CFO Committee Meeting Dt.16.09.2019

CFO Agenda Item No. : 4

1. Name and Address of the industry : M/s. NCL Alltek & Seccolor Ltd., Amudalapadu (V), Muthukur (M), SPSR Nellore District

2. Line of Activity : Manufacturing of AAC Bricks

3. Category of the industry : Orange-Haz

4. Status of Application (Fresh / Renewal) : Fresh

5. Date of commissioning : 28.02.2019

6. Earlier CFO validity : ---

7. Project cost : Rs.68.05 Crores

8. Water Fee Rs. + Air Fee Rs. : Rs.2,55,188/-

9. Fee paid upto : 31.08.2024

10. Date of Receipt at RO : 26.08.2019

11. Date of receipt of Application at ZO : 06.09.2019

12. Single desk last date : 18.09.2019

13. Environmental Clearance order no. and date : ---

14. Inspection conducted by : AEE, RO, Nellore

15. Date of RO inspection : 31.08.2019

16. Area details

| Total area | 15.82 Acres or 64007.72 Sq.Mtrs |
| Built up area | 15884.49 Sq.Mtrs |
| Greenery | About 200 Sq mtrs |

17. Surroundings

| North | Agricultural lands |
| South | Village road followed by Agricultural lands |
| East | Agricultural lands |
| West | Agricultural lands |

18. Raw materials used:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the Raw materials and chemicals</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fly Ash, Cement, Lime, Gypsum, Aluminum powder</td>
<td></td>
</tr>
</tbody>
</table>

19. Products and By-Products manufactured / produced.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the Products</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>AAC Bricks</td>
<td>800 Cum mtrs per Day</td>
</tr>
</tbody>
</table>

20. Water Pollution details

i) Water Consumption:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Purpose</th>
<th>Quantity (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Boiler</td>
<td>125.0</td>
</tr>
<tr>
<td>2.</td>
<td>Process</td>
<td>174.0</td>
</tr>
<tr>
<td>3.</td>
<td>Domestic</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>302.0</td>
</tr>
</tbody>
</table>
ii) Wastewater generation:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Source</th>
<th>Quantity (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>Domestic</td>
<td>2.0</td>
</tr>
<tr>
<td>2)</td>
<td>Boiler</td>
<td>5.0</td>
</tr>
<tr>
<td>3)</td>
<td>Process</td>
<td>12.0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>19.0</td>
</tr>
</tbody>
</table>

21. ETP details:

<table>
<thead>
<tr>
<th>Source of Effluent</th>
<th>Treatment provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiler blow down, Process, washings and autoclave condensate</td>
<td>Constructed lined pits for collection of autoclave condensate and provided pumping system for reuse</td>
</tr>
<tr>
<td>Domestic waste water</td>
<td>Septic tank followed by soak pit provided</td>
</tr>
</tbody>
</table>

22. Mode of Disposal of treated waste water:

- Boiler blow down, Process, washings and autoclave condensate - Constructed lined pits for collection of autoclave condensate and provided pumping system for reuse.
- Domestic - Septic tank followed by soak pit provided

23. Air pollution Details

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Details of Stack</th>
<th>Stack–1</th>
<th>Stack–2</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Attached to:</td>
<td>Boiler</td>
<td>DG set</td>
</tr>
<tr>
<td>b)</td>
<td>Capacity</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>c)</td>
<td>Fuel</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>d)</td>
<td>Stack height Above the ground</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>e)</td>
<td>Diameter / Size in Mts.</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>f)</td>
<td>Details of Air Pollution Control Equipment</td>
<td>Multi cyclone dust collector and Bag filter provided</td>
<td>Acoustic enclosures provided</td>
</tr>
<tr>
<td>g)</td>
<td>Emission standard</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

24. Solid / Hazardous waste generation:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Solid / Hazardous Waste</th>
<th>Stream Number as per HWM Rules</th>
<th>Quantity of Solid / Hazardous waste</th>
<th>Disposal Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Waste oil from the DG set</td>
<td>5.1 of Schedule -I</td>
<td>100 LPA</td>
<td></td>
</tr>
</tbody>
</table>

25. Compliance with earlier CFE/CFO conditions:

<table>
<thead>
<tr>
<th>Type</th>
<th>Conditions</th>
<th>Compliance status</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFE</td>
<td>The source of water is bore well and the maximum permitted water consumption is 600 KLD</td>
<td>The industry yet to start its production and directed to comply the water consumption limits</td>
</tr>
<tr>
<td>CFE</td>
<td>The Effluent Treatment Plant (ETP) shall be constructed and commissioned along with the commissioning of the activity. All the units of the ETP shall be made impervious to prevent ground water pollution.</td>
<td>The industry has not provided ETP</td>
</tr>
<tr>
<td>CFE</td>
<td>The domestic effluent shall be treated to on land</td>
<td>Septic tank followed by soak pits</td>
</tr>
<tr>
<td>CFE</td>
<td>Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below. a) Industrial cooling, spraying in mine pits. b) Domestic purposes. c) Processing, whereby water gets polluted and pollutants are easily biodegradable. d) Processing, whereby water gets polluted and the pollutants are not easily biodegradable.</td>
<td>One water meter provided to RO plant</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall comply with the following for controlling air pollution- FBC Boiler-12 TPH, Silos- 26 nos, DG set -500 KVA</td>
<td>Provided 12 TPH boiler with multi cyclone dust collectors and bag filter as air pollution control equipment with chimney of 30 mtrs height. Coal crusher of 5TPH capacity installed with bag filter. FOUR Numbers of Silos were installed with dust collector systems with capacities of 2x250 Tons and 2x200Tons, DG set of 500KVA installed with acoustic enclosures</td>
</tr>
<tr>
<td>CFE</td>
<td>The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time</td>
<td>Complied</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall not exceed the following Ambient Air Quality standards measured outside the factory premises at periphery of industry SO2 – 80 g/m3, NOx – 80 g/m3, PM2.5 – 60 g/m3, PM10 – 100 g/m3 Noise levels : Day time (6 AM to 10 PM) - 75 dB Night time (10 PM to 6 AM) - 70 dB(A).</td>
<td>Directed to comply the prescribed standards</td>
</tr>
<tr>
<td>CFE</td>
<td>The Air Pollution control equipment shall be installed along with the commissioning of the activity.</td>
<td>Provided 12 TPH boiler with multi cyclone dust collectors and bag filter and Coal crusher of 5TPH capacity installed with bag filter. FOUR Numbers of Silos were installed with dust collector systems with capacities of 2x250 Tons and 2x200Tons DG set provided with acoustic enclosures</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall comply Solid waste details mentioned in CFE order</td>
<td>Brick breakages waste proposed reuse in the process after shredding. ETP not provided</td>
</tr>
<tr>
<td>CFE</td>
<td>The following rules and regulations notified by the MOE&amp;F, GOI shall be implemented. a) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.</td>
<td>Directed to comply</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall properly collect 28 KLD of boiler blow down, process, washings and autoclave condensate waste water and treat the waste water in the ETP. After treatment in ETP, the treated waste water shall be reused in the process.</td>
<td>Lined pit provided for collection of condensate water and boiler blow down for reuse in the process</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall provide digital flow meter with</td>
<td>ETP not provided. The industry has</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall provide dedicated energy meter to ETP and maintain log registers.</td>
<td>No ETP</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall not discharge any wastewater outside the industry premises under any circumstances</td>
<td>Complying</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall provide digital flow meter with totaliser facility for measuring the water consumption and maintain log registers.</td>
<td>To be complied</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall provide air pollution control equipment (APCE) i.e. multi cyclone dust collectors followed by bag filters attached to the 12 TPH FBC Boiler, so as to meet the Board's emission standard of SPM-115 mg/Nm³.</td>
<td>Complied</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall provide air pollution control equipment (APCE) i.e. bag filters attached to the 26 no of silos, so as to meet the Board's emission standard of SPM-115 mg/Nm³.</td>
<td>FOUR Numbers of Silos were installed with dust collector systems with capacities of 2x250 Tons and 2x200Tons for storage of Cement, Lime and fly ash. The collected dust proposed to reuse</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall store all the raw materials in silos only and shall not store in an open area under any circumstances</td>
<td>The industry has provided 4 no of Silos for collection of raw materials</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall provide dedicated energy meters to multi cyclone dust collectors followed by bag filters attached to the 12 TPH FBC Boiler and bag filters attached to the 26 no of silos and maintain log registers</td>
<td>Complied</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall not dispose any solid waste outside the factory premises.</td>
<td>Directed to comply</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall not cause any air pollution / water pollution / noise pollution / odour nuisance to the surrounding environment.</td>
<td>Green belt development was started and planted about 100 no of saplings. The representative informed that they have started development green belt</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry. In any case, the minimum greenbelt shall be 33% of the total area.</td>
<td>Green belt development was started and planted about 100 no of saplings. The representative informed that they have started development green belt</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry. In any case, the minimum greenbelt shall be 33% of the total area.</td>
<td>Green belt development was started and planted about 100 no of saplings. The representative informed that they have started development green belt</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall not operate the industry without obtaining CFO of the Board.</td>
<td>Applied for CFO</td>
</tr>
<tr>
<td>CFE</td>
<td>The industry shall comply with all the directions issued by the Board from time to time</td>
<td>---</td>
</tr>
<tr>
<td>CFE</td>
<td>Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.</td>
<td>----</td>
</tr>
<tr>
<td>CFE</td>
<td>The Board reserves its right to modify above</td>
<td>---</td>
</tr>
</tbody>
</table>
conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.

<table>
<thead>
<tr>
<th>CFE</th>
<th>This Order is issued without prejudice to the rights and contentions of this Board in any court of law</th>
<th>---</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFE</td>
<td>The maximum Waste Water Generation (KLD) shall not exceed the 30 KLD</td>
<td>The industry constructed lined pits for collection of autoclave condensate and provided pumping system for reuse of the water in process. Septic tank followed by soak pits were provided for domestic effluents of the industry informed that the water consumption for the boiler is around 50 KLD and boiler blow down is 5 KLD</td>
</tr>
</tbody>
</table>

26. Complaints / Legal cases, if any :- 

27. Inspecting Officer’s Remarks:

1. The Zonal office has issued Consent For Establishment (CFE) to M/s. NCL Alltek & Seccolor Ltd to establish industry at Amudalapadu (V), Muthukur (M), SPSR Nellore Dist to produce AAC bricks -1600 Cum mtrs per Day by using Fly ash, Lime, Gypsum etc as raw material vide CFE order dt.05.05.2018. Copy enclosed.

2. Now the industry has applied for Consent For Operation (CFO) through single desk policy duly paying CFO fee of Rs 255188/- (online) for 5 years under Orange Haz category on the project cost of Rs 68 Crs.

3. At the time of CFE, the industry has proposed Two production lines ie Plant 1&2 with One Boiler. At present the industry has installed One production line with Boiler of 12 TPH, 4 Silos & 6 no of autoclaves and RO plant. The production capacity will be around 800 Cum mtrs per day instead of CFE consented capacity of 1600 Cum mtrs per day as the unit has constructed only One production line hence the production will be reduced.

4. The industry has provided lined pit for boiler blow down water and utilization for green belt development. Another pit was provided for auto clave condensate water and process water reuse in the process again. The industry has provided RO plant of 15 KLD capacity for the process and boiler makeup water. As the industry has installed RO plant to produce RO permeate of about 290 KLD to utilize for boiler makeup & process and generate about 120 KLD of RO rejects which are proposed to utilize for land applications after neutralization. The representative of the industry informed that the RO rejects will be utilized for green belt development in their own lands and leased lands.

5. The industry was established near to the thermal power plants for procuring of the fly ash from the thermal power plant and utilization in the process as a major raw material. Once the industry commissioned its production operations stack & Ambient and water standards will be monitored.

Issue of CFO & HWA to the industry may be considered to 800 Cum mtrs per Day capacity only duly stipulating necessary conditions as applicable.

28. Regional Officer’s Remarks:

The issue of CFO of the Board for producing 800 Cum/day of AAC bricks with a direction to provide permanent pipeline arrangement to utilize the RO rejects after neutralization for land applications by earmarking the green belt area of both own & leased land.

29. ZO, Remarks:

The matter is placed before the CFO committee for review and to take a decision.