

SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

January 2021 – June 2021

For

“LPG Bottling Plant of capacity 21,000 MTPA”

EC OBTAINED Vide File No J-11011/270/2015-IA II (I) Date: 16.12.2016

By

M/s SHV ENERGY PRIVATE LIMITED

At

SIPCOT Industrial Park, Village
Thervoy Kandigai, Taluk Gummidipoondi, District Thiruvallur, Tamil Nadu

Submitted to

MINISTRY OF ENVIRONMENT AND FOREST,
REGIONAL OFFICE,
34, CATHEDRAL GARDEN ROAD,
NUNGAMBAKKAM, CHENNAI – 600 034.

July 2021

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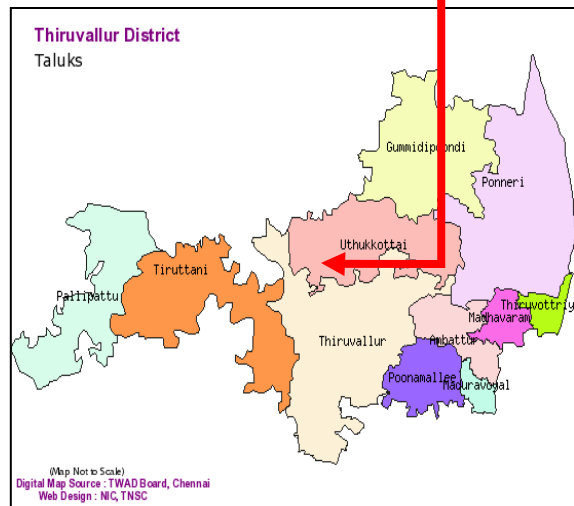
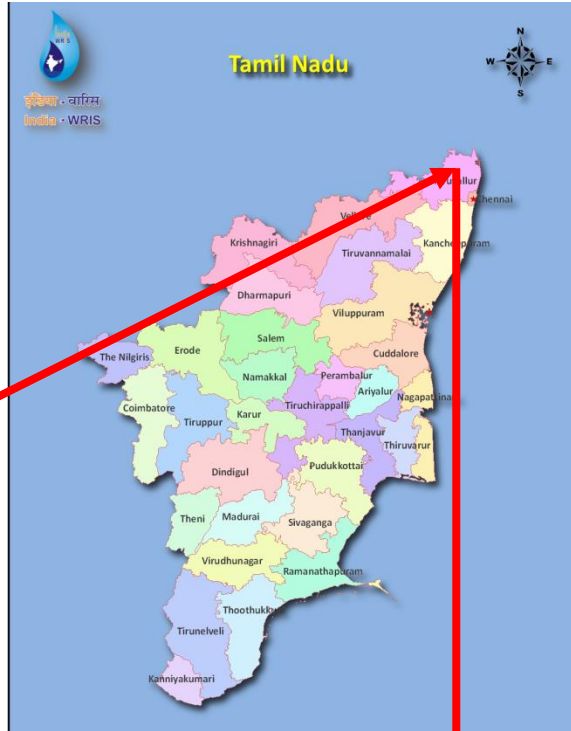
1.0 OPERATION DETAILS

Nature of the Company	“ LPG Bottling Plant of capacity 21,000MTPA”
Company Name	M/s SHV Energy Pvt Ltd.,
Company Location	SIPCOT Industrial Park, Thervoy Kandigai Village, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu.
File No	J-11011/270/2015-IA II (I) Date: 16.12.2016 (Enclosed as Annexure A)
Capacity	21000 MTPA
Total land area	40468.6Sq.m
Power Requirement	315 KVA (Source TNEB) DG-1 x 160 KVA& 1 x 82.5 KVA (back up)
Water Requirement	10 KLD (Source SIPCOT)
No. of employees	30 Persons
Asset Value cost	29.25 Crores

2.0 LOCATION ADDRESS

SHV Energy Private Limited

Plot No: A 11/2, Part A SIPCOT Industrial Park, Thervoy kandigai village, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu – 601202



3.0 SITE PHOTOGRAPH

Current Status



4.0 SIX MONTH ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

S.No	Conditions	Compliance
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.	Not applicable since ours is not LPG marketing Terminal.
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.	Regularly monitoring of VOC and HC in the work zone area in the plant premises are being carried out and Monitoring data is enclosed as Annexure 13 .
iii.	Total fresh water requirement from SIPCOT water supply should not exceed 10m ³ /day. No ground water shall be used.	The total usage of fresh water per day is below the limit of 10 M ³ /day.
iv.	Domestic sewage should be treated in mini STP and Industrial effluent should be treated in the ETP.	ETP & STP reports are attached in Annexure 13 .
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 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.	Condition complied. Rainwater drains are mentioned in attached layout. Site layout is enclosed as Annexure 10 .

S.No	Conditions	Compliance
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.	PESO Approval received. Onsite and offsite disaster management plans have been implemented as per the DISH. Details of DISH acknowledgment is enclosed as Annexure 03
vii.	The company should obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities.	Fire NOC has been obtained and enclosed as Annexure 02.
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 6 month.	Emergency Response Plan has been implemented as per guidelines prepared by OISD, DGMS and Govt. of India. Mock drill has been conducted enclosed as Annexure 08
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.	Additional safety measures are implemented.
x.	Unit should carry out safety audit and report submitted to the Ministry and its Regional Office at Chennai within six months.	External Safety audit completed.
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.	No transfer line from refinery and there is no underground line inside the plant. Hence not applicable
xii.	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.	For the period of 2021 First Half and records are 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.	33% of Greenbelt will be developed in the plot area. Greenbelt marked Photos are attached as Annexure 14.

S.No	Conditions	Compliance
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.	Condition agreed upon.
xv.	All the recommendations mentioned in the EMP should be implemented.	The Annexure for the same is disclosed here as Annexure – 13.
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.	Process already Initiated. Proposal given to district collector office. Collector office is in process of collecting data for distribution of cylinder in a best manner.
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.	Project Completed & Plant is operational. All temporary structures have been removed in a proper manner.

General Conditions:-

S.No	Conditions	Compliance
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.	Accepted and noted. Project Completed & Plant is operational.
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.	The project is completed, and the Plant is operational so no further expansions or modifications shall be carried out.
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.	AAQ monitoring locations are 1. Near Main Gate (up wind) 2. Near ETP (Downwind) Indoor Air Quality 1. At Admin Office Annual predominance of wind is from South West to North East. AAQMS demarcated on site layout Attached as Annexure-.13
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.	Accepted and noted
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).	The noise emissions are monitored through external agency and as per the reports the levels are within the limit. Reports are enclosed as Annexure 13.

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.	Accepted and noted
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.	Trainings given to employees and other workers. Photo of the same is enclosed as Annexure -09
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.	Accepted and noted.
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.	Complied, CSR activities are enclosed as Annexure 07
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied. Seed ball or distribution will be done to SIPCOT office and nearby village school by August 2021.
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.	Laboratory facilities is being outsourced through approved laboratory agencies

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	M/s SHV Energy Private Limited adheres to the condition and will not divert environment management fund 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.	Project completed; Plant is operational from January 2019.
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 reports shall be posted on the website of the company.	Accepted & same is being submitted once in six months.
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.	Submitted for financial year 2020-21. Annexure Enclosed as Annexure - 17

xvi.	<p>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.</p>	Project Completed & Plant is operational.
xvii.	<p>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.</p>	<p>Project Completed & Plant is operational. Acknowledgement copy enclosed as Annexure 16</p>

Shortfalls observed in the half yearly compliance report submitted for the period of July to December 2019

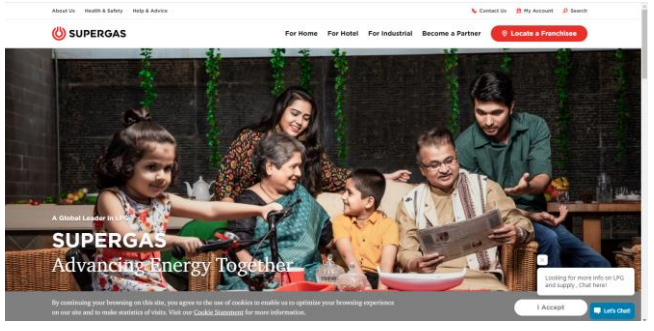
File No: EP/12.1/2016-17/12/TN/0152

MoEF&CC letter no. J-11011/270/2015-IA.II (I)dated 16/12/2016

Your letter no. Nil dated 5/12/2017

S. No	Conditions	Compliance Status
1.	Present status of the project has been mentioned.	Project completed.
2.	Details regarding construction of garland drain all around the project site, establishment of drainage system and guard pond has been submitted (Specific condition no. v).	Layout provided as Annexure-10
3.	Necessary approvals obtained from the Chief Controller of Explosives has not been submitted (Specific Condition no. vi).	PESO approvals under Gas Cylinder Rules and SMPV Rules obtained as Annexure-04
4.	Action plan for the Green belt development inter-alia including area to be covered and selection of species etc. shall be submitted to the Regional Office of the MoEF&CC (Specific condition no. xiii).	<ol style="list-style-type: none"> 1. 550 numbers of avenue trees including Gulmohar, peltophrum, pungai, silver hook Spathodeaa, thabubia, magilam planted and well maintaining. 2. 50 Nos of Species including Guava and Pomegranate planted and well maintaining. 3. Pictures of gardening attached as Annexure-Annexure - 14

5.	Recommendations stipulated in the Environment Management Plan (EMP) with respect to the construction phase and its compliance status shall be submitted to the Regional Office of the MoEF&CC (Specific condition no. xv).	Project completed; Plant is operational from January 2019. Annexure - 16
6.	Infrastructural facilities available at the labour camp have not been mentioned. (Specific condition no. xvii)	As project completed, hence labour camp removed.
7.	Copy of the Consent To Establish (CTE) obtained from the Tamil Nadu Pollution Control Board shall be submitted to the Regional Office of the MoEF&CC (General condition no. i).	Copy of Consent to Establish Provided & now we got Consent to Operate Annexure-01 .
8.	Selection criteria adopted for the Ambient Air Quality (AAQ) monitoring locations and frequency of AAQ monitoring has not been submitted (General condition no.iii).	AAQ monitoring locations are 3. Near Main Gate (up wind) 4. Near ETP (Downwind) Indoor Air Quality 2. At Admin Room Annual predominance of wind is from Southwest to North East. frequency is once in a six-month, report attached as Annexure-13
9.	Commitments made during the public Hearing and its compliance status has not been submitted (General condition no. viii).	Public Hearing is not Conducted, because company come under SIPCOT development area.
10.	Details of the Environment Management Cell (EMC) have not been mentioned (General condition no. xi)	EMC organogram & Detailed roles responsibilities to be given. Copy of the same attached as Annexure-11
11.	Fund earmarked towards the implementation of environmental protection measures has not been submitted (General condition no.xii).	Estimated cost is provided as Annexure-12

12.	Proof regarding sending of environmental clearance letter to the concerned Panchayat/Zila Parisad has not been submitted (General condition no. xiii).	Acknowledgement of EC letter submitted to Concern Panchayat attached as Annexure-06
13.	Company website link wherein uploaded environmental clearance letter and six-monthly compliance report are available have not been mentioned (General condition no. xvii)	Company website link screen shot is attached. https://www.supergas.com/ 
14.	Date of financial closure and final approval of the project by the concerned authorities has not been informed to the Regional Office (General condition no. xvii)	Project completed and Attachments are attached in Annexure -16
15.	Insurance obtained under the provisions of the Public (Insurance) Liability Act, 1991 has not been submitted (para no.10).	Insurance obtained under the provisions of the Public (Insurance) Liability Act is attached as Annexure-5
16.	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. (General condition-15 point)	Submitted for financial year 2020-21

5.0 ENVIRONMENT CLEARANCE SIX MONTHLY REPORT

It is mandatory to submit six-month compliance report to MoEF Regional Office by the proponent. For the purpose of obtaining six-month compliance certificate the environmental monitoring was carried out at site by M/s. Hubert Enviro Care Systems Pvt. Ltd.

5.1 Ambient air quality monitoring

During Plant operation phase particulate matter and gaseous emissions are likely to arise from the site movement of vehicles, operation of DG sets etc., the ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), VOC, Hydrocarbons and Carbon monoxide were monitored at 2 location. The test report of ambient air quality is enclosed as **Annexure-13**

5.2 Ambient Noise level monitoring

During Plant Operation phase the ambient noise level likely to be generated due to machinery operations and movement of vehicles. Different location was selected for monitoring the noise level. The test report of ambient noise recorded is enclosed in **Annexure-13**

5.3 Soil quality monitoring

During Construction phase soil contamination may occur due to oil spills from machinery, during maintenance and operation of DG sets on site. 1 location was selected for monitoring the soil quality. The Soil samples were collected and analysed for nutrients and heavy metals. The test report of soil samples collected and analysed is enclosed as **Annexure-13**

6.0 CONCLUSION

1. The environmental monitoring was carried out at site during the period of Jan 2021 to June 2021.
2. All the conditions stipulated in Environmental Clearance are being complied.