

State Level Environment Impact Assessment Authority, Uttar Pradesh

Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow - 226 010

Phone : 91-522-2300 541, Fax : 91-522-2300 543

E-mail : doeuplko@yahoo.com

Website : www.seiaaup.in

To,

Shri Brijesh Arora,
Managing Director,
A-5, UPSIDC Industrial Estate,
Bhartiagram, Gajraula,
District- Amroha, U.P- 244223

Ref. No.....7.0.24...../Parya/SEAC/4329-4597/2018

Date: 02 March, 2019

Sub: Environmental Clearance for Proposed "2 x 33 MT Propane /LPG Mounded Bullet" at A-5, D-7 to D-10 and part of road no.-19, UPSIDC Industrial Estate, Dhanura, District- Amroha, U.P. M/s Insilco Ltd, Regarding.

Dear Sir,

Please refer to your application/letters 05-06-2018, 04-06-2018, 19-06-2018, 17-11-2018, 10-12-2018 17-12-2018 & 23-01-2019 addressed to the Chairman/Secretary, State Level Environment Impact Assessment Authority (SEIAA) and Director, Directorate of Environment Govt. of UP on the subject as above. The State Level Expert Appraisal Committee considered the matter in its meetings held on dated 23-01-2019 and SEIAA in its meeting dated 13/02/2019.

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for "2 x 33 MT Propane /LPG Mounded Bullet" at A-5, D-7 to D-10 and part of road no.-19, UPSIDC Industrial Estate, Dhanura, District- Amroha, U.P. M/s Insilco Ltd.
2. The terms of reference in the matter were issued through SEIAA letter no. 630/Parya/SEAC/4329/2018, dated 18/01/2019.
3. Total land for the proposed project is 2460 sq.m. which lies in the UPSIDC Industrial Estate, Bhartiagram, Gajaraula.
4. Presently HSD as fuel (Maximum 13 KL/day) are being used for Hot Air Generator. The purpose of converting the existing HSD Installation, for use in Hot Air Generator with Propane/LPG, is to achieve the Huge Saving in fuel cost.
5. LPG/Propane being cheaper and having better calorific value will also improve the end product quality, besides recurring benefit in fuel cost. Besides fuel cost saving, the proposed Propane/LPG installation will also contribute to the environment. The Green Fuel Propane/LPG will help in getting Carbon Credit also, which will be added advantage.
6. One Mound consisting Two (2) LPG/Propane bullets each 12.8m long & 2.8m dia. (approx.), with net LPG storage capacity of 33MT shall be constructed.
7. Salient feature of the project:

S. No.	Description	Details
1.	Plot Area	2460 sq.m
2.	Capacity of the Plant	66 MT (02 X 33 MT) mounded bullets
3.	Cost of the project	6.37 cr
4.	Fire Water Tanks	150 KL
5.	Connected Power Load	400 KW (from existing Plant)
6.	DG Sets	2X 750 KVA (Existing)

8. Mounded storage shall be designed for a maximum outflow of 700 Kgs/Hr.
9. LPG will be Unloaded through LPG "Liquid Transfer – Vapour Recovery" Compressor (1W+1S).
10. Special Unloading Arms having Swivel Joints and Emergency Release Coupling will be used in place of Conventional Hoses.



11. Gas Leak detection system with Alarm indication in HMI/SCADA : The Smart Type, 3-wire Gas Transmitter having Digital display (both local and at panel) with Main and Remote Panel having compatibility with PLC/HMI/SCADA will be provided in fenced area at strategic locations
12. MV water sprinkler system are provided at TLD, over the Manholes of the Bullets, in LPG Compressor shed, Vapouriser Shed and in the Inspection tunnel of each bullet. Although Vapourisers are having various (in built) safety interlocks, still upstream and downstream of the Vapourisers are provided with additional safety by providing ROV, Pressure Transmitter and RTD to ensure the smooth operation.
13. The Proportionate Remote Operated Valves with flameproof positioners are provided at downstream of each PRS to control the LPG Flow as per varying requirement.
14. Power requirement details:
 - Power load: 400 KW (from existing plant)
 - Source of Power Supply: From Existing Plant
 - Power Backup:
 - A total of 2X750 KVA DG sets will be provided as backup power supply
 - Suitable acoustic enclosure of DG sets as per EP rules.
 - Ultra Low Sulphur Diesel will be used in D.G. sets
 - Height of D.G Stack – As per CPCB norms.
15. The project proposal falls under category-6(b) of EIA Notification, 2006 (as amended).

Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC)-held on 23/01/2019 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held on 13/02/2019 decided to grant the Environmental Clearance for proposed project along with subject to the effective implementation of the following conditions:-

1. Statutory compliance:

- a. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- b. The project proponent shall obtain clearance from the National Board for Wildlife , if applicable.
- c. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- d. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee
- e. Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- f. During construction phase, air pollution and solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules , 2016.
- g. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- h. The company should obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities .
- i. Necessary approvals from Chief Controller of Explosives must be obtained before commission of project, if applicable.
- j. The project proponent shall obtain and adhere to statutory clearance under the Coastal



Regulation Zone Notification, 2011, as applicable

2. Air quality monitoring and preservation:

- a. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
- b. 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 stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated .
- c. 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, 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.
- d. During storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.
- e. The project proponent also to ensure trapping/storing of the CO₂ generated, if any, during the process and handling.
- f. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the existing regulations and the guidelines in this regard.
- g. Water sprinkling has to be undertaken on regular basis to control the polluting particles.
- h. Approach road shall be made pucca to minimize generation of suspended dust.

3. Water quality monitoring and preservation :

- a. As already committed by the project proponent, Zero Liquid Discharge shall be ensured (applicable in case of the projects achieving the ZLD).
- b. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

4. Noise monitoring and prevention :

- a. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- b. 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.
- c. 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).

5. Energy Conservation measures:

- a. The energy sources for lighting purposes shall preferably be LED based.

6. Waste management:

- a. Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage / contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed off to the authorized recyclers.

7. Green Belt:

- a. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery , in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

8. Safety, Public hearing and Human health issues:

- a. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and guidelines prepared by OISD, DGMS and Govt. of India . Mock drill should be conducted once in a month. Onsite and off-site Disaster Management Plan shall be implemented.



- b. 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.
- c. 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, if applicable.
- d. High and low-level alarms shall be fitted to plant storage tanks which can detect overfilling. However, proper supervision shall be done every time.
- e. Unit should carry out safety audit and report submitted to the Regional Office.
- f. 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, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- g. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

9. Corporate Environment Responsibility :

- a. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- b. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- c. A separate Environmental Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- d. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- e. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

10. Miscellaneous:

1. Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied.
2. No packing /loading/unloading of LPG cylinders shall be made on road/outside factory premises. Vehicles loaded/unloaded with LPG cylinders shall be parked inside the plant premises only and not on road sides.
3. The proponent shall strictly follow Oil Industry Safety Directorate (OISD) norms /guidelines for installation and design of equipments and operation of the LPG Bottling Plants.
4. Cylinders should be filled with the LPG and should never be over-filled. Cylinders should be checked before and after filling to ensure that they are fit to fill, have been correctly filled, are gas tight and will be trouble-free in service.
5. Cylinder filling operations should be carried out in accordance with a reputable technical standard or code such as ISO 10691 .
6. Road tankers should be equipped to the standard specified in national regulations reputable code. Vehicles should be mobilized during transfer operations and equipped to prevent untimely



- movement. Loading/unloading bays should be protected against impact. Fire-resistant coatings shall be provided to tanks/vessels.
7. Sections of pipeline and storage systems that can be isolated with valves or blinds should be equipped with safety valves to protect against possible damage as liquid LPG expands with increases in temperature.
 8. The norms/guidelines of Oil Industry Safety Directorate (OISD) for installation and design of equipments and operation of the LPG Bottling Plants shall be strictly followed. Safety audit to be carried out and report submitted to the Regional Office.
 9. The project proponent shall conduct a traffic density survey on the approach road to be used for transportation of LPG tankers and LPG cylinders.
 10. Static electricity discharge shall be checked. Steel structures and pipeline should be securely earthed. Road tankers should be bonded to earth before LP Gas transfers commence and remain so until the operation is complete and the hose is disconnected.
 11. The proponent shall strictly comply with Government of India's Gas Cylinder Rules and its amendments.
 12. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
 13. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 14. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 15. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 16. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 17. The project proponent shall inform the Regional Office as well as the Ministry, the date of commencing the land development work and completion of the project.
 18. Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office.
 19. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 20. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 21. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 22. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 23. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 24. The Ministry reserves the right to stipulate additional conditions if found necessary.
 25. The Company in a time bound manner shall implement these conditions.
 26. The Regional Office of this Ministry shall 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.

27. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.

28. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

No construction/operation is to be started without obtaining Prior Environmental Clearance. Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Amroha. In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site is not a part of any no- development zone as required/prescribed/identified under law. In case of the violation this permission shall automatically deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general & specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.



(Ashish Tiwari)
Member Secretary, SEIAA

No...../Parya/SEAC/4329-4597/2018 Dated: As above

Copy with enclosure for information and necessary action to:

1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
2. Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
3. Additional Director, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. District Magistrate Amroha.
5. The Member Secretary, U.P. Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow.
6. Copy to Web Master/ guard file.

(Ashish Tiwari)
Member Secretary, SEIAA