

EP/12.1/129/KAR.

GOVERNMENT OF INDIA
MINISTRY OF SURFACE TRANSPORT
(PORTS WING)

No.PD/26018/3/99-PDZ(CRZ)

New Delhi, the 4th Jan., 2000

OFFICE MEMORANDUM

Sub: Proposal for Environmental Clearance for construction of a Temporary/Virtual Jetty by M/s. Mangalore Refinery and Petrochemicals Limited (MRPL) at New Mangalore Port Trust (NMPT).

The undersigned is directed to refer to letter No.EXP/LMS/PROJ/MOST/285 dated 11th March, 1999 and subsequent letter dated 27th September, 1999-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 Government Departments/Agencies of the State Government of Karnataka. 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 or any other authorised agency 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.

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- (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 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, Casuarine, 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, Bangalore.
- (ix) Adequate noise control measures must be provided to noise level at various work places within the standard prescribed by the competent authorities. If need be, ear plugs and ear muffs should be provided to the workers in the project area.
- (x) The quality of treated effluents, solid wastes and emissions must conform to the standards laid down by the competent authority including Karnataka State Pollution Control Board, Bangalore.
- (xi) An Environmental Cell should be set up immediately and 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, Ministry of Environment & Forests, Govt. of India, Bangalore. The Environment Cell should coordinate and monitor environmental mitigative measures executed in the project area. The Project Proponent is advised to institutionalise their Environmental Monitoring through some recognised Scientific Institution for the Project.
- (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 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, Ministry of Environment & Forests, Govt. of India, 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) The Environmental Impact Assessment Studies for construction of the above project by M/s. Consulting Engineering Services (India) Limited, New Delhi, should be expedited.

2. 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.

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

4. 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 from time to time.



(D. SIRCAR)

Director (Ports Development)

To

General Manager (Projects),
Mangalore Refinery & Petrochemicals Ltd.,
Kuthethoor, P.O., Via Katipalla, Moodapadav,
Mangalore - 574 149.

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, (Southern Zone), Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, II Block, Koramangala, Bangalore-560 002.
- (iii) Chairman, New Mangalore Port Trust, Mangalore - 575 010.
- (iv) Guard File.



(D. SIRCAR)
Director (Ports Development)