

Proceedings of 26th Meeting of the State Level Environment Impact Assessment Authority (SEIAA), Manipur under Chairmanship of Dr. Elangbam Jadu Singh, Chairman, SEIAA, Manipur held on 25th October, 2023 in the Directorate of Environment & Climate Change, Manipur.

List of Members present is at **Annexure**

Agenda:

1. Jiri sand quarrying Lease at Hilghat.
File No. 1/116/2022(EIA)/DoE&CC
PARIVESH proposal No.: SIA/MN/MIN/408450/2022

2. Misc.

At the outset, Chairman of the SEIAA, Manipur after welcoming the Member of SEIAA, Manipur requested the Member Secretary, SEIAA, Manipur to give a brief highlight of the agenda item of the meeting. Accordingly, Member Secretary placed the details of the proceedings and recommendation made on the 28th meeting of State level Expert Appraisal Committee (SEAC), Manipur held on 6th October, 2023 of the said project proposal.

After a thorough discussion, it was resolved to approve the proposed project "Jiri sand quarrying lease at Hilghat, Jiribam" of 1.0 hectare for granting Environmental Clearance with standard stipulated conditions as given in annexure.

As there was no miscellaneous agenda to be taken up, the meeting concluded with a word of thanks from the Chair.



(Dr. Elangbam Jadu Singh)
Chairman, SEIAA, Manipur

Copy to

1. Staff Officer to Chief Secretary, Govt. of Manipur.
2. Addl. Chief Secretary (Forest, Environment and Climate Change), Govt. of Manipur.
3. Chairman, SEAC, Manipur.
4. All Members, SEIAA and SEAC, Manipur.
5. Director (Trade, Commerce & Industries), Govt. of Manipur.



(Dr. T. Brajakumar Singh)
Member Secretary
SEIAA, Manipur

Stipulated conditions:

1. The boundary of the quarry should be demarcated and geo-fenced of the project site properly before commissioning the work. The quarrying of sand outside the boundary is not permitted and on violation of the same, the EC (Environment Clearance) granted will liable to be cancelled.
2. Method of proposed mining should be manual mining only, establishing any form of mechanised quarry for mining is not allowed at the site.
3. Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/Committee.
4. The Project Proponent (PP) shall adhere to the provision of the Manipur Minor Mineral Concession Rules 2012 and its subsequent amendment rules 2018, Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and Rules & Regulations made there under. PP shall stick to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
5. The Project Proponent (PP) should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee.
6. The Project Proponent shall inform the Directorate of Environment and Climate Change, Manipur for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred then mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006.
7. The Project Proponent shall comply to the working parameters of Mining Plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like total excavation, lease area and scope of working (viz. method of mining, overburden & dump management, mineral transportation mode, ultimate depth

of mining etc.) shall not be carried out without prior approval of the Directorate of Environment and Climate Change, Government of Manipur.

8. The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from concerned authority/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved Final Mine Closure Plan shall be submitted within 2 months of the approval of the same from the competent authority to the Directorate of Environment and Climate Change, Manipur and concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
9. The land-use of the mine lease area at various stages of mining period as well as at the end-of-life shall be governed as per the approved Mining Plan. The compliance status shall be submitted half-yearly to the Directorate of Environment and Climate Change and its concerned Regional Office.
10. The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
11. The Project Proponent shall carry out plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The Central Pollution Control Board guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
12. The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan if necessary, shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
13. Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the Ministry of Environment, Forest and Climate Change and its concerned Regional Office and copy to Directorate of Environment and Climate Change.

14. The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board with a copy to Directorate of Environment and Climate Change.
15. The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to Directorate of Environment and Climate Change, Manipur and concerned Regional Office of the Ministry of Environment, Forest and Climate Change.
16. The Project Proponent shall carry out by engaging appropriate consultant, annual replenishment rate study of sand as per prescribed drone method by collecting pre monsoon data from the field to know the quantum of volume of sand deposited/replenished & extracted in the mining lease area. The detailed comparison of both pre-monsoon and post-monsoon elevation data shall be included in the study report. The detailed methodology for finding the rate of replenishment study of sand is laid down in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC, Govt. of India. The finding of the study shall be submitted to SEIAA to assess the actual rate of replenishment of mined out sand in the lease area.
17. In view of likely revision of DSR as per the Ministry guidelines, the mention of this deposit in DSR with final coordinates is to be ensured. The boundary area of the deposit as per the updated DSR defined by geo coordinates based on GPS survey be superimposed on the cadastral map.
18. Any further extension of EC beyond ten year shall be considered only with submission of duly approved District Survey Report and Annual Replenishment Rate Study Report of sand.
19. Any change in the calendar plan, change in production quantity or method of mining shall not be made without prior approval of SEIAA. Mining activity shall adhere to the working parameters of approved mining plan prepared for this project. The detailed production of sand from the lease area of each year shall be submitted in tabular form during submission of compliance report.
20. The Project Proponent shall ensure that **no sand mining is carried out** in the area as specified below:
 - a) During the rainy season.

- b) Within the water channel or stream flow area throughout the year.
 - c) The mining or any ancillary activity shall not in any way disturb the flow pattern of the river water during the non-monsoon period.
 - d) No stream shall be diverted for the propose of sand mining and no natural water course shall be obstructed.
 - e) Sand mining operation shall not affect the existing sources for irrigation/drinking water/industrial purpose.
21. Since the validity period of the approved Mining Plan is ten years, hence the validity of this Environmental Clearance is also for ten years from the date of issue.
22. Physical monitoring from time to time and evaluation of the project by the SEAC, Manipur before submitting the report to the Ministry of Environment, Forest and Climate Change and its concerned Regional Office.
23. The SEIAA, Manipur may revoke or suspend the EC at any stage, if implementation of any of the above conditions is not satisfactory. The SEIAA, Manipur reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.