cooling water.

4. Details of air pollution:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Surface of pollution</th>
<th>Control equipment provided</th>
<th>Flow rate in m³/hr.</th>
<th>Stack height in Mts – above GL</th>
<th>Limiting standard prescribed by Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Induction furnace &amp; LRF of capacity 1 x 30 MT</td>
<td>Fume extraction and cleaning system with bag filters</td>
<td>--</td>
<td>30 mts</td>
<td>SPM mg/Nm³ 100</td>
</tr>
<tr>
<td>2</td>
<td>D.G. set of capacity – 500 KVA</td>
<td>Silencer</td>
<td>--</td>
<td>7 mts above the building</td>
<td>SPM mg/Nm³ 100</td>
</tr>
</tbody>
</table>

5. Non-Hazardous Solid Waste Details:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Waste</th>
<th>Source of generation</th>
<th>Quantity of waste</th>
<th>Disposal option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Slag</td>
<td>From induction furnace</td>
<td>130 TPD</td>
<td>Used in Road construction.</td>
</tr>
</tbody>
</table>
6. Inspecting officer’s remarks:

a. The industry was issued with consent for operation of the Board vide order dt.30.03.2015 for manufacture of the above products. The industry has applied for renewal of CFO of the Board.

b. The major sources of air pollution from industry is induction furnace & LRF of capacity 30 MT and the industry has provided fume extraction system connected to APCE i.e. Pulse Jet Bag Filter to control flue gas emissions from the furnace.

c. The industry is using large quantity of scrap having plastics and other debris etc., for melting in the induction furnace causing severe emissions from the furnace. Huge heaps of scrap was noticed near the furnace.

d. The industry is not operating the fume extraction system connected to APCE regularly and the fugitive emissions are being observed around the furnace. These fugitive emissions are being escaping through the roof of the shed as the industry is not operating the fume extraction system connected to the APCE thereby emissions are dispersed through roof.

e. As per the consent order dt.03.02.2017, the industry shall maintain interlocking system within 2 months for the APCE attached to the furnace with raw material feeding system so that the feeding of the raw material would be stopped in case APCE fails. Whereas, the industry has not provided the interlocking system to the APCE till now.

f. Also, the Board vide CFO order dt.30.02.2017 has directed the industry to provide the roof top extraction system within six months to control the emissions. Whereas, the industry has not provided roof top extraction system till now.

g. The industry has not provided energy meter for the operation of the APCE provided to the induction furnace and is not maintaining any records.

h. The industry has installed slag crusher without obtaining CFE / CFO of the Board. Also, the industry has not provided APCE to the slag crusher to control the fugitive dust emissions during the slag crushing.

i. The industry has not laid internal roads with bitumen / concrete to avoid dust emissions during the movement of vehicles.

j. The industry is maintaining the records of daily production, log books for pollution control systems, daily solid waste generated and disposed thereby non complying with the conditions stipulated in CFO order dt.03.02.2017.

k. The industry has not provided water meters for assessing the water consumption for the various purposes.

l. As per the consent order dt.03.02.2017, the industry shall develop green belt of the total area with tall growing trees in the vacant spaces of the unit. The industry shall take proper measures for survival of the saplings planted. Whereas, the industry has not developed green belt of 10 mtrs width along the boundary and also in the vacant places in the premises till now.

m. The Board officials have conducted stack monitoring for the stack attached to the induction furnace & LRF furnace of capacity 1 x 30 tons on 12.12.2018 and as per the analysis report the value of Particulate matter is 169 mg/Nm3 as against the standard of 100 mg/Nm3.

n. The Board officials have conducted AAQ monitoring near the store room within the premises on 11.12.2018 and as per analysis report the value of PM10 is 201 µg/m3 as against the standard of 100 µg/m3.

The EE, RO, Kurnool recommended to review the industry before EAC (TF) meeting and suitable decision may be taken.

Conclusion:

In view of the above, the External Advisory Committee is requested to discuss the issue and recommend further course of action.

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