

F. No. J-11011/270/2015-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

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Dated: 16th December, 2016

To,
Shri Cdr A S Oberoi IN
Vice President
M/s SHV Energy Private Limited
Super Gas House, SDE |Serene Chambers,
8-2-334, Road No. 7,
Banjara Hills,
Hyderabad-500 034

Subject: Proposed LPG Bottling Plant (21000 MTPA) at SIPCOT Industrial Park, Village Thervoy Kandigai, Tehsil Gummidipoondi, District Thiruvallur, Tamil Nadu by M/s SHV Energy Private Limited.– Environmental Clearance reg.

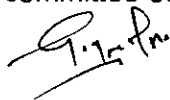
Ref.: Your online proposal no. IA/TN/IND2/31889/2015 dated 28th May, 2016.

Sir,

This has reference to your online proposal no. IA/TN/IND2/31889/2015 dated 28th May, 2016 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with 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 proposal is for Proposed LPG Bottling Plant (21000 MTPA) at SIPCOT Industrial Park, Village Thervoy Kandigai, Tehsil Gummidipoondi, District Thiruvallur, Tamil Nadu by M/s SHV Energy Private Limited. Total plot area is 40468.6 m². Cost of project is Rs. 22.0 Crore. LPG of Capacity 12148.8 MTPA is for single shift operation. The total proposed capacity of 21000 MTPA will be accomplished in two shifts. The proposed facility will receive LPG through road by tankers from Tuticorin. The LPG from tankers is unloaded and stored in two bullet tank of 125 MT and bullet of 50 MT.

3.0 The only major point sources of emissions from this industry are D.G sets. These sources will be fitted with stacks of adequate height so as to disperse the emanating flue gases containing particulate matter, oxides of sulfur and nitrogen without affecting the ground level concentrations of the surrounding environment. Fresh water requirement from SIPCOT water supply will be 10 m³/day. Total effluent generation will be 5.0 m³/day. The committee suggested them to treat domestic wastewater in the mini STP. Industrial effluent should be treated in the ETP. Treated effluent should be recycled/reused. Damaged cylinders will be segregated and stored on site prior to disposal as scrap metal. STP sludge will be used as manure. As a part of ESR activity, the committee suggested the PP to distribute LPG cylinders



to the BPL card holders to the nearby villagers out of 2.5 % of total project cost. PP agreed to the suggestion and estimated about 5000 LPG cylinders for distribution.

4.0 Public hearing was exempted as per section 7 (i), (iii) Stage (3), para (i) (b) of EIA, Notification 2006, being site is located in the Notified Industrial area.

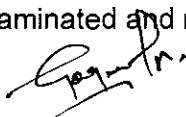
5.0 All the project related to Isolated storage & handling of hazardous chemicals are listed at item no. 6 (b) under category 'B' of the Schedule of EIA Notification and appraised at State level. However, applicability of general condition i.e. 3.4 km from an interstate boundary, proposal is treated as category 'A' project and appraised by Expert Appraisal Committee (Industry-2).

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 12th meetings held during 23rd-24th August, 2016. Project Proponent and the EIA Consultant namely M/s Hubert Enviro Care Systems (P) Ltd and Eco Chem Sales & Services., 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.

7.0 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 LPG Marketing Terminal shall be provided, as may be required as per OISD or other statutory requirements.
- ii. Regularly monitoring of VOC and HC in the work zone area in the plant premises should be carried out and data be submitted to Ministry's Regional Office at Chennai, CPCB and State Pollution Control Board. Quarterly monitoring for fugitive emissions should be carried out as per the guidelines of CPCB and reports submitted to Ministry's Regional Office at Chennai.
- iii. Total fresh water requirement from SIPCOT water supply should not exceed 10 m³/day. No ground water shall be used.
- iv. Domestic sewage should be treated in mini STP and Industrial effluent should be treated in the ETP.
- v. The company should 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 should be created for oil contaminated and non-oil contaminated streams. During



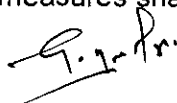
rainy season, the storm water drains should be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond should be conducted.

- vi. 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.
- vii. The company should obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities.
- viii. Emergency Response Plan should be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill should be conducted once in a month.
- ix. Additional safety measures should be taken by using remote operated shut off valve, double block & bleed valve (DBB), impervious dyke wall and un-bonded flexible roof drain pipe.
- x. Unit should carry out safety audit and report submitted to the Ministry and its Regional Office at Chennai within six months.
- xi. LPG transfer line from refinery to the LPG terminal shall be laid underground with adequate Cathodic protection against External Corrosion and the SCADA system.
- xii. Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.
- xiii. Green belt should be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around factory premises should be ensured.
- xiv. The Company should 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.
- xv. All the recommendations mentioned in the EMP should be implemented.
- xvi. As proposed, 5000 cylinder (domestic) shall be distributed under Enterprise Social Commitment (ESR) to the BPL card holders to the nearby villagers for domestic use with consultation of district administration. Proper record to be maintained and monthly report to be given district authority.
- xvii. Provision shall be made for the housing of construction labour within the site 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 (GSPCB), 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 National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- v. 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, 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).
- vi. 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.
- vii. 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.
- 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. The company shall earmark sufficient funds towards capital cost and recurring cost per 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.

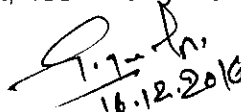


- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- xiv. The project proponent 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 SPCB. 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://moef.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.

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

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

10.0 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.


16.12.2016
(Yogendra Pal Singh)
Joint Director

Copy to:

1. The Principal Secretary, Department of Environment, Ground Floor, Panagal Buildings 1, Jeenis Road, Saidapet, Chennai - 600 015.
2. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1st and 2nd Floor, Handloom Export

- Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 34
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
 4. The Chairman, Tamil Nadu Pollution Control Board, Corporate Office, 76, Anna Salai, Guindy, Chennai - 600 032.
 5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi.
 6. Guard File/Monitoring File/Record File.


16.12.2016
(Yogendra Pal Singh)
Joint Director