



F. No. J-11011/265/2014- IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110003

E-mail: lk.bokolia@nic.in
Telefax: 011-24695313
Dated: 15th June, 2016

To,

Shri KVK Subba Raju
General Manager VT
M/s East India Petroleum Pvt. Ltd
Vizag terminal
Visakapatnam-5390014
Andhra Pradesh

E-mail: ho@eastindiapectro.com ; Fax No.- 042 6602 5533

Subject: Enhancement of storage tank (from 109274 KI to 1,66,601 KI) by constructing Additional Storage Tanks (57327 KI) at Port Exim Park area, Visakhapatnam, Andhra Pradesh by M/s East India Petroleum Pvt. Ltd.- Environmental Clearance reg.

Ref.: Your online proposal no. IA/AP/IND2/26835/2014 dated 1st October, 2015.

Sir,

This has reference to online proposal no. IA/AP/IND2/26835/2014 dated 1st October, 2015 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public hearing Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that the proposal is for enhancement of storage tank (from 109274 KI to 1,66,601 KI) by constructing Additional Storage Tanks (57327 KI) at Port Exim Park area, Visakhapatnam, Andhra Pradesh by M/s East India Petroleum Pvt. Ltd. The proposed expansion will be within existing terminal area of 50 acres land leased from Visakhapatnam Port Trust and no new land requirement is envisaged. Cost of project is Rs. 66.64 Crore. It is reported that no areas protected under international conventions, national or local legislation for their ecological, landscape, cultural and other related value are located within 20 km from project site.

3.0 The proposed project is an expansion project of the existing terminal with existing storage capacity 70,000 KL of Petroleum Products, 39,274 KL of Crude palm oil & Bio Diesel products and 9000 MT of LPG. After expansion, the combined storage capacity of different Petroleum products and Liquid Chemicals will be of 1, 66,601 KL and 9,000 MT of LPG as per the following table:

ln

Name of Product	Existing Capacity (asper existing EC/CFE)	Proposed Capacity Expansion	Total Capacity after Expansion	Remarks
Petroleum Products and Liquid Chemicals	70,000 kL	57,327 kL	1,27,327 kL	New proposed tanks- 15 no's
Conversion service of tanks of the existing Crude Palm oil & Bio diesel Products to store Petroleum Products & Liquid Chemicals	39,274 kL	-	39,274kL	Existing 8 no. of tanks will be utilized for conversion
Total Capacity after expansion			1,66,601kL	-
LPGStorage	9,000MT	NIL	9,000 MT	No Expansion

The Terminal has facilities for receipt, storage, handling and dispatch of different petroleum products, Bio fuels and LPG. The terminal is capable of receiving /dispatching products through pipeline/tank trucks. No chemical process is involved in the operations of the Terminal. Details of the expansion is as follows:

1. 2 x 23m dia x 20m height MS Storage Tanks for fire water storage for 100% replacement of existing earthen reservoir.
2. The Fire Water Pump house (10m x 41m) will be shifted to new location near to the above MS Tanks.
3. 3 no's x 16 m dia x 15m height MS Storage Tanks (Cone cum Float with IFR) for storage of Petroleum products and Liquid chemicals.
4. 12 no's x 16m dia x 20m height MS Storage Tanks (Cone cum Float with IFR) for storage of Petroleum products and Liquid chemicals.
5. 8 Bay Loading Gantry (40m x 10m) for Tank Truck loading.
6. Pump house (23m x 10m) for loading pumps installation.
7. Process Control Room of size 10m x 10m
8. Administrative Block of size 16m x 8m
9. Maintenance and Stores Building of size 10m x 10m
10. Conversion service of tanks of the existing Crude Palm oil & Bio diesel Products to store Petroleum Products & Liquid Chemicals (Tanks 117 to 124).
11. Two numbers of MS Tanks of diameter 23 m and 20 m height to store Fire Water for 100% replacement of existing Earthen Reservoir for total prevention of water losses. The total capacity of proposed water tanks shall be 16,626 KL which will be of 63% excess than existing reservoirs capacity

4.0 Fresh water requirement from Greater Visakhapatnam Municipal Corporation will increase from 27 m³/day to 29 m³/day after expansion. Wastewater generation will be increased from 7.3 to 9.3 m³/day after expansion and treated in the ETP. Existing ETP will be upgraded by introducing a bio-ETP. Storm water will be passed through oil interceptor. Bottom sludge will be collected in the secured, covered impermeable sludge pit located within terminal. Waste oil and used batteries from the DG sets are sent to authorize recyclers.

5.0 Public Hearing / Public Consultation meeting was conducted 28th August, 2015.

6.0 All the Isolated Storage & Handling of Hazardous Chemicals are listed at S.N. 6(b) under Category 'B' and appraised at the State Level. However, the project proposal is treated under

category 'A' project due to applicability of general condition i.e. location of project is within CPA "Visakhapatnam"

7.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 1st-2nd December, 2014 and 16th-17th March, 2015, 18th – 19th January, 2016 and 30th March-2nd April, 2016 respectively. Project Proponent and the EIA Consultant namely M/s Development Consultants Pvt. Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

8.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i) Adequate buffer zone around the oil tankages, as may be required as per OISD or other statutory requirements.
- ii) Regular online monitoring of VOC and HC in the work zone area in the plant premises should be carried and data be submitted to Ministry's Regional Office at Chennai, CPCB and State Pollution Control Board.
- iii) Total fresh water requirement from Greater Visakhapatnam Municipal Corporation water supply shall not exceed 29 m³/day and prior permission should be obtained from the concerned Authority.
- iv) The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted and ensured that monitoring parameters shall not exceed the prescribed standards.
- v) Wastewater generation shall be treated in the ETP. Treated effluent shall be recycled/ reused for gardening and horticulture purpose. No effluent shall be discharged outside the premises.
- vi) Storm water should pass through efficient oil and grease catchers to trap leaked oil and grease
- vii) Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. shall be followed. Company should ensure no oil spillage occur during loading / unloading of petroleum products.
- viii) The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste shall be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008 and its subsequent amendments.
- ix) Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.

- x) The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- xi) As submitted by the Project proponent suggestions made by MB Lal Committee on safety shall be implemented to the existing and proposed tanks while implementing the projects.
- xii) All storage tanks shall be provided with design features based on applicable OISD standards.
- xiii) Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.
- xiv) Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.
- xv) Bottom oil sludge shall be handled, stored and disposed as per CPCB/ MoEF guidelines.
- xvi) Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- xvii) At least 10 meter wide thick green belt shall be developed on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xviii) The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- xix) All the recommendations mentioned in the EMP/DMP shall be implemented.
- xx) All the commitment made regarding issues raised during the public hearing/ consultation meeting shall be satisfactorily implemented. Adequate budgetary provision to be kept for implementation.
- xxi) Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in and around the project.
- xxii) Provision shall be made for the housing of construction labour within the site, if applicable, with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers,

117

enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

- v. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vi. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- vii. Usage of Personnel Protection Equipments (PPEs) by all employees/ workers shall be ensured.
- viii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xii. As proposed, the company shall earmark sufficient funds towards capital cost and recurring cost/annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- xiv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental 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 AP Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xv. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the

region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

- xvii. The project authorities 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 the project.

9.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.


10.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

11.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Lalit Bokolia)
Additional Director

Copy to :-

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of AP, Hyderabad, A.P.
2. The Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore) Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, AP Pollution Control Board, Paryavaran Bhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad - A.P.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, *Jorbagh Road*, New Delhi.
6. Guard File/Monitoring File/Record File.


(Lalit Bokolia)
Additional Director