

GOVERNMENT OF INDIA
 MINISTRY OF SURFACE TRANSPORT
 (PORTS WING)

Office of the Director General
 8/29
 Dt. 02 SEP 1999
 North & South Division
 P. Trust
 (D.K.)

No. PD/26018/12/98-PDZ(CRZ)

New Delhi, the 19th August, 1999

OFFICE MEMORANDUM

Sub: Proposal for Environmental Clearance for construction of a Multi-user Jetty at New Mangalore Port Trust.

The undersigned is directed to refer to New Mangalore Port Trust's letter No.3/39/AC-CMJ/B&D/DBI/1997-98 dated 15.4.98 and subsequent letters dated 7.11.1998 & 18.5.99 on the subject mentioned above and to say that the proposal has been considered by this Ministry from environmental angle and clearance is hereby accorded subject to strict implementation of the following safeguard measures:-

- (i) All construction design/drawings relating to construction activities must have the approval of the concerned State Government Departments/Agencies. Ground water should not be tapped for construction activities as the drawl of groundwater for industrial use from the CRZ area is a prohibited activity.
- (ii) Adequate provision for all infrastructural facilities such as water supply, fuel, sanitation etc. must be extended for labourers during the construction period in order to avoid damage to the environment.
- (iii) Dredging operations, if any, should be undertaken in consultation with either the Central Water and Power Research Station, Pune or National Institute of Oceanography, Goa to ensure that dredging operations do not cause adverse impact on water quality and marine productivity in the vicinity. Dredging operation as far as possible should be kept to the minimum for avoiding any adverse impact on marine life.
- (iv) Disposal sites for excavated material should be so designed that the revised land use after dumping and changes in the land use pattern do not interfere with the natural drainage.
- (v) To meet any emergency situation, adequate foam containers should be kept ready with supporting fire fighting system and water pipeline.

New file under
 [CRZ]



18/8/99
 11/9/99
 11/9/99

clearance letter collected for P.A.
 not so far received in Ro. 21-

pl open file under
 CRZ Coastal
 category

11/9/99
 17/1/2001
 11/9/99
 11/9/99

- (vi) The staff posted in sensitive areas should be trained in implementation of the Crisis Management Plan already drawn by the authorities. Mock drill(s) for this purpose should be conducted on a regular basis. Provisions of Dock Safety Act and the guidelines issued by the DG, FASLI/CLI, Mumbai for the safety and health of the dock workers should be followed.
- (vii) For development of green buffer including mangroves wherever feasible, the authorities should start growing large nursery of multipurpose species such as Eucalyptus, Casuarina, Dalbergia, Terminalia etc. The norm of about 2000-2500 trees per hectare may be adopted for raising of green belt. Necessary permission may be obtained from the concerned authorities for cutting of trees, if any, for the project.
- (viii) 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 to the satisfaction of Karnataka State Pollution Control Board.
- (ix) Adequate noise control measure must be provided to noise level at various work places within the standard prescribed by the competent authorities. If need be, ear pluggs and ear muffs should be provided to the workers in the New Mangalore Port Trust area.
- (x) The quality of treated effluents, solid wastes and emissions must conform to the standards laid down by the competent authority including Central/State Pollution Control Boards.
- (xi) An Environmental Cell should be set up immediately made operational with adequate laboratory facilities, equipments and a mobile van for collecting air samples. The record and the data should be submitted with proper analysis and corrective measures required, if any, for maintaining the levels within the prescribed limits to the Regional Office of the Ministry of Environment & Forests at Bangalore which shall be monitoring these conditions stipulated for according the Environment approval. The Environment Cell should coordinate and monitor environmental mitigative measures executed in the New Mangalore Port Trust area.
- (xii) Necessary leakage detection devices with early warning system must be provided at strategic locations.
- (xiii) Standby DG Sets must be provided to ensure uninterrupted power supply to the pump house and the fire fighting system.

- (xiv) Third party inspection should be ensured during construction and operational phases with adequate insurance cover. The project authorities should confirm on regular intervals of six months to the Ministry about the implementation of the suggested safeguard measures and the data/report should be opened for inspection by the Team which would be constituted by the Ministry, if found necessary.
- (xv) Full support should be extended to the Regional Office of the Ministry of Environment & Forests at Bangalore during inspection of the project for monitoring purposes by the project proponents by furnishing full details and action plans including action taken report on mitigative measures.
- (xvi) Adequate funding provisions; year-wise and item-wise, must be made for implementation of the above mentioned safeguard measures.
- (xvii) No other chemical product save those mentioned in the Annex III appended to Govt. of India Notification in the Ministry of Environment & Forests, S.O. No. 494(E) dated July 9, 1997 will be allowed to handle/store in the Dock area.
- (xviii) The project authorities would ensure that safety regulations and guidelines issued by Oil Safety Directorate in the Govt. of India, Ministry of Petroleum & Natural Gas are implemented.
- (xix) The approval of the Chief Controller of Explosives (CCO & E) shall be obtained for operational purpose before undertaking any storage/handling activity.

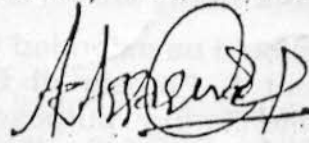
2. There is no objection for handling of POL, but handling of Chemicals would be restricted to the capacity of the existing storage tanks. Any additional creation/lease of storage capacity for chemicals should follow the norms for location of such structures outside the CRZ and get necessary clearances. While developing any coal terminal as per Master Plan, Risk Analysis Study for handling of coal taking into account the proximity of the multi-user jetty should be carried out before the Project for coal handling is processed. The Dispersion Study being carried out by the CWPRS, Pune, should be expedited and submitted to Karnataka Pollution Control Board as per their stipulation.

NPEL to carry out risk analysis

3. In case of any deviation or alteration in the project including the implementation agency, a fresh reference should be made to the Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. The project authorities would be responsible for implementing the above suggested safeguard measures.

4. The Ministry reserves the right to revoke clearance, if the conditions stipulated as above are not implemented to the satisfaction of the Ministry.

5. 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 and the Public Liability (Insurance) Act, 1991 alongwith their amendments and rules.



(A.K. Aggarwal)
Desk Officer (Ports Development)
Tel. No. 371 9456

✓ To

The Chairman,
New Mangalore Port Trust,
Panambore,
New Mangalore - 576 010

Copy to:

- (i) Director (IA), Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
- (ii) Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office, Bangalore.
- (ii) Guard File.



(A.K. AGGARWAL)
Desk Officer (Ports Development)