AGENDA ITEM FOR THE CONSENT FOR ESTABLISHMENT COMMITTEE 
MEETING TO BE HELD ON 04.09.2019 
AT A.P. POLLUTION CONTROL BOARD, ZONAL OFFICE, KURNOOL.

CFE AGENDA ITEM No. 1

Kristipadu Dolomite & Steatite Mine 2.428 Ha., at 
Sy.No.162-B2, 163-A1 & 165-2, 
Kristapadu (V), Peddavaduguru (M), 
Anantapuram District.

I. Kristipadu Dolomite & Steatite Mine 2.428 Ha., at 
Sy.No.162-B2, 163-A1 & 165-2, 
Kristapadu (V), Peddavaduguru (M), Anantapuram District has applied for CFE of the 
Board to Mining of Dolomite - 92561TPA , High Grade Steatite - 2250 TPA Low Grade 
Steatite - 9000 TPA in an area of 2.428 Ha

II. The EE, RO, Anantapuram vide lr.dt.20.08.2019 submitted the CFE verification report. 
The details of the proposal as per the above report are given below:

1. EC status : SEIAA/AP/ANT/MIN/07/2018/651 - 207 
dated.03.05.2019.

2. Applied through : OCMMS

3. Line of activity : Mining of Dolomite & Steatite

4. Project cost : Rs. 30 Lakhs

5. Date of Receipt of the CFE 
application at RO : 26.07.2019

6. Date of RO inspection : 08.08.2019

7. Date of receipt of additional information : 16.08.2019

8. Date of receipt of application 
at ZO : .08.2019

9. Fee Details : The industry has paid CFE fee of Rs.4000/- (vide 
under Red-Hazardous category

10. Surroundings & Road Details :

East : Barren lands
West : Dry agricultural lands
North : Hillock
South : Barren lands followed by hillock 
Gooty – Tadipatri state Highway is at a distance of about 600 mts in Northern direction.

11. Products :

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the products and By-products</th>
<th>Capacity Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mining of Dolomite</td>
<td>92561TPA</td>
</tr>
<tr>
<td>2</td>
<td>High Grade Steatite</td>
<td>2250 TPA</td>
</tr>
<tr>
<td>3</td>
<td>Low Grade Steatite (in mine lease area of 2.428 Ha)</td>
<td>9000 TPA</td>
</tr>
</tbody>
</table>

12. Process Description :
The method of mining is proposed for other than fully mechanized open cast method. A 
bench height of 3m is proposed. Drilling & blasting will be required for the Dolomite & 
Steatite. The Dolomite, Steatite and waste are removed by hydraulic shovel/wheel loaders 
and loaded into tippers and total ROM is transported to plant. The detailed mining method 
is enclosed with application.

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 Green Belt</td>
<td>2.0 KLD</td>
</tr>
</tbody>
</table>
Domestic purpose | 1.5 KLD
---|---
Total | 6.0 KLD

15. Waste water generation

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Source</th>
<th>Quantity</th>
</tr>
</thead>
</table>
a) Domestic | 1.5 KLD |
Total | 1.5 KLD |

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>
</table>
Domestic | --- | Septic tank followed by soak pit |

The industry proposes to construct garland drains and siltation pond for the working pit to arrest the flow of slit and sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development etc.

17. Solid / Hazardous waste generation:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Type of waste</th>
<th>Quantity (Kg/day)</th>
<th>Mode of Disposal</th>
</tr>
</thead>
</table>
1 | Intercalated waste in Dolomite | 18694 Tons for the first 5 years period. | The waste is proposed to be dumped in dump yard towards north side of the mine lease area. |

18. Air Emissions:

The sources of air pollution arising from the mining operations are dust emissions during drilling, blasting, transportation of ore and also from the mineral waste dumps.

Mitigation Measures:
The unit has proposed for implementation of the following measures to control the dust emissions during the mining activity:

a) Water spraying arrangements such as special fabrication tankers mounted on tipper are deployed at mine site to control the fugitive dust generation from the haulage roads.

b) Regular grading of haul roads and service roads to clear accumulation of loose material.

c) Excavation operations area suspended during periods of very strong winds.

d) Avoiding over filling of tippers and consequent spillage on the roads.

e) Massive afforestation for control of dust.

f) Spraying of water on sub grade stacks etc.,

g) Providing dust masks for the workers based on the work area.

h) Providing hearing protection devices to the drill machine operators and dumper drivers.

i) Development of greenbelt in the periphery of the mine and also all along the haul roads.

20. Inspecting Officers remarks:

1) 2.428 Ha., Kristipadu Dolomite & Steatite Mine of Sri. Velure Adinarasimhulu Sy.No.162-B2, 163-A1 & 165-2, Kristapadu (V), Peddavaduguru (M), Anantapuram District and is engaged in Mining of Dolomite and Steatite. The unit has applied for Consent for Establishment of the Board Mining of Dolomite – 92,561 TPA, High Steatite – 2,250 TPA & Low Grade Steatite – 9000 TPA over an extent of 2.428 Ha.

2) The industry has obtained Environmental Clearance from SEIAA, Andhra Pradesh vide order dated: 03.05.2019 for the Mining of Dolomite – 92,561 TPA, High Steatite – 2,250 TPA & Low Grade Steatite – 9000 TPA over an extent of 2.428 Ha. A copy of the EC is enclosed.

3) During inspection, it was observed that the unit has not started the mining activity and the unit representative has informed that they will start the mining activity only after obtaining CFE and CFO from the Board.

4) Water will be required for dust suppression to prevent fugitive dust emissions, greenbelt development and for domestic purpose will be 6.0 KLD. The industry generates domestic waste water of 1.5 KLD and is proposed to be disposed into septic tank followed by soak pit.

5) The main sources of dust emissions are emanated during emissions during drilling, blasting, excavation, loading & transportation and the industry has to implement measures as reported at S.No. 17(c).

6) The industry proposes to construct garland drains and siltation pond for the working pit to arrest the flow of slit and sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development etc.

21. Recommendations of the Regional Officer:

In view of the above, the application of unit for Consent for Establishment from the Board may be considered by stipulating suitable conditions.

22. ZO’s Remarks:
The time allotted (SLA) expires by 30.08.2019. Hence, the CFE was issued to the mine on 26.08.2019.

The issue is placed before the CFE Committee for ratification.