AGENDA ITEM FOR THE CONSENT FOR OPERATION COMMITTEE
MEETING TO BE HELD ON 15.07.2019
AT A.P. POLLUTION CONTROL BOARD, ZONAL OFFICE, KURNOOL.

CFO Agenda
Item No. 2

Dr. A. Venkateshan, 4.900 Ha. Colour Granite mine, Sy.No. 575 (Old 77), Perumallapalli Village, Vedurukuppam Mandal, Chittoor District, Andhra Pradesh

I. Dr. A. Venkateshan, 4.900 Ha. Colour Granite mine, Sy.No. 575 (Old 77), Perumallapalli Village, Vedurukuppam Mandal, Chittoor District, Andhra Pradesh has obtained CFE of the Board vide order dt. 08.05.2018 to carryout mining of Colour granite – 10461 m³/Annum in the mine lease area of 4.90 Ha with a project cost of Rs.35.0 Lakhs Now the mine has applied for CFO of the Board.

II. The details of the mine as reported by the RO, Tirupati through inspection report dated 09.07.2019 are as follows:

1. **Details of the mine**
   - **Applied through**: OCMMS
   - **Date of commissioning**: July, 2019
   - **Date of Receipt of the CFO application at RO**: 27.06.2019
   - **Date of RO Inspection**: 07.07.2019
   - **CFO Validity status**: Obtained CFE and applied for CFO for the first time
   - **Date of Receipt of consent verification report at ZO**: 10.07.2019
   - **Total Project Cost**: Rs.35.00 Lakhs
   - **Category of the industry**: Red - Haz
   - **Fee Details**: The industry has paid Consent fee of Rs.10,000/- through online receipt no.310761530 Dt.27.06.2019 towards CFO fee for both Acts under Red hazardous category for a period of Five years i.e., up to to 31.05.2024.

2. **Details of Raw Materials:**
   - **Sl. No.** | **Raw Materials** |
   - 1 | - |

3. **Details of Products:**
   - **Sl. No.** | **Products / Line of Activity** | **As per CFE Order dt: 08.05.2018** | **Applied (as per the application)** |
   - 1 | Mining of Colour granite (Mine lease area – 4.900 Ha) | 10461 m³/annum | 10461 m³/annum |

4. **Details of Water Consumption:**
   - **Bore wells**
     - **Purpose** | **Quantity as per report** |
     - Dust Suppression | 4.5 KLD |
     - Domestic Purpose | 0.5 KLD |
     - **Total:** | 5.0 KLD |

5. **Waste Water Details:**
   - **Source** | **Quantity as per report** |
   - Domestic | 0.3 KLD |
   - **Total** | 0.3 KLD |

6. **Treatment facilities:**
   - **Source** | **Treatment facility** |
   - Domestic | Septic tank followed by soak pit |

7. **ETP Details & Mode of Disposal**: The industry has provided septic tank followed by soak pit for disposal of domestic effluents.

8. **Details of Air Pollution**
   - **S.No.** | **Source of Pollution** | **Control equipment provided** | **Flow rate in m³/hr.** | **Stack height in Mts - above GL** |
   - 1 | - | - | - | - |

9. **Details of Solid Waste:**
   - **Name of the waste** | **Quantity of waste** | **Disposal Option** |
   - Over burden soil (Top soil & rock waste) | 2,09,222 m³ for 5 Years | The rock waste shall be dumped in dump yard earmarked within the quarry lease area.
10. **Compliance of the industry for Fresh CFO / Schedule – B conditions for CFE order No. CTR- 1332/PCB/ZO-KNL/CFE/2018 Dt.08.05.2018.**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Condition</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The source of water is Borewell and the maximum permitted water consumption shall not exceed the following quantities.</td>
<td>Applied for permitted quantity</td>
</tr>
<tr>
<td></td>
<td>Sl No</td>
<td>Purpose</td>
</tr>
<tr>
<td>1</td>
<td>Dust Suppression</td>
<td>4.5 KLD</td>
</tr>
<tr>
<td>2</td>
<td>Domestic Purpose</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>5.0 KLD</strong></td>
</tr>
<tr>
<td>2</td>
<td>The maximum waste water generation (KLD) shall not exceed the following.</td>
<td>Applied for permitted quantity</td>
</tr>
<tr>
<td></td>
<td>S.No</td>
<td>Wastewater generation</td>
</tr>
<tr>
<td>1</td>
<td>Domestic</td>
<td>0.3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>0.3</strong></td>
</tr>
<tr>
<td>3</td>
<td>The project authority shall carry out semi-mechanized open cast mining only. The blocks shall be separated from mother rock by using compressor, excavator, jack hammer drilling etc., The separated blocks shall be dressed manually. The project authority shall adopt wet drilling method, wire saw cutting method to control dust emissions.</td>
<td>To be complied during operation of the mine</td>
</tr>
<tr>
<td>4</td>
<td>Fugitive dust emissions from all the sources should be controlled regularly. The project authority shall provide water spraying arrangement on haul roads, loading and unloading and at transfer points for dust suppressions.</td>
<td>Project proponent has provided water tanker and spraying water regularly on fugitive dust emission areas to control dust emissions.</td>
</tr>
<tr>
<td>5</td>
<td>The project authority shall implement the following measures to reduce the air pollution during the transportation of the mineral.</td>
<td>Project proponent has started formation work for making approach road to the Mine.</td>
</tr>
<tr>
<td></td>
<td>• Roads shall be graded to mitigate the dust emissions.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Overfilling of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Water shall be sprinkled at regular interval on the main haul road and other service roads to suppress the dust.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>The project authority shall comply with the following for controlling Air Pollution.</td>
<td>The proponent informed that they will installed 1 x 50 KVA DG Set once they start operation of mine.</td>
</tr>
<tr>
<td></td>
<td>SI.No</td>
<td>Details of Stack</td>
</tr>
<tr>
<td>1)</td>
<td>Attached to:</td>
<td>DG Set</td>
</tr>
<tr>
<td>2)</td>
<td>Capacity</td>
<td>50 KVA</td>
</tr>
<tr>
<td>3)</td>
<td>Name of the Fuel:</td>
<td>HSD</td>
</tr>
<tr>
<td>4)</td>
<td>Stack height above ground (m)</td>
<td>5</td>
</tr>
<tr>
<td>5)</td>
<td>Air Pollution Control Equipment:</td>
<td>Acoustic enclosures</td>
</tr>
<tr>
<td>7</td>
<td>The Solid wastes generated shall not exceed the following breakup quantities:</td>
<td>To be complied during operation of the mine</td>
</tr>
<tr>
<td></td>
<td>SI No.</td>
<td>Solid Waste generation</td>
</tr>
<tr>
<td>1</td>
<td>Over burden soil (Top soil &amp; rock waste)</td>
<td>2,09,222 m³ for 5Years</td>
</tr>
<tr>
<td>8</td>
<td>The project authority shall not dump the overburden, top soil etc., generated during the mining operations outside the mine lease area under any circumstances.</td>
<td>To be complied during operation of the mine</td>
</tr>
</tbody>
</table>
The project authority shall provide the following measures to control erosion of dumps:

- Retention/toe walls at the foot of the dumps.
- Stabilization of worked out slopes by planting appropriate shrub/grass species on the slopes.
- Garland drain around the dump for diversion of storm water. The Garland drain shall be routed through siltation pond of adequate size.

The project authority shall develop greenbelt along the boundary of the mine lease area with tall growing trees with native species.

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.

Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water rules, 1976 and Air Rules 1982, to such authority (herein after referred to as the Appellate Authority) constituted under Section 28 of the Water (prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

11. Inspection Officer Remarks:

1. Dr. A. Venkateshan is a 4.900 Ha. Colour Granite mine of located at Sy.No. 575 (Old 77), Perumallapalli Village, Vedurukuppam Mandal, Chittoor District, Andhra Pradesh.
2. The mining unit has obtained Consent for Establishment of the Board vide order dated: 08.05.2018 for mining of Colour granite – 10461 m$^3$/annum in mine lease area – 4.900 Ha.
3. Now, the mining unit has applied for CFO of the Board through APOCMMS on 27.06.2019 and paid CFE fee of Rs.10,000/- through online receipt no. 310761530 Dt.27.06.2019 towards CFO fee for both Acts under Red hazardous category for a period of Five years i.e., up to 31.05.2024.
4. The mine is not in operation at the time of inspection. The representative of the unit informed that the mining Dept. directed them not to start the mining activity until obtaining all the permissions from various statutory departments including from APPCB. And the proponent informed that they will start mining in July, 2019.
5. The industry is adopting semi-mechanized open cast quarry by using jack hammer drilling & wire Saw cutting of the rock.
6. The industry utilizes water for Dust suppression and Domestic Purpose. The industry has provided septic tank followed by soak pit for disposal of domestic effluents.
7. The unit has provided tractor mounted water tanker for water sprinkling in the mine haulage roads to suppress dust emissions.
8. Industry vide Lr. Dt. 08.07.2019 Committed that they will provide retention wall, garland drain, worked out slopes within 3 months after starting of the mine...
9. The industry representative informed that they will develop the green belt in the coming monsoon season.
10. No change in mining technology and scope of working should be made without prior approval from the Board. No further expansion or modification in the mine shall be carried out without prior approval from the Board.
11. The project authority shall develop greenbelt along the boundary of the mine lease area with tall growing trees with native species.
12. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21 (4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions for the purpose of the Act by the Board.
13. Industry representative informed that they will develop greenbelt in the coming monsoon season.
14. In view of the above the application of the industry for CFO of the Board under Air and Water acts may be considered valid up to 31.05.2024.
13. Zonal Office Remarks:

As seen from the RO report, the representative of mine vide Lr.Dt. 08.07.2019 informed that they will provide retention wall, garland drain, worked out slopes within 3 months and will develop the green belt in the coming monsoon season.

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

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