AGENDA ITEM FOR THE CONSENT FOR ESTABLISHMENT
COMMITTEE MEETING TO BE HELD ON 22.10.2019
AT A.P. POLLUTION CONTROL BOARD, ZONAL OFFICE, KURNOOL.

CFE AGENDA ITEM No. 12
Dt.22.10.2019
M/s. Sri Varsha Food Products India Ltd., Sy.No. 47/2 to 47/10, 52/1 to 52/7, 57/9, 57/13, 54/1 & 56 etc., Thukivakam (V), Renigunta (M), Chittoor District.

I. M/s. Sri Varsha Food Products India Ltd., Sy.No. 47/2 to 47/10, 52/1 to 52/7, 57/9, 57/13, 54/1 & 56 etc., Thukivakam (V), Renigunta (M), Chittoor District has obtained CFO vide order dt.08.03.2016 to the industry to produce Fruit Pulp & Fruit Concentrate – 120 MT/Day which is valid upto 31.05.2020.

II. Now, the industry has applied for CFE Expansion for installation of 2 x 6.0 TPH Boiler with a proposed project cost of Rs.0.60 Crores.

1. Applied through OCMMS & 04.11.2019
2. Line of activity Red Hazardous
3. Date of Receipt of the CFO application at RO 08.10.2019
4. Date of Receipt of addl. information at RO ---
5. Date of RO Inspection 15.10.2019
6. Date of Receipt of consent verification report at ZO 18.10.2019
7. Project cost 0.60 Crores
8. CFE fee Fee paid Rs.6,000/- through online receipt No. 810366573, Dt.08.10.2019.

9. Area details:
   i) Total area 11.5 Ac
   ii) Built up area 6.0 Ac
   iii) Greenbelt 4.0 Ac
   iv) Nearest human habitation S.N.Puram (V) is existing at a distance of about 80 mts from the existing industry.
   v) Nearest water body There is no water body within 500 m radius

10. Surroundings
    North: Thukivakam Panchayath Road
    South: Vacant Lands followed by Srikalahasti – Puthalapattu SH Road.
    East: Vacant Lands
    West: Vacant Lands

11. Raw materials:

   Sl. No. | Name of the Raw materials and chemicals | Quantity (Kg/day)
   --------------- | ----------------------------------- | ---------------
   1 | Mango, Guava, Tomato, Papaya Raw fruits | 240 MT/Day

12. Products / activity:

   Sl. No. | Name of the Products and By-products | Proposed capacity (Kg/day)
   --------------- | ----------------------------------- | ---------------
   1 | Fruit Pulp & Fruit Concentrate | 120 MT/Day

13. Source of Water: Bore well

14. Water Consumption:

   Sl. No. | Purpose | Existing as per CFO order dt. 08.03.2016 (in KLD) | Proposed | Total after expansion
   --------------- | ----------------------------------- | --------------- | --------------- | ---------------
   a | Process, Washings & Boiler feed | 90.0 KLD | -- | 90.0 KLD
   b | Cooling makeup | 20.0 KLD | -- | 20.0 KLD
   c | Domestic | 10.0 KLD | -- | 10.0 KLD
   d | Boiler feed | -- | 20.0 KLD | 20.0 KLD
   Total | | 120.0 KLD | 20.0 KLD | 140.0 KLD

15. Waste water generation:

   Sl. No. | Source | Existing as per CFO order dt. 08.03.2016 (in KLD) | Proposed | Total after expansion
   --------------- | ----------------------------------- | --------------- | --------------- | ---------------
   a | Process & Washings | 85.0 KLD | -- | 85.0 KLD
   b | Cooling Blow down | 4.0 KLD | -- | 4.0 KLD
   c | Domestic | 8.0 KLD | -- | 8.0 KLD
   d | Boiler Blow down | -- | 3.0 KLD | 3.0 KLD
   Total | | 97.0 KLD | 3.0 KLD | 100.0 KLD
16. Details of ETP: NA

<table>
<thead>
<tr>
<th>Source of effluent</th>
<th>Capacity of Treatment units</th>
<th>Mode of final disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade effluents</td>
<td>--</td>
<td>Onland for irrigation within the premises after treatment and meeting the discharge standards</td>
</tr>
<tr>
<td>Domestic</td>
<td>--</td>
<td>Septic tank followed by soak pit</td>
</tr>
</tbody>
</table>

17. Air Pollution:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Details of Stack</th>
<th>Stack 1</th>
<th>Stack 2</th>
<th>Stack 3 Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>b.</td>
<td>Capacity</td>
<td>630 KVA</td>
<td>1 x 3 TPH</td>
<td>2 x 6 TPH</td>
</tr>
<tr>
<td>c.</td>
<td>Name of the Fuel :</td>
<td>HSD</td>
<td>Coal/Briquette/Seeds and peels Boiler</td>
<td>Coal/Briquette/Seeds and peels Boiler</td>
</tr>
<tr>
<td>d.</td>
<td>Stack height above ground (m.)</td>
<td>--</td>
<td>18 mts</td>
<td>33 mts</td>
</tr>
<tr>
<td>e.</td>
<td>Air Pollution Control Equipment:</td>
<td>--</td>
<td>Dust Collector</td>
<td>Dust Collector</td>
</tr>
</tbody>
</table>

18. Solid Waste and its disposal:

<table>
<thead>
<tr>
<th>Source of solid waste</th>
<th>Existing quantity as per CFO order dt 08.03.2016</th>
<th>Proposed quantity</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mango Stones &amp; Peels</td>
<td>120 TPD</td>
<td>--</td>
<td>Shall be used as fuel in the boiler</td>
</tr>
<tr>
<td>ETP Sludge</td>
<td>50 Kgs/Day</td>
<td>--</td>
<td>Shall be used as manure</td>
</tr>
<tr>
<td>Waste Oil</td>
<td>--</td>
<td>20 LPA</td>
<td>Shall be disposed to authorized recyclers/ cement industries for co-processing.</td>
</tr>
<tr>
<td>Boiler Ash</td>
<td>--</td>
<td>0.5 TPA</td>
<td>Shall be disposed to brick manufacturing units.</td>
</tr>
</tbody>
</table>

19. Compliance of the industry on Schedule- B Conditions of CFO order dt: 08.03.2016

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Condition</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Water Pollution:</td>
<td>Applied for permitted quantities</td>
</tr>
<tr>
<td></td>
<td>The source of water being Bore well. The following is the permitted water consumption.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sl. No</td>
<td>Purpose</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Process, Washings &amp; Boiler Feed</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Cooling makeup</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Domestic</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>The industry shall not discharge any waste water to outside the factory premises under any circumstances.</td>
<td>During inspection, it was observed that the industry is not in operation due to off season as well as Board issued closure order and it was observed that the industry is not discharging any wastewater outside the premises.</td>
</tr>
<tr>
<td>3</td>
<td>The industry shall comply the following effluent the norms notified by MoEF &amp; CC vide Notification No: G.S.R.794 (E) dated 04.11.2009.</td>
<td>During inspection, it was observed that the ETP is not in operation due to off season as well as Board issued closure order.</td>
</tr>
</tbody>
</table>
The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

<table>
<thead>
<tr>
<th>Chimney No.</th>
<th>Parameter</th>
<th>Emission Standards (mg/Nm$^3$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SPM</td>
<td>115</td>
</tr>
</tbody>
</table>

The industry should comply with emissions limits for DG sets up to 800 KW as per the Notification G.S.R.520(E), dated 01.07.2003 under the Environment (protection) Amendment Rules, 2003 and G.S.R.448 (E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW should comply with emission limits as per the Notification G.S.R.489 (E),dated 09.07.2002 at serial no.96, under the Environment (Protection) Act,1986

During inspection, it was observed that the industry is not in operation due to off season as well as Board issued closure order.

The industry should comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/m$^3$; PM2.5 (Particulate Matter size less 2.5µm) - 60 µg/m$^3$; SO$_2$ - 80µg/m$^3$; NOx - 80µg/m$^3$; outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

**Noise Levels:**
- **Day time** (6 AM to 10 PM) - 75 dB (A)
- **Night time** (10 PM to 6 AM) - 70 dB (A)

**During inspection, it was observed that the industry is not in operation due to off season as well as Board issued closure order.**

The industry should construct lined plat form with leachate collection system for drying of seeds & peels and the leachate collected shall be sent to ETP for further treatment.

**Not provided.**

The industry shall develop green belt along the boundary and in all the vacant places to cover at least 33% of the total area.

**Not complied.**

The industry shall dispose solid waste (NON HAZARDOUS) as follows

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Solid Waste</th>
<th>Quantity</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mango Stones &amp; Peels</td>
<td>120 TPD</td>
<td>Shall be used as fuel in the boiler</td>
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<td>2</td>
<td>ETP Sludge</td>
<td>50 Kgs/Day</td>
<td>Shall be used as manure</td>
</tr>
</tbody>
</table>

Applied for existing Non-Hazardous waste and also for Waste oil – 20 LPA and Boiler ash 0.5TPA.
20. **Inspecting officer & RO’s remarks:**

   a. M/s. Sri Varsha Food Products India Ltd., Sy.No 47/2 to 47/10, 52/1 to 52/7, 57/9, 57/13, 54/1 & 56 etc., Thukivakam (V), Renigunta (M), Chittoor District is a seasonal industry to produce fruit pulp & concentrate – 120 MT/Day by using mango, Guava, Tomato & Papaya fruits etc as raw materials, which has obtained CFO of the Board valid up to 31.05.2020.

   b. Now, the industry applied for CFE Expansion for establishment of 2 x 6 TPH Boiler with an additional investment of Rs. 60.00 Lakhs and paid CFE fee of Rs.6,000/- through online receipt No. 810366573, Dt.08.10.2019 under RED – Haz category.

   c. During the inspection, it was observed that industry is not in operation due to off season as well as Board issued closure order to the industry and also observed that the industry has installed 2 x 6 TPH boilers and erection of bag filter works are under progress and up-gradation of ETP is under progress.

   d. Regarding water pollution, Industry proposed to consume additional water of 20.0 KLD for Boiler feed in addition to the existing water consumption issued vide order dt. 08.03.2016 and industry proposed to generates additional wastewater generation of about 3.0 KLD from the Boiler blow down during the expansion. The proposed wastewater is treated in the existing ETP.

   e. Regarding Air pollution, As per CFO order dt. 08.03.2016 industry has permitted to operate 1 x 3 TPH coal fired/ Briquettes/ Seed and peels and provided dust collector as APC equipment and chimney of height 18 mts for proper dispersion of emissions and also provided 1 x 630 KA DG set with acoustic enclosures.

   f. As per the CFO condition No.6 of Schedule – B industry was directed to apply CFE for another 3 TPH boiler and also as per the Task Force directions issued vide order dt. 09.03.2018 the industry was directed to apply for CFE/CFO of the Board for the 2 x 6 TPH boilers. At present the industry has applied for 2 x 6 TPH boilers and proposed to provide bag filter as Air pollution control equipment and provided common chimney of height 33 mts for proper dispersion of emissions. This may be examined.

   g. This office has submitted a report on 20.06.2019 for the Non compliance of CFO conditions and also Temporary revocation of Closure order directions dt. 09.03.2018 and as per the instruction of Board office vide order dt. 12.07.2019 this office has issued closure order on 12.07.2019.

In view of the above issuance of CFE Expansion for 2 x 6 TPH Boilers, additional water consumption (Boiler feed), Wastewater generation (Boiler blow down), Boiler ash and Waste Oils may be examined.

21. **RO’s Remarks:**

   Issue of CFE Expansion for 2 x 6 TPH Boilers, additional water consumption (Boiler feed), Wastewater generation (Boiler blow down), Boiler ash and Waste Oils may be examined.

22. **ZO’s Remarks:**

   The attached inspection report forwarded by the EE, RO, Tirupati may be reviewed.

   The issue is placed before the CFE Committee for review and recommendations.