

No.J-16011/57/2001-IA-III
Government of India
Ministry of Environment and Forests
(IA-III Division)

Paryavaran Bhavan,
CGO Complex, Lodhi Road,
New Delhi – 110003.

Dated the 18th March, 2008

Sub: Coastal Regulation Zone clearance for terminal project at Karwar Port by M/s Mysore Mercantile Company Limited – environmental clearance -- regarding.

Reference is invited to the letters No.FEE374ECO2000, dated 6.10.2004 and No.FEE38CRZ2004, dated 1.10.2007 from Department of Forest, Environment and Ecology, Government of Karnataka regarding the subject mentioned above. Subsequent information furnished vide letter No.MMCL/JAN/642/07-08, dated 1.1.2008 from M/s Mysore Mercantile Company Limited have been examined.

2. The project pertains to storage of petroleum products in the Coastal Regulation Zone area. The terminal is located near Karwar port and the site falls under Coastal Regulation Zone-III. The project site is located at latitude 14°47'30N and longitude 74°07'40E. The storage terminal of MMCL is located on a site of 2.0 acres taken on long term lease from Karwar Port Trust in Survey Numbers 36A and 36B in Baithkol village. The storage terminals are designed in accordance with the specifications/codes for atmospheric storage tanks (API650 and IS803). The products to be stored are proposed to be brought by ships to the jetty at Karwar port and then pumped into the storage terminal and later dispatched to the customers through road tankers. The terminal stores and handles petroleum products of class B&C. These are basically flammable in nature and storages are atmospheric tanks. There are 6 tanks available at the terminal for storing petroleum products. The total capacity of the petroleum products to be stored is 12,613. The layout and capacity and other dimensions are as follows:-

Tank	Diameter	Height	Volume (KLD)
1	16	20	4022
2	12	18	2035
3	14	20	3078
4	14	20	3078
5	6	7.5	200
6	6	7.5	200

3. No reclamation and dredging for the project is envisaged. Total water requirement is 570 KLD which will be met through municipal supply. No ecologically sensitive areas are located at the site. The risk analysis for the project has been carried out for the project.

4. The proposal was considered by Expert Appraisal Committee at its meeting held on 29th and 30th November, 2007. The Committee took note of the recommendations of the State Coastal Zone Management Authority, and has recommended the proposal. Accordingly, environmental clearance under the Environment Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991 is hereby accorded subject to strict implementation of the conditions as given below:

(A) Specific Conditions:

- (i) No Objection Certificate from the Karnataka State Pollution Control Board should be obtained before initiating the project.

- (ii) The commitments given by the M/s Mysore Mercantile Company Limited vide their letter dated 1.1.2008 should be strictly complied with.
- (iii) The project proponent should tie up with the Karwar Port for fire fighting and oil spill mitigative measures. The project proponent should provide the details of additional fire fighting systems provided by them including the cost break-up within 3 months from the date of receipt of this letter.
- (iv) A water curtain covering segregating the ship manifold and shore manifold should be provided.
- (v) Leak detection/warning system for each of the products to be handled should be provided at the jetty as well as at other strategic locations. Necessary control measures capable of remote operation to shut down the leakage, if any, should be provided.
- (vi) Appropriate safety devices such as masks should be provided for use by the workers handling the products at the site and their usage by them should be ensured.
- (vii) Project proponent should implement all the recommendations stipulated in the risk assessment report pertaining to the project.
- (viii) The environmental clearance will be restricted to the storage of only those products which are contained in the Coastal Regulation Zone Notification, 1991. No other chemicals/products such as ethyl alcohol, methyl alcohol should be stored in the Coastal Regulation Zone area.
- (ix) Regular monitoring of levels of hydrocarbon in the air environment should be monitored and records maintained. The periodic report (six monthly) to be submitted to the Regional Office of this Ministry at Bangalore should also contain information about the hydrocarbon level so monitored.
- (x) The project proponent should ensure that the implementation of the recommendations of Risk analysis and disaster management plan are carried out. The action plan of implementation should be provided to the Regional Office of the Ministry of Environment and Forests within 6 months from the date of receipt of this letter.

(B) General Conditions:

- (i) A separate Environmental Management Cell with suitably qualified staff to carry put various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.
- (ii) The project will be monitored by this Ministry's Regional Office at Bangalore. Full support should be extended to the officers of this Ministry's Regional Office at Bangalore and the officers of the Central and State Pollution Control Boards by the project proponents during the inspection for monitoring purposes by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.
- (iii) In case of deviation or alteration in the project including the implementing agencies, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. The project proponents shall be responsible for implementing the suggested safeguard measures.
- (iv) This Ministry reserved the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.
- (v) This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.

- (vi) A copy of the clearance letter shall be marked to the concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (vii) State Pollution Control Board/Committee should display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's Office for 30 days.
- (viii) The project proponent should advertise atleast in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Maharashtra Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at <http://www.envfor.nic.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bangalore.
- (ix) The project proponents should inform the Bangalore 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.
- (x) Separate clearance should be obtained by individual project proponents for handling and storage of these chemicals.

5. The above mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989, the Coastal Regulation Zone Notification, 1991 as amended subsequently and the Public Liability Insurance Act, 1991 and the Rules made thereunder from time to time. The project proponents should also ensure that the proposal complies with the provisions of the approved Coastal Zone Management Plan of Karnataka State and the Supreme Court's order dated 18th April, 1996 in the Writ petition No.664 of 1993 to the extent the same are applicable to this proposal.


(Dr. A. Senthil Vel)
Additional Director

To,

Secretary,
Ecology and Environment,
Forest, Ecology and Environment Department,
Government of Karnataka,
Karnataka Government Secretariat,
7th Floor, 4th Stage, Multistoreyed Building,
Dr. B. R. Ambedkar Veedhi, Bangalore -- 560001.

F. No. 11-16/2010-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
(IA-III Division)

Indira Prayavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110 003
Telefax: 011-24695246

Dated: 17th June, 2015

To
The General Manager (Finance & Administration),
Tropicana Liquid Storage (P) Ltd.,
Seabird Road, Baitkhol Karwarport,
Karwar - 581 302.

Subject: CRZ clearance for the construction of Petroleum Products Storage Terminal at Karwar, Karnataka Port by M/s Tropicana Liquid Storage (P) Limited- Reg.

This has reference to your application No: TLSPL/ KWR/CRZ/2009 dated 01.12.2009 forwarded by Karnataka Coastal Zone Management Authority for prior CRZ Clearance for the above project under the Coastal Regulation Zone (CRZ) Notification, 1991. The proposal has been appraised as per prescribed procedure in the light of provisions under the Coastal Regulation Zone Notification, 1991 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, recommendations of Karnataka Coastal Zone Management Authority (KCZMA) and also EIA, EMP and Risk Analysis Reports, the additional clarifications furnished in response to the observations of the Expert Appraisal Committee (EAC) in its meeting held on 19th - 20th April, 2010.

2. It is inter-alia noted that Ministry has earlier accorded clearance to M/s Mysore Mercantile Company vide letter No. J-16011/57/2001-IA-III dated 18.03.2008 for the establishment of 6 storage tanks in Karwar Port at Sy. No. 36A and 36 B of Baitkhol Village, Karwar with permitted storage of 12623 KL. As informed, now M/s Tropicana Liquid Storage (P) Limited has taken over this facility and is proposing to add three more storage tanks of the following dimension and capacity:

- (i) 16 x20 Meters- two (02) storage tanks of 4022KL of Class B Petroleum Products; and
- (ii) 8 x12 Meters- One (01) storage tank of 600 KL of Class C Petroleum Products.

3. The project proponent has informed that existing approved capacity of storage for six tanks is 12613 KL. They have since decommissioned two tanks each of 200 KL. Adding the capacity of the three proposed storages, the total capacity of storage will be 20857 KL in seven tanks. The total cost of the project is Rs. 3.6 crores. As per the KCZMA, the proposed area has been classified as CRZ - III in the approved Karnataka State Coastal Zone Management plan. The proposed site is at a distance of 290 Meters from HTL of Arabian sea and 210 Meters from Baitkhol Creek. KCZMA has discussed the proposal in their meeting



held on 27.11.2009 and recommended the proposal for the clearance of MoEF vide letter No. FEE 38 CRZ 2004 dated 09.02.2010.

4. As informed by the project proponent, Chief Controller of Explosives, Nagpur has approved plan for additional construction of tanks vide letter No. P/HQ/KA/15/2298 (P19215) dated 08.02.2007. Thus, the storage tanks permitted by Chief Controller of Explosives are seven and the capacity is 20857 KL.

5. The Headquarters, Western Naval Command, Shahid Bhagat Singh Road, Mumbai vide their letter No. OP/1919/IP dated 28.02.2015 has conveyed No Objection to the expansion plan of the Project Proponent i.e. the plan of increasing its storage capacity at Karwar Port, Baithkol up to 20857 KL.

6. M/s. Mysore Mercantile Co. Limited (MMCL) vide their letter No. MMCL/SEP/0585/06-07 dated 11.09.2006 has informed that they have sold the project to M/s. Tropicana Liquid Storage Private Limited, #39/3441, Manikkath Cross Road, Ravipuram, Kochi- 682 016 and the land and other infrastructure has been transferred to their name from 31.07.2006. The MMCL has requested the Ministry to issue CRZ clearance in the name of M/s Tropicana Liquid Storage Private Limited.

7. 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 construction of three more storage tanks of dimension and capacity namely (i) 16 X 20 Meters - Two (02); each for storage of 4022 KL of class B petroleum products and (ii) 8 X 12 Meters - One (01); for storage of 600 KL of class C petroleum products. Accordingly, the Ministry hereby accord necessary CRZ Clearance for the above project as per the provisions of CRZ Notification, 2011, subject to strict compliance of the following terms and conditions:

8. SPECIFIC CONDITIONS :

- (i) "Consent for Establishment" shall be obtained from State Pollution Control Board under Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974.
- (ii) All the fire fighting provisions shall be as per standards specified by the Chief Controller of Explosives/ Petroleum & Explosives Safety Organization (PESO) for the storage tanks.
- (iii) Proper oil spillage contingency plan shall be put in place. Dedicated boats fitted with booms/skimies etc. shall be provided to avoid oil spillage. The project proponent should tie up with the Karwar Port for fire fighting and oil spill mitigative measures.
- (iv) The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA (Supervisory Control And Data Automation) system. Any leakage in the pipeline shall be immediately detected by the Computer system and product pumping shall be immediately cut off.
- (v) Appropriate safety devices such as masks should be provided for use by the workers handling the products at the site and their usage by them should be ensured.



- (vi) Project proponent should implement all the recommendations stipulated in the EIA, EMP and Risk Assessment reports pertaining to the project.
- (vii) The clearance will be restricted to the storage of only those products, which are contained in the Coastal Zone Regulation Notification, 2011. No other chemicals/products should be stored in the Coastal Regulation Zone area.
- (viii) No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (ix) 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.
- (x) The project proponent shall take up mangrove plantation/green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.
- (xi) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.
- (xii) All the recommendations/conditions stipulated by Karnataka Coastal Zone Management Authority (KCZMA) from time to time, shall strictly be complied with.

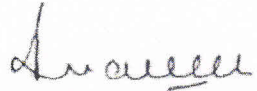
9. GENERAL CONDITIONS:

- (i) Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.
- (ii) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (iii) 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.
- (iv) 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.
- (v) Ministry of Environment, Forest & Climate Change 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.
- (vi) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.

- (vii) 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, Forest & Climate Change.
 - (viii) 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.
 - (ix) 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.
 - (x) Karnataka 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.
10. 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.
11. 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.
12. 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.
13. 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 Karnataka State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven 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.
14. The 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.
15. 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.
16. 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.

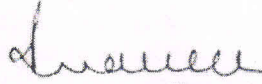
17. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

18. 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.


(Dr. Ranjini Warriar)
Director (IA-III)

Copy to:

1. The Secretary, Department of Forests, Ecology and Environment, Government of Karnataka, Multistoried building, K.G. Road, Bangalore - 560 001
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, Delhi - 110 032
3. The Member Secretary, Karnataka Coastal Zone Management Authority, Department of Ecology and Environment, Karnataka Government Secretariat M. S. Building, Bangalore.
4. The C.C.F., Regional Office (SZ), Ministry of Environment & Forests, Kendriya Sadan, IV Floor, Environment & Forests Wings, Office (SZ), 7th Main Road, II Block, Koramangala,, Bangalore - 462016 Karnataka.
5. The Member Secretary, Karnataka Pollution Control Board-49, Parisara Bhavana, Church Street, Bangalore-01, Karnataka, Bangalore 560001.
6. Guard File.
7. Monitoring File.


(Dr. Ranjini Warriar)
Director (IA-III)