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.19  Sri D.Govindappa, (2.0 Ha for colour granite mine), Sy.No.152 of Rathnagri (V), Rolla (M), Penukonda Division, Ananthapuram District.

I. Sri D.Govindappa, (2.0 Ha for colour granite mine), Sy.No.152 of Rathnagri (V), Rolla (M), Penukonda Division, Ananthapuram District has obtained CFE of the Board vide order dt. 04.07.2018 to carry out mining of Colour Granite – 6,885 m³/annum in the mine lease area of 2.0 Ha. Now the mine has applied for CFO of the Board.

II. The details of the industry as reported by the RO, Anantapur through inspection report dated 05.07.2019 are as follows:

<table>
<thead>
<tr>
<th>Applied through</th>
<th>OCMMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of commissioning</td>
<td>07/2018</td>
</tr>
<tr>
<td>Date of Receipt of the CFO application at RO</td>
<td>25.06.2019</td>
</tr>
<tr>
<td>Date of Receipt of the additional information at RO</td>
<td>Submission of additional information on 15.06.2019</td>
</tr>
<tr>
<td>Date of RO Inspection</td>
<td>28.06.2019</td>
</tr>
<tr>
<td>Date of Receipt of consent verification report at ZO</td>
<td>08.07.2019</td>
</tr>
<tr>
<td>Consent status</td>
<td>Applied afresh for CFO of the Board</td>
</tr>
<tr>
<td>Total Project Cost</td>
<td>Rs.40.0 Lakhs</td>
</tr>
<tr>
<td>Category of the industry</td>
<td>Red Haz</td>
</tr>
<tr>
<td>Fee Details</td>
<td>The industry has paid CFO fees of Rs.10,000/- (vide receipt No. 939368657, dated 25.06.2019) for both acts under Red Haz. Category for a period of Five year i.e., from 08/2018 to 07/2023.</td>
</tr>
</tbody>
</table>

1. Details of Raw Materials:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Raw Materials</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Details of Products:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Products/Line of Activity</th>
<th>As per CFE Order dt: 04.07.2018</th>
<th>Applied (as per the application)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mining of Colour Granite (Mine lease area of 2.0 Ha)</td>
<td>6,885 m³/annum</td>
<td>6,885 m³/annum</td>
</tr>
</tbody>
</table>

3. Details of Water Consumption: Bore-well

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust suppression</td>
<td>2.00</td>
</tr>
<tr>
<td>Development of Green Belt</td>
<td>1.46</td>
</tr>
<tr>
<td>Domestic</td>
<td>1.00</td>
</tr>
<tr>
<td>Total</td>
<td>4.46</td>
</tr>
</tbody>
</table>

4. Waste Water Details:

<table>
<thead>
<tr>
<th>Source</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>1.0</td>
</tr>
<tr>
<td>Total</td>
<td>1.0</td>
</tr>
</tbody>
</table>

5. Out let as per the consent order dt: 04.07.2018

<table>
<thead>
<tr>
<th>Outlet Description</th>
<th>Max Daily Discharge</th>
<th>Point of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Effluents</td>
<td>1.0 KLD</td>
<td>Septic tank followed by soak pit</td>
</tr>
</tbody>
</table>

6. ETP Details & Mode of Disposal: The industry has not provided septic tank followed by soak pit for disposal of domestic effluents.

7. The sources of air pollution and control equipment: Nil

8. Emissions from chimneys as per CFE order dt: 04.07.2018:

<table>
<thead>
<tr>
<th>Chimney No.</th>
<th>Description of Chimney</th>
<th>Limiting Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

9. Solid Waste details:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Solid waste</th>
<th>Quantity (Kg/day)</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Overburden (Rock Waste)</td>
<td>1,00,001 m³ for the first five years</td>
<td>The Rock waste is being dumped in dump yard towards Eastern side of the quarry lease area.</td>
</tr>
</tbody>
</table>
10. Compliance of the industry for Fresh CFO / Schedule – B conditions for renewal CFE Order dt: 04.07.2018

<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 Bore well and the maximum permitted water consumption shall not exceed the following quantities.</td>
<td>The unit utilizes water for wire saw cutting, water sprinkling for Dust suppression on the haulage roads, gardening and domestic purposes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Purpose</th>
<th>Quantity (In KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dust suppression</td>
<td>2.0 KLD</td>
</tr>
<tr>
<td>2.</td>
<td>Development of Green Belt</td>
<td>1.460 KLD</td>
</tr>
<tr>
<td>3.</td>
<td>Domestic Purpose</td>
<td>1.0 KLD</td>
</tr>
<tr>
<td></td>
<td>Total *(fresh + recycled)</td>
<td>4.640 KLD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Wastewater generation</th>
<th>Total (KLD)</th>
<th>Mode of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Domestic</td>
<td>1.0</td>
<td>Septic tank followed by soak pit</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

2. The maximum waste water generation (KLD) Shall not exceed the following

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Purpose</th>
<th>Quantity (KLD)</th>
<th>Mode of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Domestic</td>
<td>1.0</td>
<td>Septic tank followed by soak pit</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

3. 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.

4. 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.

5. The project authority shall implement the following measures to reduce the air pollution during the transportation of the mineral:
   - Roads shall be graded to mitigate the dust emissions.
   - Overfilling of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin.
   - Water shall be sprinkled at regular interval on the main haul road and other service roads to suppress the dust.

6. The Solid wastes generated shall not exceed the following breakup quantities:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Solid Waste generation</th>
<th>Quantity</th>
<th>Method of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Over burden (Rock waste)</td>
<td>1,00,001 m³ for the 1st five years</td>
<td>The Rock waste shall be dumped in Eastern side within the mine lease area.</td>
</tr>
</tbody>
</table>

7. The project authority shall not dump the overburden, top soil etc., generated during the mining operations outside the quarry lease area under any circumstances.

8. The project authority shall adopt and maintain 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.

9. 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.

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

11. 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.

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. 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’s remarks:**

   a. 2.0 Ha for colour granite mining of Sri D.Govindappa is located at Sy.No.152 of Rathnagri (V), Rolla (M), Penukonda Division, Ananthapuram District and is engaged in mining of Colour granite.

   b. The industry was issued with Consent for Establishment of the Board vide order dated 04.07.2018 for mining of Colour granite - 6,885 m$^3$/annum (Mine lease area of – 2.0 Ha) at Sy.No.152 of Rathnagri (V), Rolla (M), Penukonda Division, Ananthapuram District. At present, the industry has applied for Consent for Operation of the Board for the capacity permitted by the Board vide CFE order dt.04.07.2018.

   c. The industry utilizes water for sprinkling water for wire saw cutting & wet drilling, for sprinkling water on the haulage roads for dust suppression, green belt and domestic purposes. The industry has not provided septic tank followed by soak pit for disposal of domestic effluents.

   d. The industry generates solid waste i.e., the Rock waste of about 1,00,001 m$^3$ for the first five years of the mining period and the Rock Waste is being dumped in the dump yard towards Eastern side within the mine lease area.

   e. The unit has not constructed retaining wall around the Granite waste dump and also not provided garland drain and siltation pond for the dump. The unit vide undertaking dt: 04.07.2019 has informed that, they will construct the retention wall for the dump, garland drain and siltation pond for the dump yard and also will construct septic tank followed by soak pit for disposal of domestic effluents within 30 days. A copy of the under taking is enclosed.
f. The industry has deployed tractor mounted water tanker for water sprinkling in the mine haulage roads to suppress dust emissions. The unit has not developed any greenbelt along the boundary in the mine lease area and the unit representative has informed that they will develop the greenbelt in the coming monsoon season.

12. **Regional Office Remarks:**
   In view of the above, the application of the industry for CFO of the Board under Air and Water acts may be examined and suitable decision may be taken.

13. **Zonal Office Remarks:**
   RO reported that,
   - The unit has not constructed retaining wall, garland drain, siltation pond for the mineral waste dump & has not provided septic tank followed by soak pit for disposal of domestic effluents and not developed greenbelt along the boundary of the mine lease area.
   - The project authority has submitted an undertaking dt: 15.06.2019 stating that they will construct the retention wall for the dump, garland drain, siltation pond, septic tank and will develop greenbelt within 30 days.

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

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