



State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Government of India

Ministry of Environment & Forests

A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/CTR-16/09-3205

Dt: 05-03-2011.

Sub: SEIAA - M/s. Indian Oil Corporation Ltd., (MD), Terminal for Storage and marketing of Petroleum Products, Yadamari (V), Chittoor District A.P.-- Environmental Clearance- Issued -Reg.

- I. This has reference to your letter dt. 11.12.2009, lr. recd on 19.05.2010, lr.dt. 10.06.2010, and 23.06.2010, seeking Environmental Clearance for the Terminal for Storage and marketing of Petroleum Products in the name of M/s. Indian Oil Corporation Ltd., (MD), Sy. No: 120,123,124,132,136 to 139, Yadamari (V), Chittoor District, A.P., The proposal has been examined and processed in accordance with EIA Notification, 2006. The plot area is Ac. 44.51. Built up area is Ac 20. The nearest human habitation viz., Perumallapally (V) is located at a distance of 0.2km. The capital cost of the project is Rs. 123.30 Crores. The storage capacities of the Petroleum products, for which Environmental clearance has been considered are as follows:

| S.No. | Product | No. of Tanks | Capacity (KL) of each tank | Total Capacity (KL.) |
|-------|------------------------|--------------|----------------------------|----------------------|
| 1. | MS | 1 | 2984 | 2984 |
| 2. | MS | 2 | 6107 | 12214 |
| 3. | SKO | 1 | 1578 | 1578 |
| 4. | SKO | 1 | 4382 | 4382 |
| 5. | HSD | 4 | 8893 | 35572 |
| 6. | HSD | 1 | 4382 | 4382 |
| 7. | ETHANOL (under ground) | 2 | 200 | 400 |
| 8. | TRANSMIX | 1 | 510 | 510 |

- II. The basic activity of the proposed facility is to receive Petroleum products through Chennai-Bangalore Pipeline. The products are stored in the dedicated tanks and then delivered to customers by road in tank trucks. This is purely storage and distribution facility having no processes whatsoever.

- III. The State Level Expert Appraisal Committee (SEAC) examined the application and other documents in its meetings held on 05.01.2010 & 23.06.2010. The MoE&F, GOI vide Ir dt.07.05.2008 addressed to M/s. HPCL clarified that the storage of crude/ mounded storage of LPG setup complying with the OISD norms are safer, as such the EAC considered such projects under B2 category. Such projects are exempted from the preparation of EIA report and conduct of public hearing. Hence, the project is exempted from process of public consultation. The Committee considered the project and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 27.01.2011 examined the proposal and the recommendations of SEAC. It was decided to issue Environmental Clearance. The SEIAA, A.P hereby accords Environmental Clearance to the project as mentioned at Para no. II under the provisions of the EIA Notification 2006 and it subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following conditions/safeguards.

A. Specific Conditions:

- i. The source of water is bore wells in the premises. No water is required for the normal operation of the facilities. The quantity of water required for utilities is 10 KLD as reported at page no 4 of 17 of Project Brief. The quantity of waste water generated is 3 KLD routed through the septic tank followed by subsurface dispersion trenches.

- ii. Dyke walls are to be provided around the storage tanks. Spillages/ oil water mixture, if any, shall be contained in the dykes and treated in an ETP. The oil is taken to the storage tanks. The treated waste water shall conform to on land for irrigation standards and shall be used for gardening purposes with in the premises. No waste water shall be discharged outside the premises.
- iii. The stand-by D.G. sets shall be provided with adequate stack height as per CPCB norms.
- iv. The project authorities shall strictly comply with the provisions made in Hazardous Wastes (Management, Handling, and transboundary movement) Rules, 2008 and its amendments thereof. Waste oils, used oils, hazardous waste generated from the industry shall be disposed to the recyclers authorized by APPCB.

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 Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996 for handling of Hazardous chemicals. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning the storage. Requisite On-site and Off-site Disaster Management Plans shall be implemented.

- v. Regular AAQM shall be carried out for VOC and HC besides other parameters in ambient air around the plant. The proponent shall comply with the AAQ standards notified by the MoE&F, GOI vide notification dt. 16.11.2009. The location of the monitoring stations shall be decided in consultation with the concerned State Pollution Control Board based on occurrence of maximum GLCs and down wind direction. Additional Stations shall be set up in wind ward and down wind directions along with those in other directions.
- vi. The clearance shall be only for the storage of petroleum products and no processing of any kind shall be carried out at the site.
- vii. The company shall install automatic leak detection system supported hooters or alarm system.
- viii. Occupational health surveillance of workers shall be done on a regular basis and records maintained as per the Factories Act.
- ix. Green belt of width atleast 10m shall be provided along the boundary to mitigate the effect of fugitive emission. In no case, the area of the green belt shall be less than 33% of the total area.
- x. Ambient noise levels must be with in the approved limits of 75 dB(A) during day time and 70 dB(A) during night time as per CPCB norms.
- xi. Regularly monitoring of VOC and HC in the Work Zone Area in the Plant shall be carried and data be submitted to Ministry's Regional Office at Bangalore, CPCB and APPCB. Quarterly monitoring of fugitive emissions shall be carried out as per the guidelines of CPCB.
- xii. All the internal roads shall be of Asphalt to reduce fugitive dust due to the transportation of vehicles.
- xiii. Requisite fire fighting system conforming to OISD standards shall be installed. Adequate firewater retention system shall be provided to prevent firewater mixing into the surface water stream or underground water.
- xiv. Training shall be imparted to all employees on safety and health aspects of Petroleum fuels and chemicals handling.

- xv. Usage of PPEs by all employees/workers shall be ensured.
- xvi. The company shall harvest surface as well as rainwater from the roof tops of the building/s and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve water. The company shall undertake all relevant measures for improving the Socio-economic conditions of the surrounding area.

B. General Conditions:

- i. This order is valid for a period of 5 years.
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.
- iii. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P.
- iv. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA on 1st June and 1st December of each calendar year.
- v. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- vi. Data on ambient air quality (RPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- vii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- viii. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- ix. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- x. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Bangalore.
- xi. The Regional Office of MOE&F located at Bangalore monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- xii. A copy of clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- xiii. State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center and Collector's Office /Tehsildar's Office for 30 days.
- xiv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.
- xv. The SEIAA or any other competent authority may alter/modify the above conditions or

stipulate any further condition in the interest of environment protection.

- xvi. Environmental 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.
- xvii Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
- xviii The company shall undertake eco-development measures including community welfare measures in the project area.
- xix. The proponent shall obtain all other mandatory clearances from respective departments.
- xx. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxi. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxii The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-
MEMBER SECRETARY
SEIAA, A.P.

Sd/-
MEMBER
SEIAA, A.P.

Sd/-
CHAIRMAN,
SEIAA, A.P.

To

Chief Manager (Project),
M/s. Indian Oil Corporation Ltd., (MD),
(Marketing Terminal at Yadamari (V))
G-9, Ali Yavar Jung Marg
Bandra (East), Mumbai - 400051.

//T.C.F.B.O//


JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)