



**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/KNL-31/2008- 3209**

**Dt: 05-03-2011.**

**Sub: SEIAA, AP - M/s. South West Mining Ltd., Kalumlapalli (V), Bethamcherla (M), Kurnool District - Environmental Clearance - Issued - Reg.**

- I. This has reference to your application dt. 14.11.2008, 22.05.2010 & 24.06.2010 in this regard, seeking Environmental Clearance for the proposed **Dolomite Mine of M/s. South West Mining Ltd., Sy.No. 589/A, 575/A, 849 & 798, Kalumlapalli (V), Bethamcherla (M), Kurnool District**. The proposal has been examined and processed in accordance with EIA Notification, 2006. It is reported by the Sub-committee constituted by SEAC, that nearest human habitation viz., Kommuri Kottalu (V) exists at a distance of 1.5 km from the mine lease area. It is noted that several Reserve Forests exist within the study area of 10 km around mine lease area. The capital investment of the project is Rs. 5.1 Crores. It is noted that the production capacity of the project for which Environmental clearance has been considered is as follows:

**Mining of Dolomite - 0.36 Million TPA**

- II. It is an open cast mine operated mechanically. After breaking the mineral into required size by drilling and blasting, it is loaded into the trucks. No beneficiation of the ore is proposed within the mine lease area. The life of the mine is 88 years. The total mine lease area is 46.558 Ha.
- III. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on 29.12.2008, 03.03.2010 & 23.06.2010. The Public hearing was held on 10.03.2010 near MPP School, Elementary School, Kommuri Kottalu, Kolumlapalli (V), Bethamcherla (M), Kurnool Dist. The Sub-committee inspected the site on 22.02.2010. The Committee considered the project proposal, report of the sub-committee, minutes of public hearing and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 27.01.2011 examined the project proposal. It was decided to issue prior Environmental Clearance to the project. The SEIAA, A.P hereby accords prior **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. Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.
- ii. The crushed and screened ore shall directly be transported to the consumers. No beneficiation shall be done at the mining site.
- iii. Plantation of width 5.0m 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. The density of the trees should be around 2000 plants per ha.
- iv. The following measures are to be implemented to reduce air pollution during transportation of mineral:-
  - Roads shall be graded to mitigate the dust emission.
  - Crusher platform will be covered with GI sheets to arrest any 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.
- v. 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.
  - vi. 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.
  - vii. The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoE&F, GOI vide notification dt. 16.11.2009.
  - 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:-**

- i. The source of water is Ground water as reported at page no.42. Total water requirement is 45.0 KLD. About 44.0 KLD of water is used for dust suppression and for Development of green belt. About 1.0 KLD of water is required for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.
- ii. 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.
- iii. 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 MoE&F, CGWA and CGWB, Southern, Region, Hyderabad.
- iv. 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.
- v. Permission from the competent authority should be obtained for drawl of ground water required for this project.

**c) Solid Waste :-**

- i. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
- ii. 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.
- iii. The mineral waste generated during the mining process shall be stored in the mine lease area and shall be used for reclamation of the mine pit.

**B. General Conditions:**

- i. **This order is valid for a period of 20 years OR the expiry date of mine lease period issued by the Government of A.P., whichever is earlier.** It was reported that the life of the mine is 88 years.
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any mining 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 this order 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, PM<sub>10</sub>, PM<sub>2.5</sub>, 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, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>) 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. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams originating from the mine lease shall be taken.
- ix. 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.
- x. 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.
- xi. The funds earmarked for environmental protection measures / wild life conservation / occupational health and safety / social welfare activities / economic upliftment etc. (capital investment Rs.44.7 lakhs and recurring expenses Rs. 27.14 lakhs per/annum) as reported at page no. 79 of EIA report 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.
- xii. 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.
- xiii. 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.
- xiv. 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.

- xv. 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.
- xvi. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xvii. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.
- xviii. The proponent shall obtain all other mandatory clearances from respective departments.
- xix. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
- xx. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
- xxi. Concealing the factual data or 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.
- xxii. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxiii. 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  
M/s. South West Mining Ltd.,  
Vidyanagar, Torangallu,  
Sandur Taluka,  
Bellary Dist- 583275  
Karnataka.

T.C.F.B.O

  
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)