AGENDA ITEM FOR THE CONSENT FOR ESTABLISHMENT COMMITTEE
MEETING TO BE HELD ON 17.08.2019 AT A.P. POLLUTION CONTROL
BOARD, ZONAL OFFICE, KURNOOL.

CFE AGENDA ITEM No. 11

Sri. P. Somasekhar, (3.64 Ha Colour Granite mine), Sy.No. 1312/1P, Thenepalli (V), Puthalapattu (M), Chittoor District, Andhra Pradesh.

I. Sri. P. Somasekhar, (3.64 Ha Colour Granite mine), Sy.No. 1312/1P, Thenepalli (V), Puthalapattu (M), Chittoor District, Andhra Pradesh. has applied for CFE of the Board to carry out Mining of Colour Granite - 17,997 m3 / annum in 3.64 Ha.

II. The EE, RO, Tirupati vide lr.dt.09.08.2019 submitted the CFE verification report. The details of the proposal as per the report are given below:

<table>
<thead>
<tr>
<th>EC status</th>
<th>SEIAA/AP/CTR/MIN/04/2019/930, Dt.29.06.2019</th>
</tr>
</thead>
</table>

1. Applied through
OCMMS

2. Line of activity
Mining of Color granite

3. Project cost
Rs. 40.0 Lakhs

4. Date of receipt of application
07.08.2019

5. Date of inspection
08.08.2019

6. Date of receipt of application at ZO
13.08.2019

7. CFE fee
Amount: Rs.4,000/- APOCMMS Receipt No: 607379369, Date : 07.08.2019.

8. Area details:
   - Total area of the land: 3.64 Ha
   - Built up area: ---
   - Greenery: ---
   - Nearest Human habitation: The nearest habitation is Lakshmipuram (V) is existing at a distance of about 0.9 km.
   - Nearby water body: No water body exists within 500 mtr radius
   - Nearest Road: ---

9. Surroundings
   - North: Rocky lands
   - South: Rocky lands
   - East: Rocky lands
   - West: Rocky lands

10. Raw Material
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11. Products:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Products</th>
<th>Proposed capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mining of Colour Granite (Mine Lease Area – 3.64 Ha)</td>
<td>17,997 m3 / annum</td>
</tr>
</tbody>
</table>

12. Process Description:
EMP is enclosed.

13. Source of Water:
    - Borewell

14. Water Consumption:

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust suppression</td>
<td>2.5 KLD</td>
</tr>
<tr>
<td>Development of greenbelt</td>
<td>1.5 KLD</td>
</tr>
<tr>
<td>Processing</td>
<td>2.0 KLD</td>
</tr>
<tr>
<td>Domestic Purpose</td>
<td>2.0 KLD</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>8.0 KLD</strong></td>
</tr>
</tbody>
</table>

15. Waste water generation:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Source</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Domestic</td>
<td></td>
<td>1.5 KLD</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>1.5 KLD</strong></td>
</tr>
</tbody>
</table>

16. Treatment & disposal of ETP:

<table>
<thead>
<tr>
<th>Source of Effluent</th>
<th>Treatment proposed</th>
<th>Mode of final disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>---</td>
<td>Septic tank followed by soak pit</td>
</tr>
</tbody>
</table>

17. Air Emissions: Nil

18. Details of Fugitive Emissions: Dust emissions during drilling, wire saw cutting, excavation & transportation.

Mitigation measures: The unit has proposed to implement the following measures to control the dust emissions during the mining activity.

a) Covering the drill rods by gunny cloth and dust extractors will be deployed.

b) Tractor mounted tanker will be deployed for suppression of dust on the haulage roads.
c) Workers will be suitable head gear and noise reducing protective gear like cotton mufflers etc., to protect them against noise generated by compressors, drilling machinery.
d) Machinery will be maintained properly for minimizing the noise.
e) Optima Wire Saw Cutting (using water reduces dust)
f) Use of sharp drill bits for drilling holes.
g) Regular grading of haul roads and service roads to clear accumulation of loose material.

19. Solid / Hazardous waste generation:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Type of waste</th>
<th>Quantity</th>
<th>Mode of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Waste</td>
<td>1,88,071 m³ for 5Years</td>
<td>The generated waste will be dumped on the northern side of the mine lease area as earmarked in the Mining Plan.</td>
</tr>
</tbody>
</table>

20. Compliance with regard to EIA notification: The unit has obtained Environmental Clearance from SEIAA, vide Order dated: 29.06.2019 for mining of Colour granite up to 17,997 m³/annum over an extent of 3.64 Ha.

21. Inspecting Officers remarks:
   a. Sri. P. Somasekhar has proposed to carryout Mining of Colour Granite at Sy.No. 1312/1P, Thenepalli (V), Puthalapattu (M), Chittoor District, Andhra Pradesh over an extent of 3.64 Ha and has applied for Consent for Establishment of the Board for mining of Colour Granite – 17,997 m³/annum in 3.64 Ha.
   b. The unit has obtained Environmental Clearance from SEIAA vide Order dated: 29.06.2019 for mining of Colour granite up to 17,997 m³/annum over an extent of 3.64 Ha. Vide reference 1st cited above.
   c. The proposed method of mining will be by semi-mechanized open cast working of quarrying by using Jack Hammer, drilling & cutting by wire saw.
   d. Water will be required for dust suppression within quarry lease area and along approach road, greenbelt development and for domestic purpose, and the mining activity requires 8.0 KLD, which will be met from bore-well. The industry generates domestic waste water of 1.5 KLD and is proposed to be disposed into septic tank followed by soak pit.
   e. Rock mass waste of 1,88,071 m³ for 5 Years is expected to be generated. As per the Mining plan, the generated waste will be dumped on the northern side of the mine lease area as earmarked in the Mining Plan..
   f. The industry proposed to construct garland drains, retaining wall and siltation pond for the working pit to arrest the flow of silt and sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development etc.,
   g. The major sources of air pollution are dust emissions during drilling, wire saw cutting, excavation & transportation. The details of pollution control measures proposed by the industry are reported above at Sl.No.13 (iii).

22. Recommendations of the Regional Officer:
   The issue of CFE to the mining activity may be considered stipulating suitable conditions.

23. ZO's Remarks:
   The attached inspection report forwarded by the EE, RO, Tirupati may be reviewed.
   The issue is placed before the CFE Committee for review and recommendations.