



STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, ASSAM
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, GOVT OF INDIA
BAMUNIMAIDAM, GUWAHATI 781021, ASSAM.

No. SEIAA.1111/2020/EC/11 / 1239

Dated: 30/12/2020

Proposal No. SIA/AS/MIN/45182/2020

To

M/s T. K. Engineering Consortium Pvt. Ltd.
Model Village,
Naharlagun, Papumpare,
Arunachal Pradesh,
Pin - 791110

Sub: - Environment Clearance for Collection of Silt from "Kamalabari/Garukhuti/Bhakat Chapori – Plot – 7" under Majuli (T) Forest Division, Dist. Majuli, Assam by M/s T. K. Engineering Consortium Pvt. Ltd.

This has reference to your application for Prior Environmental Clearance dated 05/10/2019 along with Form-1M, Mining Plan, D.F.O. letter, Google map with G.P.S. Co-ordinates and other relevant documents for Collection of Silt from "Kamalabari/Garukhuti/Bhakat Chapori – Plot – 7" under Majuli (T) Forest Division, Dist. Majuli, Assam.

The quantity of Silt to be collected is:

Silt: 1,23,625 (One Lakh Twenty Three Thousand Six Hundred Twenty Five) cu.m of Silt for 2 (Two) years @ 61,812.5 (Sixty One Thousand Eight Hundred Twelve point Five) cu.m per year.

Total Allotted area: 4.945 Ha (49,450 square meter).

The Silt shall be extracted only from the area of the GPS Co-ordinates shown below as per Mining plan:


<u>Longitude (East)</u>	<u>Latitude (North)</u>
1. E- 94 ⁰ 09'40.10"	N- 26 ⁰ 54'50.45"
2. E- 94 ⁰ 09'38.93"	N- 26 ⁰ 54'43.48"
3. E- 94 ⁰ 09'47.22"	N- 26 ⁰ 54'43.66"
4. E- 94 ⁰ 09'48.39"	N- 26 ⁰ 54'50.40"

The Silt shall be extracted manually/semi mechanized way from "Kamalabari/Garukhuti/Bhakat Chapori – Plot – 7" under Majuli (T) Forest Division, Dist. Majuli, Assam.

The proposal was examined and processed in accordance with EIA Notification 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC), Assam examined the documents of the proposal for Collection of Silt at its meeting held on 05/12/2020. Accordingly, the application was discussed and thoroughly scrutinized by the SEAC and found that the project falls under 1(a) and considered as B2 Category of EIA Notification 2006 and subsequent amendment. The Committee recommended the project to the SEIAA, Assam for issuance of Environmental Clearance.

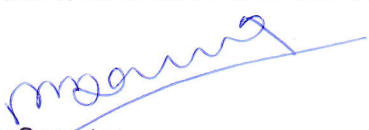
Based on the recommendation of the SEAC, the State Environment Impact Assessment Authority, Assam (SEIAA) considered the proposal in its meeting held on 14/12/2020 and accords Prior Environmental Clearance to the project as mentioned above under the provisions of EIA notification 2006 and its subsequent amendments issued under Environment Protection Act 1986 subject to compliance of following specific and general conditions.

The operational area of mining must be confined to the given 4.945 Ha (49,450 square meter) area bound by the coordinates mentioned above and there shall not be any other area of mining contiguous to this. The project proponent is to submit a declaration in writing to this effect before commencement of the work.


Member Secretary
State Level Environment Impact
Assessment Authority, Assam.
Bamunimaidam, Ghty-21

I. Specific Conditions

1. The legal status of the mining area remains unchanged.
2. The lease holder shall undertake adequate safeguard during Collection of Silt and ensure that due to this activity, the hydro geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
3. Manual/semi-mechanized way and low impact Collection of Silt shall be undertaken.
4. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter as at loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. The status of implementation of measures taken shall be reported to SEIAA and work shall be completed before the start of mining.
5. Quarrying shall be restricted within the area as per GPS Co-ordinates mentioned above.
6. There shall be a stockyard to stock mining material outside the quarry site. Parking shall not be made on public road or in the river bed.
7. The following measures are to be further implemented to reduce air pollution during transportation of mineral:
 - Roads shall be graded to mitigate the dust emission.
 - Over filling of tippers and consequent spillage on the roads shall be avoided.
8. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010 issued by the MoEF, Govt. of India.
9. Mining shall be limited to day time only.
10. No mining shall be carried out in the safety zone of any bridge and / or embankment.
11. No mining shall be carried out in the vicinity of natural / manmade archaeological sites.
12. No wildlife habitat will be disturbed and also aquatic Flora & Fauna of the river will not be disturbed.
13. **Green belt development shall be carried out in 20% of total mine area either on river bank or along road side considering CPCB guidelines with native tree species in the mining area.**
14. User agency shall not make any fresh approach road over any part of the forest land but may use existing forest road only.
15. Transport of materials shall be done by covering the trucks/tractors with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
16. Appropriate mitigation measures shall be taken to prevent any kind of pollution. It shall be ensured that there is no leakage of oil and grease from the vehicles used for transportation.
17. Special Measures shall be adopted to prevent the nearby settlement from the impacts of mining activities.
18. Dispensary facilities for first-aid shall be provided at site to the workers.
19. Occupational health surveillance program of the workers should be undertaken periodically.
20. Conservation measures shall be taken for protection of Flora & Fauna in the core and buffer zone.
21. It shall be ensured that collection of mining materials does not disturb or change the underlying soil characteristic of river bed/basin, where mining is carried out.
22. It shall be ensured that mining does not in any way disturb the turbidity, velocity and flow pattern of the river water.
23. Conservation measures shall be taken for protection of flora & fauna in the core and buffer zone.
24. The fauna nesting area shall not be used for mining.
25. Extraction of mining materials shall be restricted within central three - fourth width of the river.
26. A maximum depth of 2.5 m has been allowed for mining the river bed from un-mined bed level, keeping at least 2.5 m of Sand Layer below the water level of the river as sand bed.



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27. This Environmental Clearance is applicable only subject to receipt of mining permit by the project proponent from the Competent Authority as per AMMC Rule, 2013 and subsequent amendment.
28. Measures for prevention & control of Soil erosion & management of site shall be undertaken.
29. It shall be ensured that excavations of same dose not disturb or changes the underlying soil characteristics of the river bed/basin where mining is carried out.
30. It shall ensure that mining dose not many ways disturbed the turbidity, velocity & slow pattern of the river water.
31. Mining shall be done in Layer of 1 m depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layer.
32. To maintain safety & stability of river bank 10% of the width of the river shall be left intact as no mining Zone.
33. No river/Stream should be diverted for the purpose of Silt mining. No natural water course and/or water resources are obstructed due to mining operation.
34. Use of water pump for mining of Silt is strictly prohibited.
35. No extraction of Silt in landside prone area.
36. Controlled clearance of riparian vegetation to be undertaken.
37. Mining shall not be undertaken in a mining lease located in 200-500 m of bridge, 200 m from the edge of National highway & railway line, 50 m from a reservoir, canal or building, 25 m from the edge of state high way and 10 m from the edge of other roads.
38. Vehicles used for transportation of sand are to be permitted only with of fitness & PUC certificates.
39. Health & safety of workers should be taken care of.
40. Natural springs are not be affected due to mining activities and necessary protection measures are to be undertaken.
41. Any solid waste generated shall be disposed of as per Solid Waste Management Rules 2016. Segregation of bio degradable and non-biodegradable wastes shall be done at site and disposed of as per Solid Waste Management Rules 2016.
42. The critical parameters such as PM₁₀, NO_x, SO₂ in ambient air within the impact Zone shall be monitored periodically and water quality of the River/Streams shall also be monitored (pH, DO, TDS, Fecal Coliform, TSS, etc.) and analysis report shall be submitted to SEIAA, Assam.
43. The Project Proponent shall submit annual replenishment report certified by an authorized agency to SEIAA, Assam annually.

II. General Conditions

1. All necessary statutory clearances shall be obtained from competent authorities in connection with mining operation and copies of the same shall be submitted to SEIAA, Assam.
2. Special measures shall be adopted to prevent nearby settlements from the impacts of mining activities.
3. Maintenance of roads through which transportation of minor minerals is to be undertaken shall be carried out regularly.
4. User agency shall comply with the provisions framed under Assam Minor Mineral concession Rules 2013 and subsequent amendments.
5. The SEIAA Assam may alter/modify the above conditions or stipulate further conditions in the interest of environment protection.
6. Concealing the factual data or 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.
7. The SEIAA, Assam may revoke or suspend the order, if implementation of any of the above conditions is not found satisfactory.
8. SEIAA, Assam will monitor the operation area from time to time and the project proponent shall extend full support for the same.


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9. The above conditions will be enforced inter-alia under the provisions of 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 along with their amendments & rules.
10. The Environmental Clearance is valid for a period of **2 (Two) year** only from the date of issue of this order.
11. **Under Corporate Environment responsibility (CER), appropriate budgetary provision shall be made as per MoEFCC OM F. No. 22-65/2017-IA.III dated 01/05/2018 and 19/06/2018** commensurate with the total value of the work and to be spent for health improvement, education, drinking water facilities, and other socio-economic upliftment in and around the project area (radius of 10 KM from the project site) in consultation with a Committee having representatives from all sections of the population in the nearby villages and with information to the SEIAA on biannual basis.
12. **The project proponent shall submit half yearly compliance reports in respect of the terms & conditions stipulated in this order to the SEIAA, Assam in soft copy (CD) & hard copy on 1st June and 1st Dec each year. The Compliance Report should also include the work done under CER as in 9 above and also under Green Belt development in the project area (to be supported with photographs and other documentary evidences in both cases).**
13. The Divisional Forest Officer, Majuli (T) Forest Division, Dist. Majuli, Assam shall realize the Royalty as per existing rate and **he should ensure strict monitoring on the mining operation to avoid occurrences of irregularities.**


Member Secretary
SEIAA, Assam


Bamunimaidam, Guwahati-21.

Memo No. SEIAA.1111/2020/EC/11 /1239 -A

Copy to:

Dated: 30/12/2020

1. The Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, MoEF, Indira Paryavaran Bhawan, Jorbagh Rd, New Delhi-110003.
2. The Secretary to the Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 Cum Member Secretary, SEIAA, Assam for favour of kind information.
3. The P.C.C.F, HoFF, Govt. of Assam, Panjabari, Guwahati-37 for favour of kind information.
4. The Divisional Forest Officer, Majuli (T) Forest Division, Dist. Majuli, Assam for information & necessary action to ensure that all **Specific Conditions & General Condition** are complied with.
5. The Regional Office, MoEF, Govt. of India, Low-U-sib, Lumbatngen, Near MTC Workshop, Shillong-21 for information.
6. Office Copy.


Member Secretary
SEIAA, Assam
Bamunimaidam, Guwahati-21.