To,

M/s Haldighati Minerals & Traders,
Opp. Hotel JanPath, N.H NO.8,
Khairwara,
Distt.-Udaipur.

Sub: EC for Production Capacity Enhancement in Deola Soapstone & Dolomite Mine (M.L. No. 02/98) Near Village-Deola Tehsil-Dhariyawad, Distroct-Pratapgarh (Raj.) (20.75ha)

Sir,
This has reference to your application dated 23.08.07 to Government of India 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 meetings held on 21/22.12.10 & 23/24.6.11.

2. **Brief details of the Project:**

<table>
<thead>
<tr>
<th>Item No. in the list of Schedule/Category</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Location of Mine</td>
<td>Near Village-Deola, Tehsil-Dhariyawad, Distt.-Pratapgarh</td>
</tr>
<tr>
<td>Total Area</td>
<td>M.L. Area 20.75 ha.</td>
</tr>
<tr>
<td>Mining Lease No.</td>
<td>M.L. No.02/98</td>
</tr>
<tr>
<td>Product &amp; Capacity</td>
<td>Production Capacity Enhancement upto:-</td>
</tr>
<tr>
<td></td>
<td>a) 8,450 M.T./annum of mineral soapstone</td>
</tr>
<tr>
<td></td>
<td>b) 25,000 M.T./annum of mineral dolomite</td>
</tr>
<tr>
<td>Expected Cost</td>
<td>Rs. 20.45 lacs</td>
</tr>
<tr>
<td>Water Requirement &amp; Source</td>
<td>6.5 KLD</td>
</tr>
<tr>
<td>Fuel &amp; Energy</td>
<td>Source – Dug well / tube outside the lease area in initial stage, later on rain water collected in pits will be used.</td>
</tr>
<tr>
<td>Method of Mining</td>
<td>No electricity will be required &amp; fuel will be obtained from authorized petrol pump and about 75 Liter/day.</td>
</tr>
<tr>
<td>Approval of Mining Plan</td>
<td>The mining method is opencast &amp; will be carried out manually.</td>
</tr>
<tr>
<td>Environmental Management Plan</td>
<td>Approved by Additional Director, Director of Mines and Geology, Udaipur.</td>
</tr>
</tbody>
</table>

(a) Two Village Deola & Bharkundi will be adopted for social development like hand pump for drinking water, to construct room & playground for school and organizing regular health camp. Total fund is Rs 5.00 Lacs
(b) 1,100 trees upto 5th year and 12,500 trees up to end of lease period are proposed to be planted along lease boundary.

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:
PART A: SPECIFIC CONDITIONS

1. Consent to operate should be obtained from RPCB before starting enhanced production from the mine.
2. All the conditions stipulated by the RPCB in its NOC should be effectively implemented.
3. This environment clearance is granted to the Deola Soapstone & Dolomite mine (ML No. 02/98; area 20.75 ha.) near village Deola, Tehsil-Dhariyabad, District-Udaipur for the production of Soap Stone 8450 TPA & Dolomite 25,000 TPA.
4. As stated by the PP, the total water requirement for the project shall be limited to 6.5 KLD.
5. As envisaged, the PP shall invest at least Rs. 5.00 lakh as capital cost and Rs. 0.65 Lakhs towards annual recurring cost for implementing the Environment Management Plan.
6. Further, for C.S.R. an amount of Rs. 5.00 lakhs & at least Rs. 2.50 Lakhs (towards annual recurring cost) may be kept earmarked for socio-economic upliftment activities in the area particularly in the field of Occupational health and safety, Campaign & training program, Social welfare, Rain water harvesting in school and plantation outside the lease area (at village-Deola & Bharkundai). This amount shall be earmarked, 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, Regional Office, Lucknow.
7. 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.
8. 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.
9. Occupational health and safety of mine labour shall be given the highest priority.
10. Drills shall either be operated with dust extractors or equipped with water injection system.
11. The PP shall not mine Asbestos in the lease area.
12. 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 over burden 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 is should be stabilized by suitable plantation.
13. The benches height and slope shall be maintained as per the DGMS approval.
14. The dumping site should continue until the vegetation becomes self-sustaining. Six monthly compliance reports should be submitted to RPCB and MoEF Regional Office, Lucknow.
15. The maximum height of the already existing waste dumps shall not exceed 5 meters in single terraces.
16. 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.
17. Waste dump shall be terraced. The slope 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.
18. Garland drains shall be constructed to prevent the flow of the water in the dumps.
19. Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains. De-silting of the check dams shall be done regularly during rains.
20. 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.
21. The total waste generated in the present plan period shall be as envisaged, which 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 Regional Office, Lucknow.
22. Drill shall either be operated with dust extractors or equipped with water injection system.
23. 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.
24. 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 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.
25. The 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.
26. 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. Peripheral fencing shall be carried out along the excavated area.

C:\Documents and Settings\Administrator\Desktop\S.Prasad\SEIAA-SEAC\EC File\SEIAA\SEIAA EC from April 2011.doc
body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be 1,100 plants per hectare ensuring survival of at least 800 plants per hectare.

28. 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.

29. 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.

30. Data on ambient air quality and stack emissions should be submitted to Rajasthan State Pollution Control Board once in six months, carried out by MOEF/NABL/CPCB/RPCBiGovernment approved lab.

31. Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for regular 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.

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

33. The project proponent shall all take due care to protect the existing Flora and Fauna. Utmost precaution shall be taken to conserve wildlife.

34. 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.

35. 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.

36. Group Insurance is to be provided.

PART 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, SO$_2$ and NO$_x$ monitoring. Location of the stations (minimum 6) 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 shall display a copy of the clearance letter at the Regional Office, District Industry Center and Collector/Tehsildar’s office for 30 days.

C:\Documents and Settings\Administrator\Desktop\S. Prasad\SEIAA-SEAC\ECC Files\SEIAA\SEIAA EC from April 2011.doc
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.
3. Shri S.C. Dernshri, Chairman, SEIAA Rajasthan, 90, Gerejgarh Vihar, Hawa Sarak, 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 for information & necessary action and to display this sanction on the website of the Rajasthan State Pollution Control Board, Jaipur.
6. Secretary, SE AC Rajasthan.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Nodal Officer (Departmental Website), Department of Environment, Government of Rajasthan, Jaipur with the request to upload the copy of this environmental clearance on the website.

M.S. SEIAA (Rajasthan)