

Minutes of the 2nd Meeting of State Level Expert Appraisal Committee (SEAC)

[constituted vide S.O. 2590(E) dt.13.6.2023]

Venue : PCCF Conference Room, EF&CC Department.

Date : 9th October, 2023 (Wednesday) at 4:00 pm.

Members present:

1. Pu. R.S. Sinha, Addl. PCCF - Chairman
2. Prof. John Zothanzama,
Deptt. of Biotechnology, MZU - Member
3. Dr. Saitluanga, Dept. of Geology, PUC - Member
4. Pi PC. Lalmuanpuii, Env. Engineer, MPCB - Member
5. Pu. Khanin Buragohain, GM & Block Manager,
Rep. of OIL - Special invitee
6. Pu. C. Laldinkima, Chief Geologist, Rep. of OIL - Special invitee
7. Pu. K.Lalrinpuia, Liaison Officer for OIL - Special invitee
8. Pu. Chandan Kumar, Master Trainer,
SEIAA/SEAC - Invitee
9. Pu. Lalventluanga, Office Secretary - Invitee
10. Pi. Lalnunthari, Office Assistant (SEAC) - Invitee
11. Pi. Lalrammawii Sailo, CF (CC) - Member Secretary

Agenda: Onshore Oil & Gas Exploration, Drilling and Testing at Location MZ-9 under NELP Block MZ-ONN-2004/1 in Hnahthial District (erstwhile Lunglei) in the State of Mizoram.

Presentation was made by the project proponent highlighting the main reasons for selecting the proposed site and provided clarifications on the queries and issues raised in the previous meeting held on dt. 27.9.2023. Aerial video footage of the proposed site depicting the landscape and features of the area was also shown.

The clarifications with supporting documents provided by the project proponent were examined and after a deliberative engagement by all members and invitees, decisions were taken as attached herewith:

Decisions made:

Sl.no	Query raised	Clarification by Project Proponent	Decision taken
1	2	3	4
1.	As per information provided by the project proponent under Municipal waste (domestic and or commercial waste) under Sub No 4.2 of SI No 4 (Appendix –I Form I) is Domestic waste generated by nearly 50 persons working (per shift) at the drilling site for about 6 months for the well will be discharged in septic tanks and soak pits. However, No proposal for disposal of kitchen waste has any mention in the form. <i>The EMP says that 10-20 kg of Organic waste will be generated and disposed in compost pits on daily basis which will be buried during site closure.</i>	Around 120 people (50-60 people on 12 hr basis) will work at wellsite during drilling period and stay in the temporary wellsite camp/bunk house. Hence, about 10-20kg Organic food waste will be generated and to be disposed in compost pits on daily basis which will be buried during site closure.	Accepted and rectification to be made in Sub No 4.2 of SI No 4 (Appendix –I Form I)
2	Project proponent stated that no hazardous waste to be generated under Sub No. 4.3 of SI No 4 (Appendix –I Form I) and SI. No. 9.6 (Common Application Form) regarding production of solid wastes during construction or operation or decommissioning (Hazardous waste (as per hazardous Waste Management Rules). However, it can be understood from the EMP that used oil will be generated from the 4 (four) Generators of 1500 KVA (each), which is hazardous. Residual oil may also contain hazardous components from water-based drilling fluid waste needs to be clarified by applicant on this.	Burnt/lube oil generated from the genset during running period will be collected physically whenever necessary or during maintenance period and disposed safely to the registered vendors.	Accepted and rectification to be made in PARIVESH.

1	2	3	4
3	<p>Regarding “Cut and fill excavations proposed for the project activity” under Sl. No 4.7 (Appendix –I Form I) and “Construction or demolition waste” under Sl No 3.10 of Form 1 Part B there is no mention about this in their application. However, as reported during the presentation to SEAC, It was pointed out by them that for installation of the drilling rig their operation will require cutting and leveling of a hillock which will generate earth spoil. <i>The project proponent may clarify this matter.</i></p>	<p>Minimum cut and fill will be required for installation of the rig package covering an area of about 3 ha of land at Pangzawl drilling location.</p>	<p>Designated spoil banks must be identified for dumping of excess soil and obtain prior permission from the concerned authority i.e., the District Monitoring Committee constituted vide Govt. Notification letter No. G.20015/2/2021-FST/Pt.I dt 10th June, 2022. Preventive measures like toe wall, retaining wall, gabions structure etc., will be taken up along the dumping site/project site in order to prevent damage of aquatic/terrestrial ecosystem as well as vegetation due to rolling down of earth spoil in the vicinity and also to avoid choking of perennial and seasonal streams. Muck Disposal Plan before and during the commencement of cutting and disposal of muck may be got inspected by the District Level Monitoring Committee</p>
4	<p>Under Sub no 4.3.1 of Sl. No 4.3 (Form 1 Part B), “Generation of noise and vibration and mitigation measures” is given as ‘N/A’ whereas</p>	<p>During operation time, noise and vibration will be generated from the DG sets. However,</p>	<p>Agreed and rectification is to be made Sl. No 4.3.3 of Sl. No. 4.3 of Form 1</p>

	noise will be generated from the DG Sts and while drilling is done. <i>This also has to be clarified by the project proponent.</i>	this will be taken care of by using CPCB norms (for example by putting acoustic enclosure, <75 db noise generating engines) etc. Further periodical monitoring of noise of DG sets to be done.	Part B in PARIVESH.
5	Sl. No 4.4 of Form 1 Part B regarding “Whether any probable water pollutants generated and Probable sources of water pollutants”, is shown as ‘N/A’ however drilling fluid may contain water pollutants. <i>This needs clarification and the project proponent may come up with mitigation measures.</i>	Drilling fluid (mud) may contain water pollutants. This fluid will be treated through ETP (RO technology) and will be reused in drilling. Further the excess drilling fluid will be kept in HDPE lined effluent pit.	Accepted and rectification is to be made in Sl. No 4.4 of Form 1 Part B in PARIVESH

Based on the clarification and documents provided by the project proponent and considering the information and justifications/clarifications provided from multiple points of view, the SEAC resolved to recommend the project proposal to SEIAA for grant of Environmental Clearance. Further, the committee resolved that in addition to the general and specific conditions to be imposed in the EC, the following conditions may be further imposed as below:

1. Effluent pit shall be lined with High Density Polyethylene (HDPE) liner and also to make sure that there are no room for leakage, it may be provided with double lining at most susceptible places.
2. Site restoration process should be suitably implemented before the close of the project and ensure that it should be rejuvenated and restored back as close to its original state.
3. Muck Disposal Plan to be prepared before and during the commencement of cutting, levelling and disposal of muck may be got inspected by the District Level Monitoring Committee constituted vide Govt. Notification letter No. G.20015/2/2021-FST/Pt.I dt 10th June, 2022.
4. Air, water, soil and noise quality monitoring should be carried out periodically.
5. Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974

should be obtained from Mizoram Pollution Control Board prior to establishment/operation of the project work.

6. This recommendation is only for Environmental Clearance. Regarding Forest Clearance/Wildlife Clearance, the applicant needs to approach the concerned authority separately.

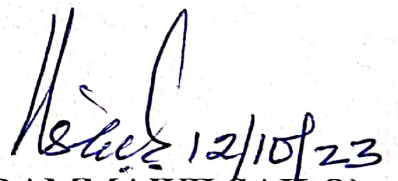
Meeting ended with thanks to the Chair and all the members present.

Sd/- **R.S.Sinha**
APCCF & Chairman, SEAC
Aizawl : : Mizoram

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Copy to:

1. All members of SEAC, Mizoram for information
2. Member Secretary, SEIAA for information.
3. Nodal Officer (FC), Govt. of Mizoram for information.
4. Chief Wildlife Warden, Govt. of Mizoram for information.
5. Conservator of Forest, Southern Division for information.
6. Divisional Forest Division, Lunglei Forest Division for information.


(LALRAMMA WII SAILO)
Conservator of Forests, Central Circle
& Member Secretary, SEAC
Aizawl : : Mizoram