

F.No.11-88/2013-IA-III
Government of India
Ministry of Environment, Forests and Climate Change
(IA Division)

Room No. 143,
Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj
New Delhi - 110 003.

Dated: September 3, 2014

To
M/s Trimex Heavy Minerals Pvt. Ltd.,
Trimex Towers, No.1, Subbaraya Avenue,
C.P. Ramaswamy Road, Alwarpet,
Chennai - 600 018, Tamil Nadu

Tel: +91 44 24988822/8813,
Fax: +91 44 24986047

Subject: CRZ Clearance for Bhavanapadu Heavy Mineral Sand Project (ML area 1788.00 Ha and capacity 10.0 MTPA) at village Rajapuram & Bhavanapadu, in Santhabommali Mandal and Devunalthada, Suryamani Puram, Komarlathada, Sainooru, URK Puram, Amalapadu & Pallivuru in Vajrapukothuru Mandal, in Santhabomma & Tajrapukothuru Taluka in Srikakulam District in Andhra Pradesh by M/s Trimex Heavy Minerals Pvt. Ltd. -Reg.

This has reference to your letter TRIMEX/BP/EC/Jan/2014/1 dated 02.01.2014 and subsequent letter dated 28.01.2014 seeking prior CRZ Clearance for the above project under Coastal Regulation Zone (CRZ) Notification, 2011. The proposal has been appraised as per prescribed procedure in the light of provisions under Coastal Regulation Zone Notification, 2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, recommendation of State Coastal Zone Management Authority, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee (EAC) constituted by the competent authority in its meeting held on 28th February to 1st March, 2014.

2. It is interalia, noted that the proposal involves extraction of Heavy Mineral Sand from the beach sands of village Rajapuram & Bhavanapadu, in Santhabommali Mandal and Devunalthada, Suryamani Puram, Komarlathada, Sainooru, URK Puram, Amalapadu & Pallivuru in Vajrapukothuru Mandal, in Santhabomma & Tajrapukothuru Taluka in Srikakulam District in Andhra Pradesh over an area of 17.88 sq. kms. i.e. 1788 ha. The latitude is 18° 30' 18.50" N to 18° 39' 49.05" N and the Longitude is 84° 17' 05.84" E to 84° 26' 19.35" E. It is proposed to mine raw Heavy Mineral Sand of about 10.0 Million Tonnes capacity annually (1,525 TPH) with Pre Concentration Plant (PCP) of 1, 525 TPH and Mineral Separation Plant (MSP) of 270 TPH. The projected output

of the plant is 12,21,200 TPA comprising of heavy minerals namely Ilmenite-5,71,440 TPA, Rutile—23,671 TPA, Zircon-20,620 TPA, Garnet-3,05,120 TPA and Sillimanite-3,00,350 TPA. The total water requirement is 1,400m³/hour (900 sea water & 500 river water). The Water drawl permission has been obtained from irrigation department. The estimated cost of the project is Rs.790 crores approx.

3. The EAC observed that the depth of Mining is proposed to be up to 8 meters below the ground level, which deserved observance of necessary clearance and caution. It also observed by the Committee that the Andhra Pradesh Coastal Zone Management Authority (APCZMA) has restricted the mining in the inter-tidal zone, which is where the major mineral deposits should normally lie. However, the APCZMA restricted mining to within 100 mts from HTL towards landward side.

4. Andhra Pradesh Coastal Zone Management Authority (APCZMA) has recommended the project vide letter No. 652/ENV/CZMA/2013 dated 24.01.2014. Ministry has accorded ToR for the project vide letter no. J-11015/90/2009-IA.II (M) dated 25.05.2009.

5. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of CRZ Clearance for the project. Accordingly, the Ministry hereby accords necessary CRZ Clearance for the above project as per the provisions of Coastal Regulation Zone Notification, 2011, subject to strict compliance of the terms and conditions as follows:-

6. SPECIFIC CONDITIONS:

- (i) "Consent to Operate" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of mining work at the site.
- (ii) All the conditions/recommendations as stipulated by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter No. 652/ENV/CZMA/2013 dated 24.01.2014, shall be complied with.
- (iii) The depth of mining in CRZ area should be decided in consultation with APCZMA and with Ground Water Authority. The details shall be submitted to the Ministry before commencing the mining activity at site.
- (iv) Ground water observatory wells shall be within and outside the mining area prior to the mining for ground water monitoring. Project Proponent shall carry out soil analysis, ground water

analysis at the site once in three months and submit the same to the State Pollution Control Board and Regional Office, MoEF.

- (v) Digital processing of the entire mining lease area using remote sensing technique should be carried out regularly once in three years for monitoring land use pattern and physiography of the area and report submitted to the Regional Office, MoEF.
- (vi) No drilling and blasting should be involved.
- (vii) There shall be no ground water drawal in CRZ area.
- (viii) Mining in the CRZ-III area will be done by scraping using manual labor with the help of shovels and spades and there shall be no mechanical mining.
- (ix) There shall be no mining in intertidal zone.
- (x) The balance sand after removal of rare minerals shall be refilled. Site photographs shall be submitted before and after the mining activity to Regional Office of MoEF.
- (xi) To control dust during transportation water sprinklers shall be adopted and also the sand transport vehicles shall be covered with Tarpaulin sheets.
- (xii) TCLP analysis of both mined and tail materials can be done to check the presence of Hazardous materials and report shall be submitted along with the six monthly monitoring reports.
- (xiii) A green belt shall be developed after mining and refilling block by block.
- (xiv) Project proponent shall ensure that no disturbance is caused to the mangroves/fisherfolk.
- (xv) All the commitments made during the public hearing including the budget for corporate social responsibility shall be earmarked for carrying out the activities.
- (xvi) Mineral processing plant shall be located outside CRZ area.
- (xvii) Safety measures shall be taken for workers to prevent radioactive impact on health. All the safety regulations as applicable shall be strictly followed.



(xviii) All prior statutory clearances from Department of Atomic Energy, Indian Bureau of Mines, Central and State agencies as applicable shall be obtained.

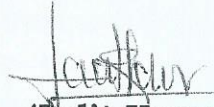
(xix) Sand dunes should not be flattened.

7. GENERAL CONDITIONS:

- (i) Full support shall be extended to the officers of this Ministry/Regional Office at Bengaluru by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (ii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.
- (iii) Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (iv) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (v) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.
- (vi) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (vii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.
- (viii) State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.

8. These stipulations would 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 1994, including the amendments and rules made thereafter.
9. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
10. The project proponent shall 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 CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bengaluru.
11. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
12. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.
13. Any appeal against this 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.
14. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
15. The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
16. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

17. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.


(Lalit Kapur)
Director (IA-III)

Copy to:

1. Chairman, Andhra Pradesh Coastal Zone Management Authority and Special Chief Secretary to Government, E.F.S & T. Department Government of Andhra, Pradesh Secretariat, Hyderabad- 500 002
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Andhra Pradesh Pollution Control Board, Paryarana Bhawan, A-III, Industrial Area, Sanathnagar, Hyderbabad - 500 018, Andhra Pradesh.
4. The CCF, Regional Office, Ministry of Environment & Forests(SZ), Kendriya Sadan, IVth floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560 034.
5. Guard File.
6. Monitoring Cell.

(Lalit Kapur)
Director (IA-III)