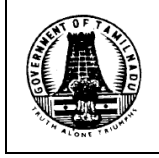


Dr. R.ANNAMALAI,I.F.S.,
DIRECTOR OF ENVIRONMENT
AND MEMBER SECRETARY



STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
Tamilnadu Pollution Control Board Premises,
76, Mount Salai, Guindy,
Chennai- 600 032.

No.SEIAA/TN/EC/6(b)/001/F-98/2008 Dated: 07.10.2008

To

M/s. Bharath Petroleum Corporation Limited,
LPG Filling Plant,
J1 – J6, SIPCOT Industrial Complex,
Gummidipoondi,
Thiruvallur Dist.

Sub : Increasing of LPG storage (from 900 MT to 2700 TM) at bottling plant -
J1 – J6, SIPCOT Industrial Complex, Gummidipoondi, Thiruvallur Dist.
by M/s Bharath Petroleum Corporation Limited - Environmental
Clearance - reg.

Sir,

This has reference to your application No. E&P(S): GUM: LPG: GEN dated 30th May, 2008 to the SEIAA, Tamil Nadu along with Form-1 and other details for increasing the storage capacity of LPG at the Bottling plant seeking environmental clearance under Environment Impact Assessment Notification, 2006. for the above mentioned project and subsequent correspondence vide letter No. E&P(S): GUM: LPG: GEN dated 5th August, 2008. The proposal has been appraised as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application Viz., the Application Form- I, and Risk Analysis report and the additional clarifications furnished in response to the observations of the State Level Expert Appraisal Committee in its meeting held on 17th -19th July 2008.

It is noted interalia that the applicant has already a functioning unit with a capacity of LPG storage 900 MT with above ground storage vessels and the project proposal is for environmental clearance for increasing LPG storage to 2700 MT by installation of additional LPG Mounded storage vessels (3x600 MT) at J1- J6 , SIPCOT Industrial Complex, Gummidipoondi, Thiruvallur District by M/s Bharat Petroleum Corporation Limited ,LPG Filling Plant. The total land area of the project is 48.36 Acres. The total cost of the project is Rs.2697 Lakhs. Water requirement (71 KLD) will be sourced from SIPCOT/Borewells. The wastewater generated from Cylinder washings and pressure testing (5 KLD) will be treated in effluent treatment plant. Domestic effluent (17.5 KLD) will be treated in the sewage treatment plant. The total power requirement of the project will be 64000 KWh which will be sourced

from Tamil Nadu Electricity Board. Two DG sets of 250 KVA and 65 KVA will be installed for emergency purpose. No solid or hazardous waste generation is envisaged.

The project activity is listed at 6 (b) in the Schedule of EIA Notification, 2006 and is of B2 Category. Public Hearing/consultation not required for the project as it is located in a notified industrial estate at Gummidipoondi, Thiruvallur District.

Based on the information submitted by you, the SEAC after due considerations of the relevant documents submitted by the Project Proponent have recommended to the SEIAA, Tamil Nadu to grant the Environmental Clearance to this project subject to certain conditions. The proposal was considered by SEIAA, Tamil Nadu in its meeting held on 24.09.2008 and as the public consultation is not required for the project, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to the strict compliance of the terms and conditions as follows:

A. SPECIFIC CONDITIONS - Environment Management Measures

- i. Domestic effluent shall be treated in the sewage treatment plant as proposed and the treated effluent shall satisfy the prescribed standards by TNPCB.
- ii. Trade effluent generated from the unit shall be treated in the effluent treatment plant and the treated effluent shall satisfy the prescribed standards by TNPCB.
- iii. Treated effluent shall be utilized for gardening/green belt development within the premises.
- iv. 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. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
- v. The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities. Adequate water storage may be provided for fire fighting purpose.
- vi. The additional storage facility shall consist of 3 nos. of 600 MT capacity mounded LPG storage vessels and there shall be no change in the Bulk Storage Capacity and other facilities.
- vii. The company shall install automatic leak detection system supported by hooters or alarm system.

- viii. The project authorities shall provide adequate funds both recurring and non-recurring to implement the Environmental Management Measures stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.
- ix. Regular Ambient Air Quality Monitoring shall be carried out for VOC and HC besides other parameters in ambient air around the Plant. The location and results of existing monitoring stations will be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. Additional Stations shall be set up, if required. It shall be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions.
- x. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factories Act, 1948.
- xi. Proper House keeping and adequate occupational health programme shall be taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be carried out and the records shall be maintained properly for at least 10 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emission and other Hydrocarbons etc.
- xii. The proponent shall undertake periodical health monitoring of the workers with a special reference to the impact on the respiratory and renal system and maintain the document and appropriate monitoring gadget to be deployed to monitor VOC.
- xiii. Prevention/protection measures against any accidental explosion may be ensured.
- xiv. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures 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).
- xv. Regular monitoring of VOC and HC in the Work Zone Area in the Plant shall be carried out and data be submitted to SEIAA, TNPCB. Quarterly monitoring of fugitive emissions shall be carried out as per the Guidelines of CPCB.
- xvi. The Company shall harvest surface as well as rainwater from the rooftops of the buildings 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.
- xvii. The Proponent shall furnish an undertaking that they will abide by the conditions/recommendations mentioned in the EIA/RA report furnished by them.

xviii. Greenbelt shall be developed to mitigate the effect of fugitive emission all around the plant in a minimum 30% plant area in consultation with DFO as per CPCB guidelines.

B. GENERAL CONDITIONS:

- i) It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance.
- ii) The project authorities must strictly adhere to the stipulations made by the Tamil Nadu Pollution Control Board (TNPCB), the State Government and any other statutory body.
- iii) The Environmental Clearance does not relieve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from other statutory and administrative authorities.
- iv) Without detracting from the responsibility of the proponent as stipulated in general condition B iii above, the applicant should obtain necessary permit/permission from the competent Authority notified under the Chennai Metropolitan Water Supply & Sewerage Board, in respect of Chennai city and the villages notified to come under its jurisdiction under the Chennai Metropolitan Area Ground Water (Regulation) Act, 1987 (Act 27 of 1987) / Central Ground Water Authority in respect of other areas of the State for the extraction of ground water/transport of water to the project for domestic/other uses during the construction and occupation stages in respect of residential buildings including multi-storied apartments and construction & operation stages in respect of other industrial, commercial and other projects/activities.
- v) No further expansion or modifications in the plant shall be carried out without following the statutory procedures stipulated in the EIA Notification.
- vi) The date of Financial Closure and final approval of the project by the concerned authorities and the date of commissioning of the project shall be informed to the SEIAA.
- vii) A separate environment management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.
- viii) 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 the public that;-
 - a. The project has been accorded Environmental Clearance.
 - b. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.
 - c. Environmental Clearance may also be seen on the website of the SEIAA.

The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.

- ix) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- x) The SEIAA reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
- xi) 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 Authority Act, 1997.
- xii) 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, the Public Liability Insurance Act, 1991, Hazardous Waste (Management & Handling) Rules, 1989/2003 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989/2000 along with their amendments and rules.

**Member Secretary,
State Level Environment Impact
Assessment Authority,
Tamil Nadu.**

Copy to:-

1. The Secretary to Government, Environment & Forests Dept,
Govt.of Tamil Nadu, Fort St.George, Chennai-600 009.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110 032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ),
Kendriya Sadan, IV floor, E&F wings, 17th Main Road,
Koramangala II Block, Bangalore – 560 034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex, New Delhi 110 003.
6. Stock File.