AGENDA ITEM FOR THE CONSENT FOR OPERATION COMMITTEE
MEETING TO BE HELD ON 31.07.2019
AT A.P. POLLUTION CONTROL BOARD, ZONAL OFFICE, KURNOOL.

CFO Agenda
Item No. 5

M/s. Harikrishna Granites, (2.056 Ha. Black granite mine), Sy.No.1141, Gorpadu (V), Pakala (M), Chittoor District.

I. M/s. Harikrishna Granites, (2.056 Ha. Black granite mine), Sy.No.1141, Gorpadu (V), Pakala (M), Chittoor District. has obtained CFE of the Board vide order dt. 22.03.2016 to carryout mining of Black granite – 832 m³/Annum in the mine lease area of 2.056 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 27.07.2019 are as follows:

1. Applied through
   OCMMS

   Date of commissioning
   July, 2019

   Date of Receipt of the CFO application at RO
   26.07.2019

   Date of RO Inspection
   26.07.2019

   CFO Validity status
   Obtained CFE and applied for CFO for the first time

   Date of Receipt of consent verification report at ZO
   29.07.2019

   Total Project Cost
   Rs.0.13 Lakhs - As per CFE order.

   Category of the industry
   Red - Haz

   Fee Details
   The industry has paid Consent fee of Rs.5,096/- towards CFO fee for both Acts under Red hazardous category for a period of Five years i.e., up to 30.06.2024.

2. Details of Raw Materials:
   Sl. No.  Raw Materials
   1. Mining of Black granite - In an area of 2.056 Ha.

3. Details of Products:
   Sl. No.  Products / Line of Activity  As per CFE Order dt: 22.03.2016  Applied (as per the application)
   1. Mining of Black granite (Mine lease area – 2.056 Ha.)  832 m³/Annum  832 m³/Annum

4. Details of Water Consumption: Bore wells
   Purpose  Quantity as per report
   Water Sprinkling / dust suppression  2.2 KLD
   Wet drilling  0.3 KLD
   Domestic  0.9 KLD
   Green belt  0.4 KLD

   Total:  3.8 KLD

5. Waste Water Details:
   Source  Quantity as per report
   Domestic  0.5 KLD

   Total  0.5 KLD

6. Treatment facilities:
   Source  Treatment facility
   Domestic  Septic tank followed by soak pit

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:
   S. No.  Source of Pollution  Control equipment provided  Flow rate in m³/hr.  Stack height in Mts - above GL
   1.  -  -  -  -

9. Details of Solid Waste:
   Name of the waste  Quantity of waste  Disposal Option
   Over burden soil (Top soil & rock waste)  30,490 m³/5 Years  Shall be dumped in the dump yard earmarked in the mining plan.
10. **Compliance of the industry for Fresh CFO / Schedule – B conditions for renewal CFE order No. CTR-1032/PCB/ZOK/CFE/2015-2160, Dt.22.03.2016.**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Condition</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Water: The source of water is through tankers and and the maximum permitted water consumption shall not exceed the following quantities.</td>
<td>Applied for permitted quantity</td>
</tr>
<tr>
<td>Sl No</td>
<td>Purpose</td>
<td>Quantity</td>
</tr>
<tr>
<td>--------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>1</td>
<td>Water Sprinkling / dust suppression</td>
<td>2.2</td>
</tr>
<tr>
<td>2</td>
<td>Wet drilling</td>
<td>0.3</td>
</tr>
<tr>
<td>3</td>
<td>Domestic</td>
<td>0.9</td>
</tr>
<tr>
<td>4</td>
<td>Green belt</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>3.8</td>
</tr>
<tr>
<td>2.</td>
<td>The maximum waste water generation (KLD) shall not exceed the following:</td>
<td>Applied for permitted quantity</td>
</tr>
<tr>
<td>S. No.</td>
<td>Wastewater generation</td>
<td>Total (KLD)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></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>
<tr>
<td>3.</td>
<td>Air: The project authority shall carry out only semi-mechanized open casting mining. The bocks shall be separated from the mother rock by using jack hammer drilling and wedge cutting by wire saw. The separated blocks shall be dressed manually. The project authority shall adopt wet drilling method to control dust emissions.</td>
<td>To be complied during the operation of the mine</td>
</tr>
<tr>
<td>4.</td>
<td>The project authority shall not carry out any basting operations.</td>
<td>To be complied during the operation of the mine</td>
</tr>
<tr>
<td>5.</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>Project proponent has provided water tanker and spraying water regularly on fugitive dust emission areas to control dust emissions.</td>
</tr>
</tbody>
</table>
| 6.     | 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.  | Project proponent has started formation work for making approach road to the Mine. |
<p>| 7.     | Solid waste: The Solid wastes generated shall not exceed the following breakup quantities: | To be complied during operation of the mine. |</p>
<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Solid Waste generation</th>
<th>Method of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Over burden (Top soil &amp; rock waste) -30,490 m³/5 years</td>
<td>Shall be dumped in the dump yard earmarked in the mining plan.</td>
</tr>
<tr>
<td>8.</td>
<td>Other conditions: The rock waste shall be dumped in the dump yard within the quarry lease area and the project authority shall not dump the overburden soil outside the quarry lease area under no circumstances.</td>
<td>To be complied during operation of the mine.</td>
</tr>
</tbody>
</table>
The project authority shall adopt and maintain the following measures to control erosion of dumps:
- Retention/toe walls shall be provided at the foot of the dumps.
- Worked out slopes are to be stabilized 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.

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.

The project authority shall develop greenbelt along the boundary of the mine lease area with tall growing trees with native species. The industry proponent has informed that they will develop greenbelt in the coming monsoon season along the haul road and mining area.

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.

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.

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.

### Inspection Officer Remarks:

a. 2.056 Ha. Black granite mine of M/s. Harikrishna Granites located at Sy.No.1141, Gopadu (V), Pakala (M), Chittoor District and it is a Black granite Mine.
b. The mining unit has obtained Consent for Establishment of the Board vide order dated: 22.03.2016 for mining of Black Granite – 832 m³/Annum in mine lease area of 2.056 Ha. Now, the mining unit has applied for CFO Fresh through APOCMMS on 26.07.2016 for the same products & capacities mentioned in the CFE order Dt.22.03.2016 and paid Consent fee of Rs.5,096/- towards CFO fee for both Acts under Red hazardous category for a period of Five years i.e., up to 30.06.2024.
c. 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 July, 2019.
d. The industry is adopting semi-mechanized open cast quarry by using jack hammer drilling & wire Saw cutting of the rock.
e. The industry utilizes water for Process, Dust suppression, Development of Green belt and Domestic purposes. The industry has provided septic tank followed by soak pit for disposal of domestic effluents.

f. Industry vide Lr.Dt.27.07.2019 Committed that they will provide retention wall, garland drain, worked out slopes within 3 months after starting of the mine.

g. The proponent of the industry informed that they will develop 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.

13. **Zonal Office Remarks:**
   As seen from the RO report, the representative of mine vide Lr.Dt. 27.07.2019 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.