



**State Level Environment Impact Assessment Authority (SEIAA)**

**Andhra Pradesh**

**Government of India**

**Ministry of Environment & Forests**

**A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.**

**REGD POST WITH ACK DUE**

**Order No. SEIAA/AP/ANT-01 /08- 2186**

**Dt:10-11-2008**

**Sub: SEIAA— M/s J.C. Ravindra Reddy, Sy.No.243 and 230, Julakalva (V), Singanamala (M), Ananthapur District, A.P. -Environmental Clearance - Issued – Reg.**

I. This has a reference to your application, Dt. 26.09.2007, and subsequent lr. Dt. 22.12.2007, 28.01.2008, 28.08.2008 & in this regard, seeking Environmental Clearance for the proposed Dolomite, Limestone and White Shale Mine titled **M/s J.C. Ravindra Reddy, Sy.No.243 and 230, Julakalva (V), Singanamala (M), Ananthapur District**. The proposal has been examined and processed in accordance with EIA Notification, 2006. It is observed that there are no Archaeologically & Historically important sites within the study area of 10 km around the proposed site. It is reported that nearest human habitation viz., Julakalva (V) exists at a distance of 2.0 km from the mining lease area. Mutssukota RF exists at a distance of 2.0km from the mine lease area. The capital investment of the project is Rs. 5 Lakhs. It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows:

<b>Dolomite</b>	<b>-4000 TPA</b>
<b>Limestone</b>	<b>-4500 TPA</b>
<b>White Shale</b>	<b>- 200 TPA</b>

II. The total mine lease area is 35.265 Ha. (88.16 Ac.). Out of that, minerals will be mined from 24.0 ha, area of green belt is 0.348 ha. It is an opencast mine. Mining activity is carried out by manually with help of jackhammer, crow-bar, spade, and showels by forming suitable benches. Blasting is adopted for fragmentation of the mineral. Total reserves of Dolomite, Limestone and White Shale are estimated as 2329704 tonnes, 412799 tonnes and 38235 tonnes respectively. The lives of the Dolomite, Limestone and White Shale mines are estimated as 582.5, 91.7 and 191.1 years respectively.

III. The SEAC in its meetings held on 09.10.2007, 25.01.2008, 26.02.2008, 29.04.2008 & 27.09.2008 has considered the project and recommended for issue of Environmental Clearance. Public Hearing was conducted on 30.07.2008, near Upper Primary School, Julakalva (V), Singanamala (M), Ananthapur District. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 02.02.2008, 09.04.2008 and 06.10.2008 examined the proposal and the recommendations of SEAC. It was decided to issue the Environmental Clearance. The SEIAA, A.P hereby accords Environmental Clearance to the project as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following conditions/safeguards:

## A. Specific Conditions:

### a) Air Pollution:-

- i. It is an open cast mine. Blasting is to be done with explosives. Necessary precautions are to be taken to control vibrations during blasting.
- ii. Wet drilling method is to be adopted to control dust emissions.
- iii. The ore shall directly be transported to the consumers after sizing. No beneficiation shall be done at the mining site.
- iv. Plantation shall be raised along the boundary of mining lease area, on either side of roads, etc. with the native species in consultation with the local DFO/Agriculture Department. It is proposed to develop green belt in an area of 0.348 ha. The density of the trees should be around 2000 plants per ha.
- v. The following measures are to be implemented to reduce air pollution during transportation of mineral:-
  - Roads shall be graded to mitigate the dust emission.
  - Over filling 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 by water sprinklers to suppress dust.
- vi. The following measures are to be implemented to reduce Noise pollution:-
  - Proper and regular maintenance of vehicles and other equipment
  - Limiting time exposure of workers to excessive noise.
  - 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.
- vii. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- viii. Measures should be taken for control of noise levels below 75 dB(A) in the work environment. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs.

**b)Water Pollution:-**

- ix. The source of water is bore well. Total water requirement is 6.0 KLD. Out of that 4.0 KLD is utilized for dust suppression and 2.0 KLD is used for development of green belt. About 0.50 KLD of water is utilized for Domestic purposes. It will be brought from the nearby village by a tanker. About 0.40 KLD of wastewater generated from the domestic section is to be disposed into septic tank followed by subsurface dispersion trench is to be provided.
- x. Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
- xi. Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern Region, Hyderabad.
- xii. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting.
- xiii. Permission from the competent authority should be obtained for drawl of ground water required for this project.

**b) Solid Waste:-**

- xiv. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
- xv. The following measures are to be adopted 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.

**B. General Conditions:**

- i. **This order is valid for a period of 20 years.** It was reported the lease period of the mine as 20 years in the approved mine plan.
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA before the start of any construction work at site.

- iii. No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P.
- iv. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in the prior environmental clearance in hard and soft copies to the SEIAA on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- v. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- vi. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, Nox) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- vii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- viii. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- ix. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- x. The funds earmarked for environmental protection measures (capital cost Rs. 4.50 lakhs and Recurring cost Rs. 5.0 lakhs) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bangalore.
- xi. The Regional Office of MOE&F located at Bangalore monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- xii. A copy of clearance letter shall be marked to concerned Panchayat /local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- xiii. State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center and Collector's Office /Tehsildar's Office for 30 days.
- xiv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned,

within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.

- xv. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xvi. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xvii. The proponent shall obtain all other mandatory clearances from respective departments.
- xviii. The proponent shall comply with all the commitments given in the public hearing in environmental point of view.
- xix. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-  
MEMBER SECRETARY  
SEIAA, A.P.

Sd/-  
MEMBER  
SEIAA, A.P.


Sd/-  
CHAIRMAN  
SEIAA, A.P.

To

✓ Sri J.C. Ravindra Reddy (Mine Owner),  
D.No.3/9A, Plot No.3, Near Anil Bus Stop,  
JNTU College Road,  
Ananthapur- 515002.

//T.C.F.B.O//

  
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

  
12/11/08