

## State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

No: F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/ Cat. 1(a)B1/(244)/ 2009-10

Jaipur, Dated:

To,

M/s Paras Mineral Industries  
C/o Paras Trading Industries,  
Shastri Marg,  
Dungarpur

30 JUL 2012

**Sub:** EC for proposed Dewal Gopal Soapstone Mine (M. L. No. 18/09; area 24.22 ha) N/v-Dewal, Tehsil & Distt.- Dungarpur.

Sir,

This has reference to your application dated 19.11.09 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 meetings held on 23/24.2.12, 18/19.6.12.

### 2. Brief details of the Project:

1.	Category / Item no.(in Schedule):	1(a)B1					
2.	Location of Mine/Project	Dewal Gopal Soapstone Mine (ML.No. 18/09; area 24.22 ha) located near Village -Dewal, Tehsil & District – Dungarpur in SoI, G.T. Sheet no. 46 E/09					
3.	Lease Area	24.22 ha. (Govt. Waste land)					
4.	M. L. No.	18 / 09 (Renewal)					
5.	Product & Capacity	Soapstone, Enhancement of Production Capacity from 12,000 TPA to 20,000 TPA					
6.	Expected Cost:	Total Rs. 44.93 lacs (as per Questionnaire, S. No. 45 on page – 27)					
7.	Water Requirement & Source	S. No.	Purpose	Quantity(m <sup>3</sup> /day)	Source		
		1	Drinking	0.50	Hand Pump/Well		
		2	Dust Suppression	4.00	Rain water collected in Mine sumps		
		3	Green Belt	2.50			
		Total			7.00		
8.	Fuel & Energy:-	Power requirement – Nil, HSD requirement – 138 Lit./day					
9.	Method of Mining	Open cast, Semi Mechanized Mining associated with rock drilling and blasting.					
10.	Mining Plan	1. Mining plan with Progressive Mine Closure Plan approved by the SME, DMG, Udaipur vide letter no. 5751 dt. 19.01.2010. 2. Approved Mining Plan with Progressive Mine Closure Plan - <u>Not submitted</u>					
11.	Environment Management Plan :- (Note:- These figure are as per Questionnaire S. No. 46, Page – 27)	Cost of Environmental Protection Measures. (Rs. in lacs)					
		S. No	Purpose	Capital Cost		Annual Recurring Cost	
				Existing	Proposed	Existing	Proposed
		1	Pollution Control	--	3.00	--	0.20
		2	Pollution Monitoring	--	3.00	--	0.30
		3	Occupational Health	--	1.00	--	0.20
		4	Green Belt	--	2.00	--	0.20
		5	Reclamation/rehabilitation of mined out area	--	2.50	--	0.20
		6	Dump Management	--	1.00	--	0.10
		7	Miscellaneous (Check dams, garland drains etc.)	--	1.50	--	0.10
Total		--	14.00	--	1.30		
12.	CSR Activities	Socio Economic Package	Village Adopted	Capital Amount Earmarked	Annual Recurring Amount Earmarked		
		Handpumps, School Room, Play Ground	Dewal	Rs. 5,00,000/-	Rs. 50,000/-		
Note:- Above details are as per Questionnaire S. No. 47, Page 27 and Annexure – VIII point no. 5.							



13	Green Belt Development  (as per EIA/EMP report, page – 100, table no. 9.3).	Year Stage	Area in Hectare		No. of Trees	Remarks
			Afforested	Mined out benches		
		Present	0.70	--	700	Green Belt: Existing Afforestation on barren area:
		5 <sup>th</sup> Year	2.20	--	2200	Green Belt: Existing Afforestation on barren area:
		End of Lease Period (2030)	4.00	9.18	13180	Green Belt: Existing Afforestation on barren area & Mind out benches

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 “Enjancement of Soapstone production capacity 12,000 TPA to 20,000 TPA” over an area of 24.22 ha.
- iii. As stated by the PP, total water requirement shall be limited to 7.00 M<sup>3</sup>/day (i.e. dust suppression-4.00; drinking 0.50 and Green belt development-2.50) M<sup>3</sup>/day. Source Rain water collected in Mine sumps and hand pump/well.
- iv. As committed, the PP shall invest at least Rs. 14.00 Lacs on initial capital component and thereafter Rs. 1.30 Lacs per year on implementing the Environmental Protection Measures under the Environmental Management Plan
- v. P.P. shall earmark and invest a minimum amount of Rs. 5.00 lacs as capital cost and 0.50 Lacs recurring cost per year for various CSR activities covering agriculture awareness camps, animal husbandry camps, first aid training camps, mine mate camps, aid to schools etc. report of the same to be made a part of social monitoring and Six monthly compliance reports shall be submitted to SEIAA Rajasthan, RPCB and MoEF Regional Office, Lucknow.
- vi. The PP should ensure raising plants/trees in 7 years or earlier with survival 500 trees per hectare.
- vii. 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).
- viii. The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table prior approval of the SEIAA Rajasthan and Central Ground Water Authority shall be obtained for which a detailed hydro-geological study shall be carried out.
- ix. Topsoil shall be stacked temporarily at earmarked sites only and it should not be kept unutilized for a period more than three years. The topsoil should be used for land reclamation and rehabilitation of mined out areas.
- x. The project proponent shall ensure that no natural watercourse/water body shall be obstructed due to any mining operations.
- xi. 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 5.0 m and it will be protected by walls of rubble stones on the down streamside to prevent the flow of fine particles.
- xii. The overall slope of mine shall not exceed 60 degree.
- xiii. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the RPCB and MoEF, Regional Office, Lucknow on six monthly basis.
- xiv. The void left unfilled in the abandoned mine area shall be converted into water body. 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.
- xv. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of slit 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.
- xvi. 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 to be constructed at the corners of the garland drains and de-silted.
- xvii. 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.
  - xviii. As envisaged, the plantation shall be raised in a total area of 5.29 ha as given in the EMP including 2.88 ha green belt in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed area, ground water body, roads etc. in consultation with the local DFO/Agriculture Department.. The PP shall ensure that the number of surviving trees are 1000 trees/per ha.
  - xix. 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.
  - xx. 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.
  - xxi. 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 winter (January) and the data thus collected may be sent regularly to RPCB and MoEF, Regional Office, Lucknow, Central Ground Water Authority and Regional Director Central Ground Water Board.
  - xxii. Permission from the competent authority should be obtained for drawl of ground water, if any, required for the project.
  - xxiii. 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.
  - xxiv. 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.
  - xxv. Drills shall either be operated with dust extractors or equipped with water injections system.
  - xxvi. Consent to operate should be obtained from RPCB starting enhanced production from the mine.
  - xxvii. The project proponent should 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 RPCB and MoEF, Regional Office, Lucknow within 3 months.
  - xxviii. A final mine closure plan along with details of corpus fund should be submitted to the Ministry of Environment & Forest 5 years in advance of final mine closure for approval.

#### **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<sub>10</sub>, PM<sub>2.5</sub>, SPM, SO<sub>2</sub> and NO<sub>x</sub> 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 compliance & monitoring reports on the status of the implementation of the stipulated environmental safeguards to the SEIAA, Rajasthan, 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 Honb'le 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 news papers 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.rpcb.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 Honb'le 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,

*Sd*  
(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, Mansarovar, 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.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', Aliganj, Lucknow-226 020.
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.*  
M.S. SEIAA (Rajasthan)