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

CFE AGENDA ITEM No. 2

M/s. Win Granites, 1.834 Ha Colour Granite Mine, Sy.No. 981/1 (Old Sy.No.05), Gollapalli (V), B.Kothakota (M), Chittoor District, Andhra Pradesh

I. M/s. Win Granites, 1.834 Ha Colour Granite Mine, Sy.No. 981/1 (Old Sy.No.05), Gollapalli (V), B.Kothakota (M), Chittoor District, Andhra Pradesh has applied for CFE of the Board to carry out mining of Color granite – 5,501 m³/Annum in 1.834 Ha.

II. The EE, RO, Tirupati vide lr.dt.09.07.2019 submitted the CFE verification report. The details of the proposal as per the report are given below:

EC status: SEIAA/AP/CTR/MIN/02/2019/829, Dt: 03.05.2019.

1. Applied through: OCMMS
2. Line of activity: Mining of Colour granite
3. Project cost: Rs. 80.0 Lakhs
4. Date of receipt of application: 26.06.2019
5. Date of inspection: 05.07.2019
6. Date of receipt of application at ZO: 10.07.2019
7. CFE fee: Amount: Rs.8,000/- APOCMMS Receipt No: 21060921, Date: 26.06.2019
8. Area details:
   - Total area of the land: 1.834 Ha
   - Nearest Human habitation: The nearest habitation viz., Kottapalle (V) is exists at a distance of about 300 mtr.
   - 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: Agricultural lands
10. Raw Material: ---
11. Products:
   - Sl. No. | Name of the Products | Proposed capacity
   - 1 | Mining of Color granite (Mine lease area – 1.834 Ha) | 5,501 m³/Annum
12. Process Description: EMP is enclosed.
13. Source of Water: Borewell
14. Water Consumption:
   - Purpose | Quantity in KLD
   - Dust Suppression | 1.6 KLD
   - Development of Green belt | 0.8 KLD
   - Domestic purpose | 1.9 KLD
   - Other purpose | 0.2 KLD
   - Total | 4.5 KLD
15. Waste water generation:
   - S.No. | Source | Quantity in KLD
   - a) Domestic | 1.5 KLD
   - Total | 1.5 KLD
16. Treatment & disposal of ETP:
   - Source of Effluent | Treatment proposed | Mode of final disposal
   - Domestic | --- | Septic tank followed by soak pit
17. Air Emissions:
   - Sl.No. | Details of Stack | Stack 1
   - a) Attached to: | DG Set
   - b) Capacity | 82.5 KVA
   - c) Name of the Fuel: | HSD
   - d) Stack height above ground (m): | 4 m
   - e) Air Pollution Control Equipment: | Acoustics enclosure
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>154913 m³/5 years period</td>
<td>Shall be dumped in the dump yard earmarked in the mining plan in the North west side of the quarry lease area to a height of 15 mtrs in an area of about 2284 Sq.mtr</td>
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</tbody>
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20. Inspecting Officers remarks:

1. M/s. Win Granites has proposed to carryout Mining of Colour Granite Mine at Sy.No. 981/1 (Old Sy.No.05), Gollapalli (V), B.Kothakota (M), Chittoor District, Andhra Pradesh over an extent of 1.834 Ha and has applied for Consent for Establishment of the Board for mining of Colour Granite – 5,501 m³/Annum in 1.834 Ha.
2. The unit has obtained Environmental Clearance from SEIAA, Andhra Pradesh vide Order dated: 03.05.2019 for mining of colour granite upto 5,501 m³/Annum over an extent of 1.834 Ha. Vide reference 1st cited above.
3. 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.
4. The proposed method of mining will be by semi-mechanized open cast working of quarrying by using Jack Hammer, drilling & cutting by wire saw.
5. Water will be required for dust suppression within quarry lease area and along approach road, greenbelt development, for domestic and other purpose. The mining activity requires 4.5 KLD, which will be met from ground water. The industry generates domestic waste water of 1.5 KLD and is proposed to be disposed into septic tank followed by soak pit
6. Overburden top soil of 154913 m³/ 5 years period is expected to be generated. As per the Mining plan the waste generated during mining is proposed to be dumped in the dump yard earmarked in the mining plan in the North west side of the quarry lease area to a height of 15 mtrs in an area of about 2284 Sq.mtr.
7. 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.,
8. 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.18

21. Recommendations of the Regional Officer:

The issue of CFE to the mining activity may be considered stipulating suitable conditions.

22. 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.