State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalan Doongri, Jaipur-302004
Phone: 0141-2705633, 2711329 Ext. 361

No: F1 (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat.1(a)/B1(274)/10-11
Jaipur, Dated: 22 Nov 2012

To,
M/s Nathany Minerals Corporation,
C/o Sh. Prem Lal Samriya,
S/o Sh. Bansilal Samriya,
R/o & P.O. Raila Road, Tehsil-Banera,
District.- Bhilwara

Sub: EC for proposed Mica Mine project (ML no. 03/90; area 34.88 ha.) near village-Ganeshpura & Purohito ka Khera, Tehsil-Mandal, Distt.-Bhilwara.

Sir,
This has reference to your application dated 10.5.10 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 23/24.2.12, 30.4.12-1.5.12 & 25/26.10.12 and SEIAA meeting 19/20.3.12.

2. Brief details of the Project:

<table>
<thead>
<tr>
<th>Item No. in the list of Schedule / Category:</th>
<th>I(a) B-1</th>
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</thead>
<tbody>
<tr>
<td>Location of Mine:-</td>
<td>Near village - Ganeshpura &amp; Purohito ka Khera, Tehsil-Mandal, Distt.-Bhilwara.</td>
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<tr>
<td>Total Area</td>
<td>34.88 ha. (i.e. Private Agriculture land 27.86 ha. &amp; Govt. Waste land 7.02 ha.)</td>
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<tr>
<td>Mining Lease No:-</td>
<td>03/90</td>
</tr>
<tr>
<td>Product &amp; Capacity:-</td>
<td>Mica mining</td>
</tr>
<tr>
<td>Enhancement in production capacity from 192 TPA to 422 TPA</td>
<td></td>
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<tr>
<td>Expected Cost:-</td>
<td>Rs. 5.00 lacs.</td>
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<tr>
<td>Water Requirement &amp; Source:-</td>
<td>Total 5 KLD [i.e. 2.0 KLD for Mining Operation, 2.0 KLD for plantation &amp; 1.0 KLD domestic uses]</td>
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<tr>
<td>Fuel &amp; Energy:-</td>
<td>HSD proposed daily consumption 60 Ltr.</td>
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<tr>
<td>Method of Mining:-</td>
<td>Open cast manual involving drilling and blasting,</td>
</tr>
<tr>
<td>Approval of Mining Plan:-</td>
<td>Mining plan approved by RCoM, IBM, Ajmer vide letter no. 584(4)(3)(959)/2006 dt. 22.01.2007 for renewal of mining lease of mica mine, subject to inclusion of minerals Quartz &amp; Feldspar in the lease deed from the D.M.G.</td>
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<tr>
<th>Environmental Management Plan:-</th>
<th>S. No.</th>
<th>Particulars</th>
<th>Capital Cost (Rs.)</th>
<th>Annual Recurring Cost (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pollution control</td>
<td>a.) Air (water spraying)</td>
<td>50,000</td>
<td>40,000</td>
<td></td>
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<td></td>
<td>b.) Water (water analysis)</td>
<td>40,000</td>
<td>10,000</td>
<td></td>
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<td></td>
<td>c.) Noise (Monitoring &amp; PPE)</td>
<td>30,000</td>
<td>10,000</td>
<td></td>
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<tr>
<td>2 Pollution monitoring</td>
<td>Air sampling &amp; analysis</td>
<td>50,000</td>
<td>80,000</td>
<td></td>
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<tr>
<td></td>
<td>Water Quality</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Noise &amp; Vibration Monitoring</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Green belt plantation (in lease area)</td>
<td>30,000</td>
<td>30,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Occupational health (medical checkup)</td>
<td>-</td>
<td>40,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Reclamation/Rehabilitation of mined out area</td>
<td>-</td>
<td>30,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2,40,000</td>
<td>2,50,000</td>
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</table>
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 State Pollution Control Board in its NOC should be effectively implemented.

ii. The EC is granted for increasing the “Mica production capacity from 192 TPA to 422 TPA” over an area of 34.88 ha.

iii. As stated by the PP, total water requirement shall be limited to 5 KLD [i.e. 2.0 KLD for Mining Operation, 2.0 KLD for plantation & 1.0 KLD for domestic uses].

iv. As envisaged, the P.P. shall provide for the implementation of Environmental Management Plan (Rs.2.40 lacs as initial capital cost & Rs. 2.50 lacs as the annual recurring cost) and for implementation of CSR activities (Rs. 1.50 lacs as recurring cost per year). 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 P.P. should ensure raising plants/trees in 15 years or earlier with survival of at least @ 1000 trees per hectare. The total plantation shall be 16,750 trees in 16.91 ha. afforested area.

vi. The PP shall undertake to ensure minimum losses to the crops and undertake to contribute suitably for compensation to the loss/damage to crops within 10 (ten) kilometers (the mandatory study area).

vii. The mining operations shall not intersect ground water table. In case of working below ground water table prior approval of the Ministry of Environment & Forest and Central Ground Water Authority shall be obtained for which a detailed hydro-geological study shall be carried out.

viii. Topsoil shall be stored 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. Regular asbestos monitoring shall be carried out and results submitted with ambient monitoring results.

xi. The dumping site selected and proposed will be used for OB dump at the designated site as per the approved mine plan. 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 over burden generated shall be stacked at earmarked dump site (s) only and it should not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meters in single terraces.

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

xv. Garland drains will be constructed to prevent the flow of the water in the dumps.

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

xvii. De-silting of the check dams will be done regularly during rains.

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

xix. The total waste generated in the present plan period will be as envisaged, which will be accommodated in old dump site in addition to the waste already dumped. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the SEIAA, Rajasthan, RPCB and Ministry of Environment, Zonal Office, Lucknow on six monthly bases.

xx. 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.

xxi. Drills shall either be operated with dust extractors or equipped with water injections system.

xxii. 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.

xxiii. Garland drains, setting 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 should be constructed at the corners of the garland drains and de-silted.

xxiv. 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.

xxv. 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 2000 plants per year with assured survival of 1000 plants/yr.

xxvi. 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 Central Pollution Control Board in this regard.

xxvii. The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.

xxviii. Regular 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) and data thus collected may be sent regularly to MoEF Regional Office, Lucknow; CGWA and Regional Director Central Ground Water Board, Jaipur.

xxix. Permission from the competent authority should be obtained for draw of ground water, when required.

xxx. 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.

xxxi. 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.

xxxii. Consent to operate should be obtained from SPCB for starting enhanced production from the mine.

xxxiii. The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation will be drawn and approved by the State Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the SEIAA, RPCB and MoEF, Regional Office, Lucknow within 3 months.
xxxiv. A final mine closure plan along with details of corpus fund should be submitted to the ministry of Environment & Forests 5 years in advance of final mine closure for approval.

xxxv. 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.

xxxvi. Group Insurance is to be provided.

xxxvii. Document to be provided:
- Letter for correct water demand be provided.
- Plans for the protection of the existing plant should be provided.
- Aravalli hills clearance certificate to be in line with the requirements of the judgment by Hon’ble Supreme Courts.
- Rehabilitation plan to be provided.
- Lease condition compliance report is to be provided.
- Seasonal air quality data to be provided.
- A Voluntary commitment of the Social responsibility activities to be undertaken by the project proponent and the budgeted amount proposed for such activity.

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 PM10, PM2.5, SPM, SO2 and NOx 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.
14. The SEIAA, Rajasthan reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Rajasthan or any other competent authorities is not satisfactory.
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 PP shall ensure advertising in at least two local newspapers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpsc.nic.in. The advertisement shall be made within 7 (seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur (S) of the Board.

19. All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority.

20. These stipulations would also be enforced amongst the others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification‘06.

21. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.

22. Environment 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 the year 2004 as may be applicable to this project.

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. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Smt. Alka Kala, Chairman, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
4. Shri Moti Lal Daima, Member, SEIAA, Rajasthan, 48/9, Moti Path, Mansarover, 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, SEAC Rajasthan.
8. Environment Management Plan- 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)