AGENDA ITEM FOR THE CONSENT FOR OPERATION COMMITTEE
MEETING TO BE HELD ON 16.09.2019
AT A.P. POLLUTION CONTROL BOARD, ZONAL OFFICE, KURNOOL.

CFO Agenda
Item No. 3

I. Sri. K.P.Rakhi, (1.0 Ha Black Granite mine), Sy.No. 468, Gorivimakulapalli (V), Ramakuppam (M), Chittoor District, Andhra Pradesh. has obtained CFE of the Board vide order dt. 19.08.2019 to carryout mining of Black granite – 375 m³/annum in the mine lease area of 1.0 Ha. 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 07.09.2019 are as follows:

1. Applied through: OCMMS
   Date of commissioning: October, 2019
   Date of Receipt of the CFO application at RO: 28.08.2019
   Date of RO Inspection: 30.08.2019
   CFO Validity status: Obtained CFE and applied for CFO for the first time
   Date of Receipt of consent verification report at ZO: 09.2019
   Total Project Cost: Rs.55.00 Lakhs - As per application
   Category of the industry: Red - Haz
   Fee Details: The industry has paid Consent fee of Rs.13,750/- through online receipt no.547771830 Dt.28.08.2019 towards CFO fee for both Acts under Red hazardous category for a period of Five years i.e., up to 31.07.2024.

2. Details of Raw Materials:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Raw Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mining of Black granite - In an area of 1.0 Ha</td>
</tr>
</tbody>
</table>

3. Details of Products:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Products / Line of Activity</th>
<th>As per CFE Order dt: 19.08.2019</th>
<th>Applied (as per the application)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mining of Black granite (Mine lease area – 1.0 Ha)</td>
<td>375 m³/annum</td>
<td>375 m³/annum</td>
</tr>
</tbody>
</table>

4. Details of Water Consumption: Bore wells

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Quantity as per report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust suppression</td>
<td>5.0 KLD</td>
</tr>
<tr>
<td>Development of Green Belt</td>
<td>1.0 KLD</td>
</tr>
<tr>
<td>Domestic purpose</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td>Total</td>
<td>6.5 KLD</td>
</tr>
</tbody>
</table>

5. Waste Water Details:

<table>
<thead>
<tr>
<th>Source</th>
<th>Quantity as per report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>0.2 KLD</td>
</tr>
<tr>
<td>Total</td>
<td>0.2 KLD</td>
</tr>
</tbody>
</table>

6. Treatment facilities:

<table>
<thead>
<tr>
<th>Source</th>
<th>Treatment facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Septic tank followed by soak pit</td>
</tr>
</tbody>
</table>

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: Nil

9. Details of Solid Waste:

<table>
<thead>
<tr>
<th>Name of the waste</th>
<th>Quantity of waste</th>
<th>Disposal Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over burden soil (Top soil &amp; rock waste)</td>
<td>16,785 m³/5 year</td>
<td>Shall be dumped in the Zone separately reserved for dumping along South part of the quarry lease area.</td>
</tr>
</tbody>
</table>
10. Compliance of the industry for Fresh CFO / Schedule – B conditions for renewal CFE order No. CTR- 1552/PCB/ZO-KNL/CFE/2019, Dt: 19.08.2019

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Condition</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The project authority shall provide GI sheets of 20 ft height along the boundary towards the nearest human habitation i.e, Gorivimakulapalli (V) which is at a distance of 0.38 Kms to control dust emissions.</td>
<td>Not provided</td>
</tr>
<tr>
<td>2</td>
<td>Water: 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>SI No</td>
<td>Purpose</td>
</tr>
<tr>
<td>1</td>
<td>Dust suppression</td>
<td>5.0 KLD</td>
</tr>
<tr>
<td>2</td>
<td>Development of Green Belt</td>
<td>1.0 KLD</td>
</tr>
<tr>
<td>3</td>
<td>Domestic purpose</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>6.5 KLD</td>
</tr>
<tr>
<td>3</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>0.5</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Air:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Condition</th>
<th>To be complied during operation of the mine</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>The project authority shall carry out semi-mechanized open cast mining only.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>The project authority shall adopt wet drilling method to control dust emissions.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>There shall not be any blasting in the mining operations as there is a village nearer to the mine lease area.</td>
<td></td>
</tr>
<tr>
<td>7</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></td>
</tr>
</tbody>
</table>
| 8      | 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. | |
| 9      | Solid waste: The Solid wastes generated shall not exceed the following breakup quantities: | |
|        | SI No | Solid Waste generation | Quantity | Method of Disposal |
| 1      | Over burden soil (Top soil & rock waste) | 16,785 m³/5 years | Shall be dumped in the Zone separately reserved for dumping along South part of the quarry lease area. |
| 10     | The project authority shall not dump the overburden, top soil etc., generated during the mining operations outside the mine lease area under any circumstances. | |
| 11     | 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. | |
| 12     | Wherever top soil exists during mining operation shall be removed and sacked separately so as to utilize for restoration or rehabilitation of the land. | |

Industry vide Lr.Dt.30.08.2019  
Committed that they will provide Retention wall, Garland drain & siltation ponds within 3 months after starting of the mine.
Other conditions:

13. 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. Directed to comply.

14. The project authority shall develop greenbelt along the boundary of the mine lease area with tall growing trees with native species. Industry representative informed that they will develop greenbelt in the coming monsoon season.

15. 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.

16. 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.

17. 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:
   a. 1.0 Ha Black Granite mine of Sri. K.P.Rakhi, Sy.No. 468, Gorivimakalapalli (V), Ramakuppam (M), Chittoor District, Andhra Pradesh is a Black Granite Mine in an area of 1.0 Ha.
   b. The mining unit has obtained Consent for Establishment of the Board vide order dated: 19.08.2019 for mining of Black Granite– 375 m³/annum in mine lease area – 1.0 Ha.
   c. Now, the mining unit has applied for CFO of the Board through APOCMMS on 28.08.2019 and paid Consent fee of Rs.13,750/- through online receipt no.547771830 Dt.28.08.2019 towards CFO fee for both Acts under Red hazardous category for a period of Five years i.e., up to 31.07.2024.
   d. 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 October, 2019.
   e. The industry is adopting semi-mechanized open cast quarry by using jack hammer drilling & wire Saw cutting of the rock.
   f. The industry utilizes water for Water sprinkling on mine haulage roads, wet drilling, Domestic Purpose and Development of Green belt purposes. The industry has provided septic tank followed by soak pit for disposal of domestic effluents.
   g. The unit has provided tractor mounted water tanker for water sprinkling in the mine haulage roads to suppress dust emissions.
   h. Industry vide Lr.Dt.30.08.2019 Committed that they will provide Retention wall, garland drain & siltation ponds within 3 months after starting of the mine.
   i. The industry representative informed that they will develop the green belt in the coming monsoon season.

12. RO Remarks:
   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 31.07.2024.

13. Zonal Office Remarks:
   As seen from the RO report, the representative of mine vide Lr.Dt. 30.08.2019 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.