State Level Environment Impact Assessment Authority, Rajasthan

Main Building, Room No. 5221, Secretariat, Jaipur.

E-mail : seiaaseiaa2018@gmail.com Phone no. 0141-2227838

No F1 (4)/SEIAA/SEAC-Raj/Sectt/Project /Cat. 1(a) B2(16156)/ 2019-20 Jaipur, Dated: 26 NOV 2019

Shri Sada Ram S/o Sh Hema Ram
Vill & Post–Aakli,
Tehsil-Shiv, Distt-Barmer (Raj.)

Sub:- EC for Proposed Bentonite Mining Project (M L Area. 1.90 Ha. and Ref. No. 2019100007076) With Production Capacity of 55,650 TPA Located, Near Vill.-Dolkiya, Tehsil-Shiv, Distt-Barmer (Raj.).**(Proposal No. 38178)**

This has reference to your application dated 17.07.2019 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 Appraisal Committee Rajasthan, in its meeting held on 04 to 07 and 13-14 November, 2019.

2 Brief details of the Project:

<table>
<tr><td>1.</td><td>Category / Item no.(in Schedule):</td><td>B2</td></tr>
<tr><td>2.</td><td>Location of Project</td><td>Near Village- Dolkiya, Tehsil- Shiv, District- Barmer, Raj.</td></tr>
<tr><td>3.</td><td>Project Details
M.L. No. /Production capacity</td><td>Mineral: Bentonite
Reference No- 2019100007076
Area – 1.90 ha.
Production Capacity 55650TPA</td></tr>
<tr><td>4.</td><td>Project Cost:</td><td>Rs. 30 Lakhs</td></tr>
<tr><td>5.</td><td>Water Requirement & Source</td><td>Total Water Required- 3.0 KLD
Domestic Purpose –1.0 KLD
Dust Suppression + plantation –2.0 KLD</td></tr>
<tr><td>6.</td><td>Fuel & Energy:-</td><td>Fuel will be required for mining machineries and No electricity will be required because mining activities will operate in day shift only</td></tr>
<tr><td>7.</td><td>Environment Management Plan</td><td>Annual expenditure of in Rs.- 50,000 per year
<table>
<tr><th>S. No.</th><th>Description of Item</th><th>Cost Per Year (inRs.)</th></tr>
<tr><td>1</td><td>Air Pollution Control –Water Sprinkling</td><td>10,000</td></tr>
<tr><td>2</td><td>Environmental Monitoring and Management Occupational Health and Safety</td><td>20,000</td></tr>
</table></td></tr>
</table>

		3	Green Belt Development	20,000
			Total	50,000

8. CSR /ESR Activities

Annual expenditure of in Rs.- 60,000 per year

S. No.	Activity to be done by PP	Total Expenditure
1.	PP will Donate Two Sets of Computers with printer for education of children's in Govt.upper Primary School Nimbla (9.6 Km in E direction), Tehsil- Shiv, Distt- Barmer	50,000 /-
2.	PP will contribute for oil paints on all wooden doors of rooms& windows of in Govt.upper Primary School Nimbla(9.6 Km in E direction),. Tehsil- Shiv, Distt- Barmer	10,000 /-
Total		60,000 /-

9. Green Belt/ Plantation

Annual expenditure of in Rs.- 20,000 per year

10. Budgetary Breakup for Labour

Annual expenditure of in 25,000 per year

S. No	Facilities Provided For Labourers	Cost (in Rs.)
1.	Supply of PPE equipment's (Earplugs, Masks, Safety shoes)	10,000
2.	Supply of fuel for cooking	7,000
3.	Drinking Water & Sanitation Facility- Mobile Toilets	8,000
Total		25,000

11. Plantation

Year	Target of Plantation	Budget for Plantation
First	166	20,000
Second	166	20,000
Third	164	20,000
Fourth	Maintenance	10,000
Fifth	Maintenance	10,000
Conceptual Stage	-	-
Total	496	80,000

Around 496 plants will be planted in next three years, area in safety zone boundary (134Plants) & outside the lease area (362 plants) (Own Khatedari land).

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 in its 4.28th Meeting held on 20.11.2019 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:

ANNEXURE-"A"

SPECIFIC CONDITIONS

1. This EC is granted for mining of the mineral with production mentioned in the above table subject to the stipulation that the PP shall abide by the annual production scheduled specified in the mining

plan and that any deviation theirin will render the PP liable for legal action in accordance with Environment and Mining Laws.

2. The PP shall obtain Consent to Establish and Operate from the Rajasthan State Pollution Control Board under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, before carrying out mining activity.
3. The PP shall comply with the provisions of the Mines and Minerals (Development and Regulation) Act, 1957 and the rules made thereunder.
4. The PP shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of the Hon'ble Supreme Court dated 02.08.2017 in the matter of Writ Petition (Civil) No. 114 of 2014, Common Cause V/s Union of India & others before grant of ToR/EC. The undertaking inter-alia include commitment of the PP not to be repeat any such violation in future.
5. In case of violation of above undertaking/ affidavit, the ToR/EC shall be liable to be terminated forthwith.
6. The environmental clearance will not be operational, till such time the project proponent complies with all the statutory requirements and judgment of the Hon'ble Supreme Court dated 02.08.2017 in the matter of Writ Petition (Civil) No. 114 of 2014, Common Cause V/s Union of India & others.
7. The department of Mines & Geology shall ensure that the mining operations shall not commence till the entire compensation levied, if any, for illegal mining, is paid, by the project proponent through the Department of Mines and Geology, in strict compliance of the judgment of the Hon'ble Supreme Court dated 02.08.2017 in the matter of Writ Petition (Civil) No. 114 of 2014, Common Cause V/s Union of India & others.
8. As stated by the PP, the total water requirement for the project shall be limited as mentioned above. Necessary permission for withdrawal of ground water, if required, shall be taken from CGWA.
9. The PP shall invest the amount mentioned above towards annual cost for implementing the Environment Management Plan.
10. The amount of CER as mentioned above shall be spent for socio economic up-liftment activities of the area particularly in the field of education, health, sanitation and other need based social activities in the nearby areas of the mining lease, such as improvement of the infrastructure of government schools etc. and as per the OM dated 01.05.2018 MoEF & CC. This amount should be effectively utilized and reflected in the books of accounts. Relevant report of the same should be made a part of social monitoring and six monthly compliance reports should be submitted to RSPCB, SEIAA and Regional Office of the MoEF & CC.
11. The mining operations shall not intersect groundwater table. In cases of mining of other than river sand mining, below ground water table, prior approval of the Central Ground Water Authority shall be obtained.
12. 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.
13. Occupational health and safety of mine labour shall be given the highest priority.
14. Budgetary provision, as mentioned above for the laborers working in the Mine, for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants; should be made and submitted to RPCB, Jaipur at the time of CTE/CTO. The housing facilities and Group Insurance should be provided for mining labours.
15. Topsoil shall be stacked temporarily at the 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.
16. The project proponent shall ensure that no natural water course / water body is obstructed due to any mining operations.

17. The waste should be dumped at the designated site as per approved Mining Plan on non-mineralized land within lease area or outside lease area, at the land provided by district authority or occupied by the lessee/STP/Quarry license holder. The height of the dump shall be as per the approved mining plan and toe of the dump should have retaining wall.
18. The bench height, width and slope shall be maintained as per the MMR 1960 or the DGMS approval.
19. 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.
20. Drills shall either be operated with dust extractors or equippea with water injections system.
21. As envisaged, plantation shall be raised in an area of 33% of total 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. or outside lease area in consultation with the Gram Panchayat or Forests Department in the coming rainy season.
22. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul roads, loading and unloading points and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the standards prescribed by the MoEF & CC.
23. 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/ RSPCB/ Government approved lab.
24. Blasting operation should be carried out only during the daytime with safe blasting parameters.
25. The project proponent shall take all due care to protect the existing flora and fauna. Utmost precaution shall be taken to conserve wildlife.
26. The PP shall carry out mining activities with open cast method.
27. In the project related to Bajri mining the PP shall follow the Sustainable Sand Mining Guidelines 2016 laid down by the MoEF & CC, GOI. The Bajri sand mining activity is restricted to three meters from ground level or water level whichever is less and the PP shall carry out river sand (Bajri) mining activity manually/ semi mechanized as provided under the Sustainable Sand Mining Management Guidelines, 2016.

GENERAL CONDITIONS

1. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.
2. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
3. The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of Environment,

Government of Rajasthan, Jaipur and this office. A six monthly compliance status report shall be submitted to monitoring agencies.

4. The EC is liable to be rejected, in case it is found that the PP has deliberately concealed and furnished false and misleading information or data which is material to screening or scoping or appraisal or decision on the application for EC.

5. The project authorities shall inform the MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of Environment, Government of Rajasthan, Jaipur and the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

6. Officials from the Department of Environment, Government of Rajasthan, Jaipur/ Regional Office of MoEF, Lucknow, RSPCB who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional Office of MoEF, Lucknow / SEIAA, Department of Environment, Government of Rajasthan, Jaipur / RSPCB.

7. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

8. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental Clearance and copies of clearance letters are available with the Rajasthan State Pollution Control Board and may also be seen on the website of the RSPCB. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF at Lucknow/Department of Ecology and Environment, Government of Rajasthan, Jaipur.

9. The above condition shall be enforced among 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, 2006, along with their amendments and rules.

10. The PP shall obtain prior clearance form forestry and wild Life angle including clearance from standing committee of National Board of Wild Life (if applicable). It is further categorically stated that grant of EC does not necessary imply that Forestry and Wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in anticipation of clearance form Forestry and Wild Life angle shall be entirely at the cost risk of the PP and MOEF/SEIAA shall not be responsible in this regard in any manner.

11. The SEIAA, Rajasthan may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

12. Main haulage road should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt- conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.

13. 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.

14. 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.

15. The ambient noise level should confirm to the standards prescribed under E (P) A Rules, 1986 viz 75 dB (A) during day time and 70 dB (A) during night time.

16. The PP shall submit an environmental statement for the financial year ending 31st March in Form-V as prescribed under the environment (Protection) Rules, 1986, as amended subsequently on or before the 30th day of September every year, to the Rajasthan State Pollution Control Board/SEIAA and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Lucknow Regional offices of MoEF/SEIAA by e-mail as well as hard copy duly signed by competent person of company.

17. Mining Department will ensure that while executing the mining lease, if the mine falls in a cluster, then lease will be executed after EIA/EMP study as well as grant of revised EC for the cluster as applicable.

(Dr. D.N. Pandey)
Member Secretary,
SEIAA, Rajasthan.

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project /Cat. 1(a) B2(16156)/2019-20 Jaipur, Dated:

Copy to following for information and necessary action:

1. Secretary,Ministry of Environment,Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-1 10003.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Sh. R.K. Meena, IAS (Retd.), B-75,Shankar Vihar,50 Feet Gaitore Road, Sawai Gaitor, Jaipur
4. Dr. Anil Kumar Goel IFS (Retd.), Forest Colony, Sector 4, Jawahar Nagar, 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 Pollution Control Board, Jaipur.
6. Sh Rajeev Pareek, Member Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, Environment,Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
9. Director, Department of Mine & Geology, Court Chorha, Udaipur.
10. Sh. Jagbir Singh Manral, ACP, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this Environment Clearance on the website.

M.S. SEIAA (Rajasthan)