

F.No.10-39/2009-IA.III
Government of India
Ministry of Environment & Forests
(IA Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.

Dated: 30th December, 2013

To,
The Chairman,
M/s Mormugao Port Trust,
Administrative Office: Headland Sada,
Mormugao, Goa - 403 804

Contact Person Details:
The Chairman,
M/s Mormugao Port Trust,
Tel: 0832 - 2521100, 2521200,
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Subject: Environmental and CRZ Clearance for modernisation of Berth No. 7 for coal handling at Mormugao Port, Goa by M/s Mormugao Port Trust - Reg.

This has reference to the letter No. CE/PC-3/6204, dated 06.02.2009 of Chief Engineer and subsequent letters dated 26.03.2009, 18.02.2009, 07.12.2009, 02.02.2010, 27.02.2010 and 12.06.2013 seeking Environmental and CRZ Clearances under the Environment Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991/2011 respectively. The proposal has been appraised as per prescribed procedure in the light of provisions under the Coastal Regulation Zone Notification, 1991/2011 and EIA Notification - 2006 and on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP, recommendations of the State Coastal Zone Management Authority and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 20th - 22nd July, 2009 and 19th - 21st September, 2013.

2... It is inter-alia, noted that the proposal involves modernisation of Berth No. 7 for coal handling at Mormugao Port, Goa. The port has six operational berths namely, berth 5A & 6A for coal and general cargo, Berth No.8 for liquid cargo, berth no.9, a dedicated iron ore berth, berths No.10 & 11 which are general cargo berths. The berth No.7 is a shallow draft berth which is now proposed to be developed/modernised. The proposed berth No. 7 would be 300m for handling panamax vessels. Reclamation of about 28,000 m² would be undertaken. The berth would be used for coal handling. The capital dredging involved will be about 50,000 cubic meter. It is proposed to use the dredged material for reclamation. The balance dredged spoil will be dumped at the designated

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dumping ground which is about 10 km from the project site. M/s Mormugao Port Trust informed that the cargo volume at MPT has dropped from 50 million tonnes in 2010-11 to 17.69 million tonnes in 2012-13. This is on account of stoppage of iron ore mining in Goa. The coal is presently handled at the general cargo berths 10 & 11 of the port without mechanized handling facilities. The entire coal handled at berths 10 & 11 is moved by trucks and serve the local industries. There will be a mechanized facility with dry fog and sprinkling systems for effective dust suppression. By shifting this cargo to the berth no.7, the Vasco city will be free from dust pollution being experienced currently due to coal handling at berths 10 & 11. Even with the resumption of iron ore mining at Goa, the maximum cargo that can be expected to be handled at MPT will be around 25 million tonnes. Hence even with the modernization of Berth No.7, the capacity of the port will be substantially lower compared to permitted capacity.


3. The Goa Coastal Zone Management Authority has recommended the project vide letter No. GCZMA/S/13-14/09/360 dated 07.06.2013.

4. The proposal was considered by the EAC in its meeting held on 26th - 28th March, 2008 and finalized additional ToR and ToR was granted vide letter no. F.No.10-158/2007-IA.III dated 04.04.2008.

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 Environmental and CRZ Clearance for the project. Accordingly, the Ministry hereby accords necessary Environmental and CRZ Clearance for the above project as per the provisions of Environmental Impact Assessment Notification - 2006 and Coastal Regulation Zone Notification, 2011, subject to strict compliance of the terms and conditions as follows:

6. **SPECIFIC CONDITIONS:**

- (i) "Consent for Establishment" shall be obtained from Goa Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- (ii) The project proponent shall provide lining for collection of run off from coal stockyard and the leachate shall be treated before disposal.
- (iii) The project proponent shall provide dry fog and sprinkling systems for effective dust suppression.
- (iv) Entire transportation of coal shall be in closed conveyor.
- (v) There shall be no washing of conveyor belt.
- (vi) The project proponent shall provide wind screen of minimum 15 m height fabric HDPE all along the periphery. The height shall be designed taking into account the wind velocity modelling etc. Also explore creepers in consultation with forest department.



- (vii) Coal shall be kept under moist conditions using water sprinklers. Transportation shall be in closed conveyors with water spray.
- (viii) All the conditions stipulated by Goa Coastal Zone Management Authority (GCZMA) vide letter No. GCZMA/S/13-14/09/360 dated 07.06.2013, shall be complied with.
- (ix) Periodical study on shore line changes shall be conducted and mitigation carried out if necessary. The details shall be submitted along with the six monthly monitoring report.
- (x) Oil spills if any shall be properly collected and disposed as per the Rules. Proper Oil Contingency Management Plan shall be put in place.
- (xi) All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster Management Plan shall be strictly complied with.
- (xii) Cargo shall be unloaded directly into hopper from the ship and transported to the stack yards through closed conveyor system only. Inbuilt dust suppression systems shall be provided at hoppers and all the transfer points/storage yards. Cargo shall not be unloaded directly onto the berth. Water meters shall be provided at different locations to record the consumption of water used for dust suppression and daily log shall be maintained.
- (xiii) At least 15 m width of green belt along the periphery and 15 m width ~~along the stackyard shall be undertaken~~ including plantation of mangroves in consultation with Forests Department.
- (xiv) The dredge material shall be reused for low level rising wherever possible and excess shall be dumped into sea at the designated dumping areas identified based on mathematical model studies.
- (xv) To prevent discharge of sewage and other liquid wastes including ballast into marine environment, adequate system for collection, treatment and disposal of liquid wastes must be provided
- (xvi) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that the untreated effluents and solid wastes are not discharged into the water or on the beach; and no effluent or solid waste shall be discharged on the beach.
- (xvii) The quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must conform to the standards laid down by the competent authorities including the



Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.

(xviii) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.

(xix) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.

(xx) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

7. GENERAL CONDITIONS:

- (i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (ii) Full support shall be extended to the officers of this Ministry/ Regional Office at Bangalore 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.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bangalore regarding the implementation of the stipulated conditions.
- (iv) 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.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (vi) 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.
- (vii) 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.

(viii) 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.

(ix) Goa 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 Environmental and CRZ Clearance and copies of clearance letters are available with the Goa 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 Bangalore.

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 Parisad/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 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 Offices of MoEF by e-mail.



(Lalit Kapur)
Director (IA-III)

Copy to:

1. The Secretary (Environment), Department of Science, Technology & Environment, Government of Goa, Panjim, Goa.
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Goa Coastal Zone Management Authority, C/o Department of Science, Technology & Environment, Govt. of Goa. Opp. Saligao Seminary, P.O. Saligao, Bardez, Goa - 403 511.
4. The Chairman, Goa State Pollution Control Board, Dempo Towers, EDC Plaza, Patta, Panaji - 403 001, Goa.
5. The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office (SZ), Kendra Sada 4th Floor E&F Wings, 17th Main Road, II Block, Koranmangala, Bangalore - 560 034.
6. Guard File.
7. Monitoring Cell.

(Lalit Kapur)
Director (IA-III)