CONSENT ORDER FOR ESTABLISHMENT

Order No.Kr-694/APPCB/ZO-VJA/CFE/ORANGE/2019- Date. 17.09.2019


Ref: 1. Industry's CFE application received at RO, Vijayawada on 22.08.2019 through OCMMS.
2. RO’s inspection report received at ZO, Vijayawada on 05.09.2019.
3. CFE Committee meeting held on 16.09.2019.

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I. In the references 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to produce the following products with installed capacities as mentioned below, with a project cost of Rs. 95.0 Lakhs.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Starting Raw Materials</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Iron scrap &amp; additives</td>
<td>150 Tons/Annum</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the products and By-products</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Iron castings</td>
<td>120 Tons/Annum</td>
</tr>
</tbody>
</table>

II. As per the application, the above activity is to be located at R.S.No:11/1, 11/3, 11/4, 11/7 & 11/8 of Mallavalli (V), Block No:9, Plot No:9/57 of L.P. No:26/2018/VJA, APIIC-Model Industrial Park, Mallavalli (V), Bapulapadu (M), Krishna District in an area of 501.0 Sq. Mts.

III. The above site was inspected by the Assistant Environmental Engineer, A.P.Pollution Control Board, Regional Office, Vijayawada on 24.08.2019 and observed that the site is surrounded by

- **North**: Vacant plot
- **South**: Vacant plot
- **East**: Road
- **West**: Vacant plot

IV. The Board, after careful scrutiny of the application, verification report of Regional Officer, Vijayawada and recommendation by the CFE Committee meeting held on 16.09.2019 at APPCB, Zonal Office, Vijayawada hereby issues **CONSENT FOR ESTABLISHMENT** to your industry Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to carry out the activity mentioned at para (1) only.
V. This Consent order issued is subject to the conditions mentioned in the Annexure.

VI. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

VII. This order is valid for period of 7 years from the date of issue.

Encl: Schedule 'A' & Schedule 'B'

TO
M/s. Volcan Industries,
C/o. Sri Ankam Aneel Kumar,
D.No:2-20, Water Tank road,
Nidamanuru (V),
Vijayawada Rural (M)
Krishna District.

E-mail: dlpatternworks@gmail.com

Copy to the EE, RO, Vijayawada for information and necessary action.
**SCHEDULE – A**

1) Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board once in six months.

2) Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air Pollution Control equipments to record energy consumed.


4) Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power under Sec.27 (2) of Water (Prevention & Control of Pollution) Act, 1974 and under Sec.21 (4) of Air (Prevention & Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alteration as deemed fit and stipulate any additional conditions by the Board.

5) The Consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspection officers of different departments.

6) Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.

7) The Rules and Regulations notified by Ministry of Law and Justice, Government of India, regarding the Public Liability Insurance At, 1991 shall be followed.

8) If the industry is aggrieved by this order made by A.P. Pollution Control Board under Sec. 25 of Water (Prevention & Control of Pollution) Act’ 1974 and Sec. 21 of Air (Prevention & Control of Pollution) Act’ 1981 he may within 30 days from the date on receipt of the order prefer an appeal to concern authority.

**SCHEDULE – B**

**Water:**

1) The source of water is Borewell and the maximum permitted water consumption is as follows:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Purpose</th>
<th>Water Consumption (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Cooling makeup (Cooling water shall be circulated through tank)</td>
<td>1.0</td>
</tr>
<tr>
<td>2.</td>
<td>Domestic</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>2.0</strong></td>
</tr>
</tbody>
</table>

2) The maximum Waste Water Generation (KLD) shall not exceed the following:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Purpose</th>
<th>Wastewater Generation (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Domestic</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>0.5</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Effluent Source</th>
<th>Standards to be complied</th>
<th>Mode of final disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade effluents (Waste water from cooling of moulds)</td>
<td>-----</td>
<td>After treatment in settling tank, the industry shall reuse the treated effluents in the process.</td>
</tr>
<tr>
<td>Domestic effluents</td>
<td>-----</td>
<td>Septic tank followed by soak pit.</td>
</tr>
</tbody>
</table>
3) The Effluent Treatment Plant (ETP) shall be constructed and commissioned along with the commissioning of the activity. All the units of the Effluent Treatment Plant (ETP) shall be made impervious to prevent ground water pollution.

4) The domestic effluent shall be treated to on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by APPCB.

5) 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.

6) The industry shall not discharge any waste water outside the industry premises under any circumstances.

7) The industry shall provide digital flow meters with totaliser facility for measuring the quantity of water consumption at intake points and wastewater generation at discharge points.

**Air:**

8) The industry shall comply with the following for controlling air pollution.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Source</th>
<th>Capacity</th>
<th>Control Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Induction Furnace</td>
<td>300 Kgs/Batch</td>
<td>Fume extraction system followed by wet scrubber as Air Pollution Control Equipment (APCE) so as to meet standard of SPM – 115 mg/Nm³. Stack height – 30 mtrs.</td>
</tr>
</tbody>
</table>

9) The industry shall not exceed the following Ambient Air Quality standards measured outside the factory premises at periphery of industry:

- \( \text{SO}_2 \) – 80 µg/m³, \( \text{NO}_x \) – 80 µg/m³, \( \text{PM}_{2.5} \) – 60 µg/m³, \( \text{PM}_{10} \) – 100 µg/m³,
- Noise levels: Day time (6 AM to 10 PM) - 75 dB(A).
- Night time (10 PM to 6 AM) - 70 dB(A).

10) The Air Pollution control equipment shall be installed along with the commissioning of the activity.

**Solid Waste:**

11) The industry shall comply with the following:
<table>
<thead>
<tr>
<th>S.No</th>
<th>Solid Waste generation</th>
<th>Proposed quantity</th>
<th>Hazardous / as defined under HWM Rules, 2016</th>
<th>Method of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Slag</td>
<td>10 Tonnes / Annum</td>
<td>Non Hazardous</td>
<td>Shall be disposed within the premises for low lying areas filling.</td>
</tr>
<tr>
<td>2</td>
<td>Raisings</td>
<td>20 Tonnes / Annum</td>
<td>Non Hazardous</td>
<td>Shall be reused in the process.</td>
</tr>
</tbody>
</table>

12) The following rules and regulations notified by the MOE&F, GOI shall be implemented.

13) The industry shall not dispose any solid waste outside the factory premises.

**Special Conditions:**

14) The industry shall not cause any air pollution / water pollution / noise pollution / odour nuisance to the surrounding environment.

15) Greenbelt development shall be started along with the construction activity. In case the green belt is not possible in the surroundings compensatory green belt can be developed in 33% of total area.

16) The industry shall not exceed the capacity of the product specified in this Order.

17) The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.

18) The industry shall comply with all the directions issued by the Board from time to time.

19) The industry shall not operate the unit without obtaining CFO Order from the Board.

20) 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.

21) The Order is issued without prejudice to the rights and contentions of this Board in any court of law.

22) The Board reserves its right to modify above conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.

N V Bhaskara Rao
JOINT CHIEF ENVIRONMENTAL ENGINEER