AGENDA ITEM FOR THE CONSENT FOR ESTABLISHMENT COMMITTEE
MEETING TO BE HELD ON 27.09.2019
AT A.P. POLLUTION CONTROL BOARD, ZONAL OFFICE, KURNOOL.

CFE AGENDA ITEM No. 10
Ms. Sri Shirdi Minerals, Sy.No. 1346, Balapuramu (V), Puttur (M), Anantapur District

I. M/s. Sri Shirdi Minerals, Sy.No. 1346, Balapuramu (V), Puttur (M), Anantapur District has applied for CFE of the Board to carry out Mining of Ochre of 26,946 m³/annum in 4.8 Ha.

II. The EE, RO, Kurnool vide lr.dt.23.09.2019 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>SEIAAP/AP/ANT/MIN/04/2019-948 dated 06.08.2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line of activity</td>
<td>Mining of Ochre</td>
</tr>
<tr>
<td>Project cost</td>
<td>Rs. 35.0 Lakhs</td>
</tr>
<tr>
<td>Date of receipt of application</td>
<td>27.08.2019</td>
</tr>
<tr>
<td>Date of inspection</td>
<td>20.09.2019</td>
</tr>
<tr>
<td>Date of receipt of application at ZO</td>
<td>24.09.2019</td>
</tr>
<tr>
<td>CFE fee</td>
<td>The Industry has paid CFE Fees of Rs. 4,000/- for both acts under Red- Hazardous Category vide Receipt. No. 955070209, dated. 27.08.2019.</td>
</tr>
</tbody>
</table>

8 Area details:

- Total area of the land: 4.8 Ha
- Built up area: ---
- Greenery: The unit has proposed to develop greenbelt all along the boundary of the mine lease area and growing vegetation on the slopes of the dumps.
- Nearest Human habitation: The nearest habitation from the mine lease area is Balapuram (V) and is at a distance of about 1.00 Kms in South direction from the mine lease area.
- Nearby water body: Putluru Cheruvu is at distance of about 1.59 Kms from the mine lease area in North – East direction.
- Nearest Road: Tadipatri to Bukkapuram Road is about 500 mtr in North-Western direction.

9 Surroundings:

- North: Yellow walker Land
- South: Yellow walker Land
- East: Yellow walker Land
- West: Yellow walker Land

10 Raw Material:

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 Ochre</td>
<td>26,946 m³/annum</td>
</tr>
</tbody>
</table>

12. Process Description: Open cast method other than fully mechanized/Semi mechanized- The removal of weathered and under sized boulders will be cleared in mine lease area for the next five years by using excavator. After removal of top weathered material of one meter Ocher can explore with escalator loaded to dumpers directly without drilling and blasting. The Large boulders will be splintered into 40 mm size boulders Transported.

13. Source of Water: Borewell

14. Water Consumption:

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust Suppression</td>
<td>1.0 KLD</td>
</tr>
<tr>
<td>Development of Green Belt</td>
<td>1.0 KLD</td>
</tr>
<tr>
<td>Process</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td>Domestic</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td>Total *(fresh + recycled)</td>
<td>3.0 KLD</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)</td>
<td>Domestic</td>
<td>0.5 KLD</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>0.5 KLD</td>
</tr>
</tbody>
</table>

16. Treatment & disposal of ETP:

- Source of Effluent: Treatment proposed: Mode of final disposal
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>Mineral waste</td>
<td>14,535 Tons during the First Five years period.</td>
<td>This will be utilized for the formation of internal roads and balance utilized to form a barrier all along the 7.5m buffer zone of the QL area to a height of 2.0m.</td>
</tr>
</tbody>
</table>

18. Air Emissions:

Details of Fugitive Emissions:

Mitigation measures:

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

a) Water spraying arrangement on haul roads, loading & unloading and at transfer points shall be provided and properly maintained.

b) Roads shall be graded to mitigate the dust emission.

c) Proper and regular maintenance of vehicles and other equipment.

d) The workers employed shall be provided with protection equipment and earmuffs etc.

Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.

20. Inspecting Officers remarks:

1. M/s. Sri Shirdi Minerals has proposed to carry out Mining of Ochre at Sy.No. 1346, Balapuramu (V), Putlur (M), Anantapur District, over an extent of 4.8 Ha and has applied for Consent for Establishment of the Board for mining of Ochre – 26,946 m³/annum in 4.8 Ha.

2. The unit has obtained Environmental Clearance from SEIAAP, Anantapuram, Andhra Pradesh vide Order dated: 06.08.2019 for mining of Ochre – 26,946 m³/annum in 4.8 Ha. At present, the unit has applied for the Consent for Establishment of the Board for mining of Ochre 26,946 m³/annum in an area of 4.8 Ha.

3. The Director of Mines & Geology, Govt. of Andhra Pradesh vide Notice dated: 26.10.2018 has informed that it is decided in principle to grant a quarry lease for Ochre over an extent of 4.8 Ha in at Sy.No. 1346, Balapuramu (V), Putlur (M), Anantapur District in favour of Sri.P.Brahmananda Reddy for a period of 20 years subject to submission of mining plan within the six months time along with Consent for Establishment form APPCB and Environmental Clearance from Ministry of Environment & Forest as per Environment impact Assessment Notification through S.O. 1533 dt. 14.09.2006.

4. Open cast method other than fully mechanized/Semi mechanized- The removal of weathered and under sized boulders will be cleared in mine lease area for the next five years by using excavator. After removal of top weathered material of one meter Ocher can explore with escalator loaded to dumpers directly without drilling and blasting. The Large boulders will be splintered into 40 mm size boulders Transported.

5. During the inspection, it was observed that the unit has not started any mining activity and the unit representative has informed that, they will commence the mining operations only after obtaining CFE/CFO from the Board.

6. Water will be required for wet drilling operation, dust suppression within quarry lease area and along approach road, greenbelt development and for domestic purpose, and the mining activity requires 3.0 KLD, which will be met from Water will be sourced from local villages. The industry generates domestic waste water of 3.0 KLD and is proposed to be disposed into septic tank followed by soak pit.

7. The major sources of air pollution are dust emissions during drilling, blasting, excavation & transportation. The details of pollution control measures proposed by the industry are reported above at Sl.No.13 (iii).

8. The industry proposed to construct garland drains 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.

9. There is no top soil or overburden generation as the mineral is exposed to the surface. The total mineral waste generated will be of 14,535 Tons during the First five years period of

10. The general direction of ground water flow is towards South – East. The areas of Balapuramu from a part of Godavari river basin. The height of water table ranges from 65-90m below BGL.
11. This mineral waste can be used as raw material in paints & chemicals industries. So this mineral can be supplied to local units and it also export to other states of telengana, Tamilnadu and Kanataka.

12. Rainfall over the mine lease applied area affected different by waste dumps, mine pits roads etc. The rain cuts the dumps to small rallies and there by a lot of runoff is generated will accumulate in the pits. The following measure proposed to arrest surface run:
   a. Garland drains around the pit
   b. Retention wall around the pit
   c. Check dam construction against drainage channels to arrest slit.
   d. Growing vegetation on the slopes of the dumps.

21. Recommendations of the Regional Officer:
   In view of the above, the application of the industry for the Consent for Establishment of the Board may be examined.

22. ZO’s Remarks:
   - The RO, Anantapur has received the CFE application on 27.08.2019. The RO has forwarded the verification report on 24.09.2019
   - The time allotted (SLA) expires by 27.09.2019. Hence, the CFE was issued to the industry on 26.09.2019.

The issue is placed before the CFE Committee for ratification.