
Sir,

This has reference to your application dated 05.10.09 seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meeting held on 28/29.4.10.

2. Brief details of the Project:

1. Item No. in the list of Schedule/ Category: 1(a) B1, Soap stone & Dolomite Mine,


3. Total Area: 32.37 Hect

4. Mining Lease No.: M.L. No. 19/2009 (old 4/89)

5. Product & Capacity:

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Targeted production (MT/Yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soap stone</td>
<td>17,000</td>
</tr>
<tr>
<td>Dolomite</td>
<td>1,50,000</td>
</tr>
</tbody>
</table>

6. Expected Cost: Rs. 190 Lakhs.

7. Water Requirement & Source:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Purpose</th>
<th>Demand (KLD)</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mine operation</td>
<td>6</td>
<td>Sump water</td>
</tr>
<tr>
<td>2</td>
<td>Dust suppression</td>
<td>6</td>
<td>Sump water</td>
</tr>
<tr>
<td>3</td>
<td>Green belt development</td>
<td>2</td>
<td>Sump water</td>
</tr>
<tr>
<td>4</td>
<td>Drinking</td>
<td>2</td>
<td>Fresh water from outside lease area</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>


10. Approval of Mining Plan: Mining Plan & Progressive Mine Closure Plan approved by SME, DMG, Udaipur vide letter no. 4246 dt. 11.11.2009.
11. Environmental Management Plan

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Particulars</th>
<th>Capital cost in Lacs Rs.</th>
<th>Annual recurring cost in Lacs Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>(a) Environment Monitoring Laboratory</td>
<td>2.00</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(b) Yearly monitoring expenditure</td>
<td>-</td>
<td>0.50</td>
</tr>
<tr>
<td>2.</td>
<td>(a) Cost of water tanker</td>
<td>3.50</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(b) Cost of watering</td>
<td>-</td>
<td>2.50</td>
</tr>
<tr>
<td>3.</td>
<td>(a) First aid Room (Outside lease area)</td>
<td>0.50</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(b) Miscellaneous equipment</td>
<td>0.50</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(c) Health check up</td>
<td>-</td>
<td>0.50</td>
</tr>
<tr>
<td>4</td>
<td>(a) Afforestation-cost of plant protection</td>
<td>1.50</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(b) Upland/plantation of 1000 plant year</td>
<td>-</td>
<td>1.00</td>
</tr>
<tr>
<td>5</td>
<td>Ear muff &amp; plug and dust control measures</td>
<td>1.00</td>
<td>0.25</td>
</tr>
<tr>
<td>6.</td>
<td>Miscellaneous</td>
<td>1.00</td>
<td>0.50</td>
</tr>
</tbody>
</table>

**Total** 10.00 0.25

12. Present Status

1. The Kalora Mining lease was granted to the Lessee on 21st Sept.1970. Semal Mine of the Lessee having an area of 405.462 ha. surrounds this Mine, which was granted to Lessee w.e.f. 1.11.1971, this lease surrounds Kalora mining lease from three sides. Presently the working of the mines is confined in both Semal and Kalora Mine of the lessee and practically both the mining lease is actually one mine.

2. The major part of the mining activities is confined to one pit that is main pit. All the infrastructure of the leases like Office, Workshop, Staff Quarter, V.T. Centre, Magazine, ANFO mixing shed and other things fall outside lease area of Kalora in Semal Mines.


4. MoEF granted EC for both the mining lease by a single order No.J-11015/163/2004/IA.II (M) dated 17.02.2005 for a combined production of 37,500 M.T. of Soapstone & 3,30,000 M.T. per year Dolomite.

5. All the specific & general conditions as enumerated in the aforesaid combined EC have been fully implemented.

6. However the PP had submitted application before MoEF, New Delhi for combined EC as granted in year 2005 & the presentation of TOR took place on 17.09.2009. The Expert Committee in New Delhi directed the PP to present separate application for Kalora & Semal Mine in view of MoEF Notification dated 14.09.2006 & categorization of project upto 50 ha. & above 50 ha separately.

7. The purpose of present application for EC is for increasing annual production and renewal of mining lease.


9. Copy of letter no. 214 dt. 09.02.2010 issued by Mining Engineer, DMG, Udaipur Division, mentions that lease is not covered in Aravalli Hills Rang.

10. Public Hearing conducted on 19.03.2010 at mine site Near village-Kalora, Tehsil-Girwa, District-Udaipur. The minutes of the PH have been forwarded by the RSPCB along with its observations (quoted below) vide letter no. 144 dt. 29.04.2010.

(a) "The Project Proponent will carry out mining as per approved Mining Plan.
(b) The Project Proponent will stack the top soil separately and will use it for reclamation of mined out pits/overburden dumps.
(c) The Project Proponent will dump the overburden at pre-designated site and will construct Retaining Wall and Siltation Pond around the dump.
(d) That the Project Proponent will not abstract ground water/intersect ground water table without obtaining permission form the Central Ground Water Authority.
(e) That the Project Proponent will carry out only controlled blasting and will obtain permission from Director, Mine Safety and Director, Explosives.
(f) That the Project Proponent will not obstruct the natural drains in and around the lease area.
(g) The Project Proponent will carry out plantation in at least 33% of the total lease area".

3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC Rajasthan hereby accord Environmental Clearance to the project as per
the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

A SPECIFIC CONDITIONS:

i. All the conditions stipulated by the RPCB in its NOC should be effectively implemented.

ii. This environment clearance is granted to the “Kalora Soap Stone & Dolomite mine (ML no. 19/2009, old-4/89; area 32.37 ha.)” for enhancing the production of Soap Stone to 17,000 M.T./year and Dolomite to 1,50,000 M.T./year.

iii. As stated by the PP, the total water requirement for the project shall be limited to 16 KLD.

iv. The PP shall invest at least Rs. 10.00 Lakhs on implementing the EMP. Besides, initially, a sum of Rs. 5.00 lakhs shall be provided by the PP for education, health and/or habitat to the community including addressing public hearing issues and Rs 1.00 Lakhs per annum on these activities shall be earmarked and effectively utilized and reflected in the books of accounts. Relevant report of the same to be made a part of social monitoring and six monthly compliance reports should be submitted to RPCB and MoEF Zonal Office, Lucknow.

v. The mining operations shall not intersect groundwater table. In case of working below ground water table, prior approval of the Central Ground Water Authority shall be obtained.

vi. The PP shall construct Rain Water Harvesting Structure and Artificial Recharge Structure in the lease area as also implement other/suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, CGWB.

vii. Occupational health and safety of mine labour be given the highest priority.

viii. Topsoil shall be stacked temporarily at earmarked sites only and it should not be kept unutilized for a period more than three years; it should be used for land reclamation and plantation in mined out areas.

ix. The project proponent shall ensure that no natural water course / water body shall be obstructed due to any mining operations.

x. The PP shall not mine Asbestos in the lease area, if any. Regular asbestos monitoring shall then be carried out and results submitted with ambient air monitoring results to RPCB.

xi. The dumping site selected and proposed shall be used for OB dump at the designated site as per the approved mine plan. The waste should be dumped at designated site as per approved Mining Plan on non-mineralized land. The PP shall remove all old overburden from charagah & agriculture land, if any.

xii. The benches height and slope shall be maintained as per the DGMS approval.

xiii. The overburden generated shall be stacked at earmarked dump site (s) only and it should not be kept active for long period of time. Only one dump be kept active at a time and after dumping is over, it should be stabilized by suitable plantation.

xiv. The maximum height of the already existing waste dumps shall not exceed 5 meters in single terraces.

xv. Waste dump shall be terraced. The height of the dump and its slope shall not exceed than suggested / DGMS requirements. A retaining wall shall be constructed at the toe of the dump.

xvi. Garland drains shall be constructed to prevent the flow of the water in the dumps.

xvii. The PP shall not obstruct the natural drains in the area.

xviii. Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.

xix. De-siltation of the check dams shall be done regularly during rains.

xx. Take all safety measures as per the various mining regulations specifically pertaining to open cast / underground mines.

xxi. The total waste generated in the present plan period shall be as envisaged, shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Six monthly compliance reports should be submitted to RPCB and MoEF Zonal Office, Lucknow.

xxii. Permission from the competent authority shall be obtained for drawal of ground water, if required.

xxiii. Drills shall either be operated with dust extractors or equipped with water injection system.

xxiv. The higher benches of excavated void / mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.

xxv. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps 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 de-silted, particularly after monsoon, and maintained properly.

xxvi. Garland drains; settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate pits which should be constructed at the corners of the garland drains and de-silted.

xxvii. Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run - off and siltation should be based on the rainfall data.

xxviii. Plantation shall be raised in an area of 33% area including green belt in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be 1100 plants per hectare.
xxx. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.

xxx. Regular pre and post monsoon monitoring of ground water level and quality should be carried out in and around the mine lease. The monitoring should be carried out four times in a year - pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MoEF Regional Office, Lucknow; CGWA and Regional Director CGWB, Jaipur.

xxxi. Data on ambient air quality and stack emissions should be submitted to Rajasthan State Pollution Control Board once in six months and monitoring be carried out by MOEF/NABIP/CPCB/RPCB/Government approved lab

xxxii. Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.

xxxiii. Blasting operation should be carried out only during the daytime and controlled blasting should be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.

xxxiv. Consent to operate should be obtained from RPCB before starting enhanced production from the mine.

xxxv. The project proponent should take all due care to protect existing fauna.

xxxvi. A final mine closure plan along with details of corpus fund should be submitted to the MoEF 5 years in advance of final mine closure for approval.

xxxvii. A sum of rupees at least equal to 5% or Rs 500000 (which ever is more) of the total project cost may be kept earmarked for socio economic upliftment activities of the area particularly in the area of habitat, sanitation, health or education, and spend prior to receiving of CTE, and thereafter 1% of annual profit in the balance as recurring cost shall be provided. Item wise break up in this regard may be submitted to RPCB at the time of applying for CTE

xxxviii. The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety purposes.

xxxix. Group Insurance is to be provided.

xl. The PP shall ensure that, the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company’s website and displayed at the project site.

xli. The SEIAA, Rajasthan reserve the right to add new conditions, modify/annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow and RPCB.

B General Conditions:

1. Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
2. Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
3. Periodic monitoring of ambient air quality shall be carried out for PM_{10}, PM_{2.5}, SPM, SO₂ and NO₂ monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Rajasthan State pollution Control Board (RPCB). Six monthly reports of the data so collected shall be regularly submitted to the RPCB/CPCB including the MoEF, Regional office, Lucknow.
4. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
5. Industrial waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May’93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
6. Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
7. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
8. The project authorities shall inform the RPCB and the Regional office of MoEF located at Lucknow as well as to the SEIAA regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
9. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the RPCB and the Regional office of MoEF located at Lucknow.
10. The RPCB and MoEF, Regional Office, Lucknow shall monitor compliance of the stipulated conditions. The project authorities shall provide a set of a filled in questionnaire and EIA/EMP report to them and extend full cooperation to the above office(s) by furnishing the requisite data/information/monitoring reports.
11. The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the RPCB, CPCB and MoEF, Regional Office, Lucknow.
12. A copy of the clearance letter will be marked to the concerned Panchayat/local NGO, if any, from whom suggestions/representations were received while processing the proposal.
13. The RPCB and MoEF, Regional Office, Lucknow shall provide a copy of the clearance letter at the Regional Office, District Industry Center and Collector/Tehsildar’s office for 30 days.
14. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further conditions in the interest of environment protection.
15. 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.

16. 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(all amended till date) and rules made hereunder and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Rajasthan and any other Court of law relating to the Subject Matter.

17. Any appeal against this Environmental Clearance shall lie with the National Environmental Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.

18. The Project authorities shall advertise at least in two local newspapers widely circulated around the project, 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 RPCB and its web site, besides, a copy of the same shall be forwarded to the Regional Office of MoEF located at Lucknow.

Yours faithfully,

(Sankatha Prasad)
Member Secretary
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment and Forest, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
4. Shri R.S. Bhandari, Member, SEIAA Rajasthan, 2- Museum Road, Ram Niwas Bagh, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur.
6. Secretary, SEAC Rajasthan.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.

M.S. SEIAA (Rajasthan)