Rec. on C.4.21

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 (18488)/2019-20 Jaipur, Dated: 26 MAR 2021

Shri Hemraj Bugaliya
Add.- Bugaliya Krashi Fram, Igyar,
Tehsil- Jayal, Distt.- Nagaur, (Raj.)

Sub:EC for Tangli China Clay & Silica Sand Mining Project, Ref. No. 20201000021329, Lease Area – 2.3514 Hect. Production Capacity 1,41,726.5 TPA (ROM), Khasra No. 60, Near Village- Tangli, Tehsil- Jayal, District- Nagaur, (Raj.) **(Proposal No. 169499)**

This has reference to your application dated 17.09.2020 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 2nd to 4th February, 2021.

2. Brief details of the Project:

1.	Category / Item no.(in Schedule):	1(a) B2
2.	Location of Project	Village:- Tangli, Tehsil - Jayal, District - Nagaur (Raj.) Pillar / Lattude / Longitude A / 27°06'43.85002" / 74°00'44.54761" B / 27°06'44.39013" / 74°00'39.55642" C / 27°06'46.80071" / 74°00'39.89840" D / 27°06'46.90105" / 74°00'40.29711" E / 27°06'50.40050" / 74°00'40.19735" F / 27°06'50.60092" / 74°00'44.19783"
3.	Project Details Khasra & Ref. No. /Production capacity	Mineral- China Clay & Silica Sand Ref. No. 20201000021329, Khasra No. 60 Area–2.3514Hect. Proposed Production Capacity – 141726.5 TPA (ROM),
4.	Project Cost:	Rs. 30 Lac.
5.	Water Requirement & Source	Total water requirement is about 3.5 KLD = 1.0 KLD (Drinking & Domestic Uses) + 1.5 KLD (Plantation) + 1.0 KLD (Dust Suppression).
6.	Fuel & Energy:-	Only diesel will be required to run vehicles for transportation.

<table>
<tr><td>7.</td><td>Environment Management Plan</td><td>Expenditure of EMP Rs 1,50,000/-
<table>
<tr><th>Sl. No.</th><th>Measures</th><th>Exp. Cost in Rs. (Fixed & Recurring Yearly)</th></tr>
<tr><td>1.</td><td>Pollution Control
i) Dust Suppression, Wet Drilling</td><td>80,000/-</td></tr>
<tr><td>2.</td><td>Pollution Monitoring
i) Air pollution
ii) Water pollution</td><td>10,000/-</td></tr>
<tr><td>3.</td><td>Green Belt</td><td>60,000/-</td></tr>
<tr><td colspan="2">Total</td><td>1,50,000</td></tr>
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<tr><td>8.</td><td>Green Belt/ Plantation</td><td>Expenditure of Green Belt Rs 60,000/-
(Total green belt will be the 33% of the Q.L. area 0.774 hact. of the area will be Planted in the 7.5m Barrier zone, Both side of the mine road, and part of own Khatedari land at village Tangli in Khasra No. 60.
"The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc."
The Lessee Shall Comply all Condition as per Office Memorandum 16/01/2020.</td></tr>
<tr><td>9.</td><td>Budgetary Breakup for Labour</td><td>Expenditure of Labour Rs 60,000/-
<table>
<tr><th>Sr. No.</th><th>Facility to be Provided for Laborers</th><th>Exp. Cost in Rs. (Fixed & Recurring Yearly)</th></tr>
<tr><td>1.</td><td>Drinking water facility</td><td>5,000/-</td></tr>
<tr><td>2.</td><td>Health Facility (First aid box, Rest shelter, Medicine & Washroom) & Insurance</td><td>10,000/-</td></tr>
<tr><td>3.</td><td>Education for Labour's children.</td><td>10,000/-</td></tr>
<tr><td>4.</td><td>Safety equipment like Ear plug, Dust mask, hand gloves, Safety Shoes</td><td>5,000/-</td></tr>
<tr><td colspan="2">Total</td><td>30,000/-</td></tr>
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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 4.55th Meeting held on 10.03.2021 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:

SPECIFIC CONDITIONS:

1. **In case the project falls within a distance of 10 Km from the boundary of National Park/ Wildlife Sanctuary, wherein final ESZ Notification has not been notified so far, the EC shall come into effect only after the PP obtains clearance from the Standing Committee of National Board for Wildlife (SCNBWL) as per OM dated 08.08.2019 of MoEF & CC.**
2. 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/ permitted production schedule 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.
3. 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.
4. The PP shall comply with the provisions of the Mines and Minerals (Development and Regulation) Act, 1957 and the rules made thereunder.
5. 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.
6. The PP shall invest the amount mentioned above towards annual cost for implementing the Environment Management Plan.
7. 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.
8. 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.
9. 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.
10. Occupational health and safety of mine labour shall be given the highest priority.
11. 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.

12. 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.
13. The project **Proponent** shall ensure that no natural water course / water body is obstructed due to any mining operations.
14. 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.
15. The bench height, width and slope shall be maintained as per the MMR 1960 or the DGMS approval.
16. 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.
17. Drills shall either be operated with dust extractors or equipped with water injections system.
18. 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.
19. 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.
20. 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.
21. Blasting operation should be carried out only during the daytime with safe blasting parameters.
22. The Project Proponent shall take all due care to protect the existing flora and fauna. Utmost precaution shall be taken to conserve wildlife.
23. The PP shall carry out mining activities with open cast method.
24. 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.

25. The PP shall comply with the guidelines issued by the MoEF & CC/ CPCB/ RSPCB, from time to time, with respect to stone crushing units if installed in the lease area.

Additional conditions recommended in view of OM dated 08.08.2019 of the MoEF & CC (applicable where the project falls within a distance of 10 Km from the boundary of National Park/ Wildlife Sanctuary and outside notified ESZ):

1. The mining activity should be carried out in a manner so that the water regime/system of the sanctuary is not disturbed. The mining activity should not adversely affect any existing water course, water body, catchment etc. The PP shall while carrying out mining activity ensure compliance of the provisions of Air (Prevention and Control of Pollution) Act 1981, Water (Prevention and Control of Pollution) Act 1974 and the Environment (Protection) Act, 1986 so that the wildlife in the area is not adversely affected.
2. The processes like blasting, drilling, excavation, transport and haulage resulting into noise, should be carried out in such an manner so that such activities do not disturb wild animals and birds particularly during sunset to sunrise. The level of noise should be kept within the permissible limits.
3. The mining activity should not create any obstacle in the way of free movement of wildlife and adversely affect wildlife corridors.
4. The mineral waste/ slurry should be dumped only at the designated places only and such waste dumps should be reclaimed in accordance with the conditions of the mining plan/ consent issued by the RSPCB under the Water and Air act.
5. The PP shall cooperate with the concerned DCF, Wildlife in their efforts towards protection and conservation of wildlife in the Sanctuary/ Park.
6. The PP shall ensure that the transporter and labor employed by him should not damage flora and fauna in the ESZ and the Wildlife Sanctuary/ National Park.

Specific Conditions applicable, in the cases of violation in terms of the Notification dated 14.3.2017 and 8.3.2018 and OMs dated 30.5.2018, 4.7.2018 of the MoEF&CC :

1. 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.
2. In case of violation of above undertaking/ affidavit, the ToR/EC shall be liable to be terminated forthwith.
3. 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.

4. 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.

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 mining lease/ LOI forms cluster situation, then such LOI/ mining lease will be executed/ registered only after public hearing has taken place for the entire cluster and there has been cluster EIA/EMP study. The Mining Department will further ensure that revised EC is also obtained by such mining lease/ LOI holder.
18. The Mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restored the land to a condition which is fit for growth of fodder, flora, fauna etc.

(P.K. Upadhyay)
Member Secretary,
SEIAA, Rajasthan.

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project /Cat. 1(a) B2(18488)/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. 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)