



REGISTERED

State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)

Environmental Planning & Coordination Organization

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No: 2325 / SEIAA /16

Date: 2.7.16

To,

M/s Larsan & Turbo Ltd. ,

Shri T. Ravi Patnayak- Project Manager

TC III Tawar, B- 7th Floor, B -Wing

Post Box no. 979, Manpakkam

Chennai - Tamilnadu - 600001

Sub: Case No. 4056/2015 - Prior Environmental Clearance for **River Sand Mining** (Opencast Manual Method) in an area of 11.320 ha for production capacity of 90560 m³/year (As per SEAC recommendation) at Khasra no. 103 at Village - Sakrigargh, Tehsil -Badwara, District- Katni (M.P) by M/s Larsan & Turbo Ltd. , Shri T. Ravi Patnayak- Project Manager, TC III Tawar, B- 7th Floor, B -Wing, Post Box no. 979, Manpakkam, Chennai - Tamilnadu - 600001

This has reference to your application received in SEIAA office on 12.10.2015 and subsequent letters seeking Prior Environmental Clearance for the above project under the 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 Form - I, Appendix-1, Mining Plan, EMP and the additional clarifications furnished in response to the observations of the State Level Expert Appraisal Committee (SEAC) and State Level Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- II. There is no National Park/Sanctuary within 10 Km radius. The nearest forest boundary is more than 250 m from mining site. There is no human settlement within 500 m from mining site.
- III. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006.
- IV. Based on the information submitted, as at Para (II) above and others the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 339th meeting dtd. 13.06.2016 and decided to accept the recommendations of 27th SEAC meeting dtd. 25.05.2016.

Hence, Prior Environmental Clearance is granted for **River Sand Mining** (Opencast Manual Method) in an area of 11.320 ha for production capacity of 90560 m³/year (As per SEAC recommendation) at Khasra no. 103 at Village - Sakrigargh, Tehsil -Badwara, District- Katni (MP) for the lease period to M/s Larsan & Turbo Ltd. , Shri T. Ravi Patnayak- Project Manager, TC III Tawar, B- 7th Floor, B -Wing, Post Box no. 979, Manpakkam, Chennai - Tamilnadu - 600001 subject to the compliance of the following specific conditions as recommended by SEIAA & SEAC and subsequent standard conditions.

A. Specific Conditions:

1. PP shall not start mining activity before execution of lease agreement.
2. The production capacity shall be limited to the quantity as recommended by SEAC-II.

3. The lease area should be properly demarcated in the presence of the Revenue & Mining Officials and proper boundary stones should be established.
4. No in-stream mining shall be allowed. The local authorities should ensure that the mining activity is confined only in the dry portion of the river where sand is exposed.
5. The depth of the pit shall be as per Approved Mining Plan and not exceed 3m or normal water level prevalent in the lean season whichever is less.
6. The final decision of Hon'ble NGT (CZ) Bhopal and Hon'ble NGT Principal Bench, New Delhi in OA No. 49/2015 (Amarkant Mishra Vs State of MP & others), shall be obligatory on the part of PP.
7. PP should ensure that no access ramps are made for transportation of sand from the opposite bank of the river.
8. No transportation shall be permitted within the village.
9. Alternate transportation route should be decided in consultation with the local Gram Panchayat.
10. The entire lease area should be properly fenced and boundary stones marked at the site.
11. PP will ensure three row plantation towards the village settlement side in the entire length of suitable species three year old to conserve and retain the banks.
12. District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
13. Evacuation of sand should not be allowed through the roads passing through the villages.
14. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
15. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
16. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
17. No diversion of active channel should be allowed for mining.
18. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. Plantation shall be carried out on the banks for stabilization of the banks above high flood level and a log book be maintained.
21. The mining activity shall be done manually.
22. Heavy vehicles shall not be allowed on the banks for loading of sand. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded and in extreme summer season hourly road wetting be done.
23. The sand shall be transported by small trolleys up to the main transport vehicle.
24. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
25. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
26. No in-stream mining shall be allowed.

27. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
28. Established water conveyance channels should not be relocated, straightened, or modified.
29. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
30. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
31. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.

B. Standard Conditions:

- 1 The banks on the curve of the river regime should be stabilized by proper bunds and then proper plantation should be carried out. Collector should monitor so that the sand mining should not disturb the ecology of the region.
- 2 Mining will be carried out as per the approved Mining Plan. In case of any violation of Mining Plan the Environmental Clearance given by SEIAA will stand cancelled.
- 3 It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
- 4 It shall be ensured that mining does not in any way disturb the turbidity, velocity and flow pattern of the river water.
- 5 It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its nesting.
- 6 Precise mining area will be jointly demarcated at site by officials of Mining/Revenue department prior to mining operations for all proposals under consideration.
- 7 Parking of vehicles should not be made on public places.
- 8 Special Measures shall be adopted to prevent the nearby settlements from the impacts of mining activities. Maintenance of roads through which transportation of minor minerals is to be undertaken, shall be carried-out regularly.
- 9 Measures for prevention and control of soil erosion and management of silt shall be undertaken.
- 10 The project proponent will ensure necessary protection measures around the mine pit, waste dumps.
- 11 Plantation programme shall be carried out as per EMP. Self sustenance of the vegetation should be ensured. No tree-felling shall be done in the leased area, except only with the permission from competent authority.
- 12 The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles/fine matters escape during the course of transportation
- 13 Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.
- 14 Persons working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
- 15 Dispensary facilities for first-aid shall be provided at site.
- 16 A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies, as applicable, in addition to the relevant officers of the Government

- 17 The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
- 18 Concealing factual data or submission of false/fabricated data and 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.
- 19 Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Anupam Rajan)
Member Secretary

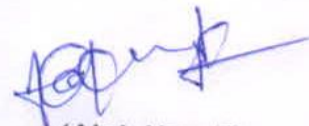
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Endt No. / SEIAA/16

Dated: 2.7.16

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Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Mantralaya, Bhopal.
2. Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-4620 16
3. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
4. Managing Director, MP State Mining Corporation Ltd. Arera, Hills Bhopal
5. Collector, District - Katni (M. P.)
6. Divisional Forest Officer, District - Katni (M. P.)
7. I.A. Division, Monitoring Cell, MoEF & CC, Gol, Paryavaran Bhawan, Jorbagh Road, New Delhi - 110 003
8. Director (S), Regional office of the MOEF, Western Region, Kendriya Paryavaran Bhawan, Link Road No. 3 Ravi Shankar Nagar, Bhopal-462016
9. Director, Geology & Mining, Khanij Bhavan, Arera Hills Bhopal M.P.
10. District Mining Officer, District - Katni (M. P.)
11. DEO, SEIAA for upload website.
12. Guard file


(Alok Nayak)
Officer-in-Charge

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