

Date: 31st May, 2019

To,
The Director (S)
Ministry OF Environment, Forest & Climate Change (MoEFCC)
Regional Office (Central Region)
Kendriya Bhawan, 5th Floor, Sector- H,
Aliganj, Lucknow
Uttar Pradesh.

Sub: Submission of Six-monthly Compliance Report Condition of Environmental Clearance (for period of Upto March 2019) 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, UP.

Sir,

In accordance with the condition of Environmental Clearance received from SEIAA, UP, vide letter no 704/Parya/SEAC/4329-4597/2018 dated 02nd March, 2019, We are submitting here with six monthly Compliance report of stipulated condition of Environmental Clearance (In soft copy "as per notification in Gazette of India on 28th November 2018") for the period of Up to March 2019 for above said project.

**Thanking you
For Insilco Limited**



Dr. Madan Gopal Sinha
Factory Manager

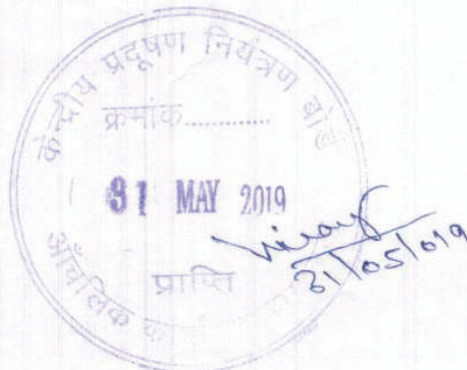


Pradeep Kumar
ESHQ Head

Enclosed: a/a

CC :

1. The Member Secretary, Uttar Pradesh pollution Control Board (UPPCB), TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh 226010.
- ✓ 2. The Regional Directorate, Central Pollution Control Board (CPCB), PICUP Bhawan, 3rd Floor, B Block, Vibhuti Khand, Gomti Nagar, Lucknow, 226010.



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3 The Secretary, SEAC Directorate of Environment
of U.P., Dr. Bhim Rao Ambedkar Park
Parisar, Vineet Khand-1, Gomti Nagar
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**Six-Monthly Environmental Compliance Report of
Stipulated Conditions of Environmental Clearance
(Up to March 2019)**

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, Uttar Pradesh**

EC Letter No:- 704/Parya/SEAC/4329-4597/2018

**Submission to:
Ministry of Environment, Forest & Climate Change,
(MoEFCC)**

**Submitted by:
M/s Insilico Ltd.**

May, 2019

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CHAPTER-1**INTRODUCTION AND PROJECT DESCRIPTION****1.1 INTRODUCTION**

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, UP.

This project has been granted environmental clearance vide letter no. 704/Parya/SEAC/4329-4597/2018 dated 02nd March, 2019 by the SEIAA, UP.

1.2 PROJECT DESCRIPTION**Table 1.1: Brief Description of project**

Sl. No.	Description	Details	Unit
1	Plot Area	2460	SQM
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 (from existing Plant)	KW
6	DG Sets	2 x 750 (Existing)	KVA

1.3 PROJECT LOCATION

The proposed project site is located at A-5, D-7 to D-10 and part of road no.-19, UPSIDC Industrial Estate, Dhanura, District- Amroha, UP.

1.4 PRESENT STATUS

The Project yet to start as DM NOC. is not obtained till date.

1.5 PURPOSE OF THE REPORT

This six-monthly report is being submitted as per the condition stipulated in the Environmental Clearance letter.

Further, the study will envisage the environmental impacts that have generated in the local environment due to the project.

The environmental assessment is being carried out to verify:-

- That the project does not have any adverse environmental impacts in the project area and its surrounding
- Compliance with the conditions stipulated in the Environmental Clearance Letter.
- The Project Management is implementing the environmental mitigation measures as suggested in the approved Form-1, Form-1A, Environmental Management Plan (EMP) and building plans.

- The project proponent is implementing the environmental safeguards in true spirit.
- Any non-conformity in the project with respect to the environmental implication of the project.

CHAPTER-2

COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

Name of Project : 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, UP

Clearance No. : 704/Parya/SEAC/4329-4597/2018dated 02nd March, 2019

Period of compliance Report : Up to March 2019.

1. STATUTORY COMPLIANCE:

S. No.	Conditions of Environmental Clearance	Reply
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.	Not Applicable as the proposed project is in Industrial land use.
b.	The project proponent shall obtain clearance from the National Board for Wildlife, it applicable.	Not 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)	Not applicable.
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.	Applied for Consent to Established (CTE) on Dt. 01/06/2018. CTE is at MS level
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.	Hazardous Waste Authorization is available & valid till 06/06/2023. Copy of the same is attached as Annexure 2.
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.	Noted.
g.	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amend time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Noted. Same shall be taken care of.

h.	The company should obtain all requisite clearance for fire safety and explosives should comply with the stipulation made by the respective authorities.	Complied. As PESO approval and Fire NOC have been obtained and attached as Annexure 3 & 4.
i.	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project, if applicable.	Complied. As PESO Approval has been obtained.
j.	The project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2011, as applicable.	Not Applicable.

2. Air quality monitoring and preservation:

S. No.	Conditions of Environmental Clearance	Reply
a.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be complied with.	Noted.
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 station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	This has been submitted with EIA report. Regular Air monitoring report will be submitted every six monthly report.
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.	This has been submitted with EIA report. Regular VOC and HC monitoring report will be submitted every six monthly report.
d.	During storage and handling, the fugitive emission of methane, if any, shall be monitored using infra-red camera/ appropriate technology.	Noted.
e.	The project proponent also to ensure trapping/ storing of the CO ₂ generated, if any, during the process and handling.	Noted.
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.	Noted.
g.	Water sprinkling has to be undertaken on regular basis to control the polluting particles.	Water sprinkling will be done at regular basis during construction phase.
h.	Approach road shall be made pucca to minimize generation of suspended dust.	Existing Approach road is pucca in nature.

3. Water quality monitoring and preservation:

S. No.	Conditions of Environmental Clearance	Reply
a.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured (applicable in case of the projects achieving the ZLD).	Zero liquid discharge shall be ensured only for "2 x 33 MT Propane /LPG Mounded Bullet" Area.

b.	The Company shall harvest rainwater from the roof tops of the buildings and storm waters drains to recharge the ground water and utilize the same for different industrial operations within the plant.	RWH is not allowed in the project premises. The copy of CGWA letter has already been submitted and copy of the same is enclosed as Annexure.5
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4. Noise monitoring and preservation:

S. No.	Conditions of Environmental Clearance	Reply
a.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Acoustic enclosures will be provided 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.	Complied, Monitoring Report Attached as Annexure- 6
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).	Complied, Monitoring Report Attached as Annexure-6

5. Energy Conservation measures:

S. No.	Conditions of Environmental Clearance	Reply
a.	The energy sources for lighting purposes shall preferably be LED based.	LED lights will be provided.

6. Water management:

S. No.	Conditions of Environmental Clearance	Reply
a.	Oil spillage preservation 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.	Spill Control Kit will be provided. Hazardous Waste Authorization is valid till 06/06/2023.

7. Green Belt:

S. No.	Conditions of Environmental Clearance	Reply
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.	Noted.

8. Safety, Public hearing and Human health issues:

S. No.	Conditions of Environmental Clearance	Reply
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.	Noted. To be complied after Installation of LPG Bullets.
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.	Noted. To be complied after Installation of LPG Bullets.
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.	Noted. To be complied During Installation of LPG Bullets.
d.	High and low level alarms shall be fitted to plant storage tank which can detect overfilling. However, proper supervision shall be done every time.	Noted. To be complied During Installation of LPG Bullets.
e.	Unit should carry out safety audit and report submitted to the Regional Office.	Noted. To be complied after Installation of LPG Bullets.
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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Noted. To be complied during Installation of LPG Bullets.
g.	Occupational health surveillance of the workers shall be done on a regular basis and records MAINTAINED AS PER THE Factories Act.	Noted.

9. Corporate Environment Responsibility:

S. No.	Conditions of Environmental Clearance	Reply
a.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted.

b.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standards 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 condition 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.	Noted.
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 to the head of the organization.	Noted.
d.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be dully approved by competent authority. The Year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be delivered 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.	Noted.
e.	Self environmental audit shall be conducted annually. Every three year third party environmental audit shall be carried out.	Noted.

10. Miscellaneous:

S. No.	Conditions of Environmental Clearance	Reply
1.	Directions/ suggestions given during public hearing and commitment made by the project proponent should be strictly complied.	Public hearing is exempted as per EIA notification 2006.
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.	Noted same shall be strictly followed.
3.	The proponent shall strictly follow Oil Industry Safety Directorate (OISD) norms/guidelines for installation and design of equipment's and operation of the LPG Bottling Plants.	Noted.
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.	Not Applicable.
5.	Cylinder filling operations should be carried out in accordance with a reputable technical standard or code such as ISO 10691.	Not Applicable.

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.	The same shall be taken care of.
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.	The same shall be taken care of.
8.	The norms/guidelines of OIL Industry Safety Directorates (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.	Noted.
9.	The project proponent shall conduct a traffic density on the approach road to be used for transportation of LPG tankers and LPG cylinders.	Noted.
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.	Noted. To be implemented during Installation of LPG Bullets
11.	The proponent shall strictly comply with Government of India's Gas Cylinder Rules and its amendments.	Noted.
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.	Done. We published in Hindi News Paper- Amar Ujala & Danik Jagran on dt. 9th March, 2019. Copy attached in Annexure-7
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.	Done. The Copy of Environment Clearance is sent on Dt. 5th April, 2019 to all the concerned dept.
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.	The same shall be taken care of.
15.	The project proponent shall submit six-monthly reports on the status of compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	The same shall be taken care of.

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.	Noted.
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.	Noted.
18.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional office.	Noted.
19.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted.
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.	Noted.
21.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Noted.
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.	Noted.
23.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
24.	The Ministry reserves the right to stipulate additional conditions if found necessary.	Noted.
25.	The Company in a time bound manner shall implement these conditions.	Noted.
26.	The Regional Office of his 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.	Noted.
27.	The above conditions shall be enforced, inter-alia under the provision of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and the Public Liability insurance Act, 1991 along with their amendments and Rules.	Noted.
28.	Any appeal against this EC shall lie with National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

CHAPTER-3**DETAILS OF ENVIRONMENTAL MONITORING****3.1 AMBIENT AIR QUALITY MONITORING****3.1.1 Ambient Air Quality Monitoring Stations**

Ambient air quality monitoring has been carried out at one location, at the project site in the month of May 2019, to assess the ambient air quality of Project Site. This will enable to have an analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The locations of the ambient air quality monitoring stations are given in **Table 3.1**.

Table 3.1 Details of Ambient Air Quality Monitoring Stations

S. No.	Location Code	Location Name/ Description	Environmental Setting
1.	AAQ-1	Project Site	Industrial

3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 (PM2.5)
- Particulate Matter 10 (PM10)
- Sulphur Dioxide (SO₂)
- Oxide of Nitrogen (NO_x)
- Carbon Monoxide (CO)
- Ozone (as O₃)
- Lead (Pb)
- Ammonia (NH₃)
- Benzene (C₆H₆)
- Benzo (a) Pyrene
- Arsenic (As)
- Nickel (Ni)

The duration of sampling of PM_{2.5}, PM₁₀, SO₂, NO_x, PB, NH₃, C₆H₆, AS and Benzo(a)Pyrene was 24 hourly continuous sampling per day. The Sampling of CO was done 1 hours while Ozone was sampled for 8 hours duration as per National Ambient Air Quality Standards.

The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring and minimum detectable levels are given in Table 3.2.

Fine Particulate Sampler APM 550 instruments have been used for monitoring Particulate Matter 2.5 (PM_{2.5} i.e. <2.5 microns), and Respirable Dust Sampler APM 450 was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO₂, and NO_x. Bladder and Aspirator bags were used for collection Carbon monoxide samples. Non-Dispersive Infrared Absorption Method (NDIR) techniques have been used for the estimation of CO. Gas

Chromatography techniques have been used for the estimation of Benzo (a)Pyrene and Benzene.

Table 3.2: Techniques used for Ambient Air Quality Monitoring

S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter 2.5	Fine Particulate Sampler APM 550, Gravimetric Method	IRDH/SOP/AAQM/01
2	Particulate Matter 10	Respirable Dust Sampler APM 450, with cyclone separator, Gravimetric Method	IS-5182 (Part-23)
3	Sulphur dioxide	Modified West and Gaeke	IS-5182 (Part- II)
4	Oxide of Nitrogen	Jacob & Hochheiser	IS-5182 (Part-VI)
5	Carbon Monoxide	Gas Chromatography	IRDH/SOP/AAQM/08
6	Ozone (as O ₃)	Chemical Method (Colorimetric)	IS:5182(Part-9)
7	Lead (Pb)	Atomic Absorption Direct Aspiration Method	IS:5182(Part-22)
8	Ammonia (NH ₃)	Indophenol Method (Colorimetric)	SOP:IRDH/SOP/AAQM/09
9	Benzene (C ₆ H ₆)	Gas Chromatography	IS:5182(Part-11)
10	Benzo alpha Pyrene	Gas Chromatography	IS:5182(Part-12)
11	Arsenic (As)	Atomic Absorption through Hydride Generator	SOP:IRDH/SOP/AAQM/06
12	Nickel (Ni)	Atomic Absorption direct Aspiration method	SOP:IRDH/SOP/AAQM/07

3.1.3 Ambient Air Quality Monitoring Results

The detailed on-site monitoring results of PM 2.5, PM10, SO₂, NO₂, CO, O₃, PB, NH₃, C₆H₆, AS, Ni, and Benzo (a)Pyrene are presented in **Table 3.3**.

Table 3.3: Ambient Air Quality Monitoring Results

S. No	Parameter	Method	Results	Unit	Requirement (CPCB limits) [#]
1.	Particulate Matter as PM _{2.5}	IRDH/SOP/AAQM/01	71.0	µg/m ³	60
2.	Particulate Matter as PM ₁₀	IS 5182 P- 23 (2006)	154.0	µg/m ³	100
3.	Sulphur dioxide as SO ₂	IS 5182 P-02 (2001)	10.0	µg/m ³	80
4.	Nitrogen dioxide as NO ₂	IS 5182 P-06 (2006)	19.0	µg/m ³	80
5.	Carbon monoxide as CO	IRDH/SOP/AAQM/08	0.89	mg/m ³	4.0
6.	Ozone (as O ₃)	IS:5182(Part-9)	18.0	µg/m ³	100 (8 Hourly)
7.	Lead (Pb)	IS:5182(Part-22)	<0.1	µg/m ³	1
8.	Ammonia (NH ₃)	SOP:IRDH/SOP/AAQM/09	14.0	µg/m ³	400
9.	Benzene (C ₆ H ₆)*	IS:5182(Part-11)	<1.0	µg/m ³	5
10.	Benzo alpha Pyrene	IS:5182(Part-12)	<1.0	ng/m ³	1
11.	Arsenic (As)	SOP: IRDH/SOP/ AAQM/06	<1.0	ng/m ³	6
12.	Nickel (Ni)	SOP: IRDH/SOP/ AAQM/07	<1.0	ng/m ³	20

3.1.4 Discussion on Ambient Air Quality in the Study Area

The levels of PM10 and PM2.5 at the project site were found above than permissible limit of 100 µg/m³ and 60 µg/m³ respectively (for residential, rural and other areas as stipulated in the National Ambient Air Quality Standards). Other parameters were observed within the corresponding stipulated limits at monitoring location.

3.2 AMBIENT NOISE MONITORING

3.2.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site & project boundary due to various construction allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at the project site in the month of May, 2019, site as given in **Table 3.4**.

Table 3.4: Details of Ambient Noise Monitoring Stations

S. No.	Location Code	Location Name/ Description	Present Landuse
1.	ANQ	Project site	Industrial

3.2.2 Methodology of Noise Monitoring

Noise levels were measured using integrated sound level meter manufactured by Quest Technologies. The integrating sound level meter is an integrating/ logging type with Octave filter attachment with frequency range of 31.5 to 16000 Hz. This instrument is capable of measuring the Sound Pressure Level (SPL), Leq and octave band frequency analysis. Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 0030 hrs to 0030 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Lday (Ld), Lnight (Ln) and Ldn values were computed using corresponding hourly Leq. Monitoring was carried out at 'A' response and fast mode.

3.2.3 Ambient Noise Monitoring Results

The locations wise ambient noise monitoring result are summarized in **Table 3.5**. The location-wise variation of noise levels are graphically presented in **Figure 3.2**.

Table 3.5: Ambient Noise Monitoring Results

Sr. No.	Test Locations	Day Time - dB(A)		Night Time - dB(A)	
		Results	Limits as per CPCB guideline	Results	Limits as per CPCB guideline
1	Project Site	54.1	75	42.2	70

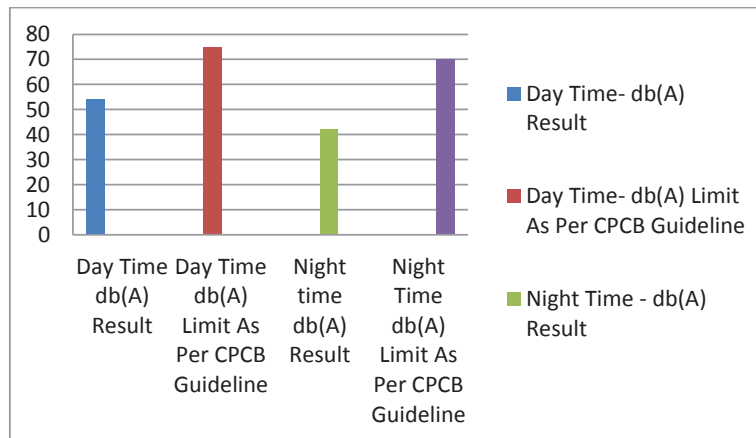


Figure 3.2 Location-wise Variation of Ambient Noise Levels

3.2.4. Discussion on Ambient Noise Levels in the Study Area

Day Time Noise Levels (L_{day}):

The day time noise level at the project site was within the limit for Industrial area i.e. 75 db(A).

Night Time Noise Levels (L_{night}):

The night time noise level at the project site was within the limit for Industrial area i.e. 70 db(A)

3.3 GROUNDWATER QUALITY MONITORING

3.3.1 Groundwater Quality Monitoring Locations

Keeping in view the importance of groundwater as an important source of drinking water to the local population, sample of ground water was collected near the project site for the assessment of impacts of the project on the groundwater quality.

Water sample was collected from the project site in the month of May, 2019. The sample was analyzed for various parameters to compare with the standards for drinking water as per IS: 10500 for ground water sources. The details of water sampling locations are given in **Table 3.6**.

Table 3.6: Details of Water Quality Monitoring Station

S. No.	Location Code	Location Name/ Description
1.	GW 1	Project site

3.3.2 Methodology of Groundwater Quality Monitoring

Sampling of ground water was carried out in May, 2019. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample were properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. Sample for chemical analysis was collected in polyethylene carboys. Sample collected for metal content were acidified to <2 pH with 1 ml HNO_3 . A sample for bacteriological analysis was collected in sterilized glass bottles.

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported by road to IR&DH for further analysis. Proper care was taken during

packing and transportation of samples. All the samples reached the central laboratory within the holding times for different parameters. After ensuring the same the samples were forwarded immediately for analysis.

The samples were analyzed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA) and CPCB. The analytical techniques and the test methods adopted for testing of ground water are given in **Table 3.7**.

3.3.3 Groundwater Quality Monitoring Results

The detailed groundwater quality monitoring results are presented in **Table 3.7**.

Table 3.7: Groundwater Quality Monitoring Results

S No.	Parameter	Test Protocol	Results	Unit	Requirements as per IS 10500- 2012	
					Acceptable Limit (Max)	Permissible limits(Max)
1.	pH	IS 3025 P-11 1983	7.72	--	6.5-8.5	No Relaxation
2.	Turbidity	IS 3025 P-10 (1984)	<0.5	NTU	1	5
3.	Total Hardness	IS 3025 P-21 (2009)	208.0	mg/l	200	600
4.	Total Dissolved Solids (TDS)	IS 3025 P-16(1984)	402.0	mg/l	500	2000
5.	Calcium as Ca	IS 3025 P-40 (1991)	38.4	mg/l	75	200
6.	Magnesium as Mg	IS 3025 P-46 (1994)	27.21	mg/l	30	100
7.	Total Alkalinity as CaCO ₃	IS 3025 P-23 (1986)	172.0	mg/l	200	600
8.	Chloride as Cl	IS 3025 P-32 (1988)	22.0	mg/l	250	1000
9.	Barium as Ba	Annex F of IS:13428	<0.05	mg/l	0.7	No Relaxation
10.	Ammonia as N	IS 3025 P-34 (1988)	<0.1	mg/l	0.5	No Relaxation
11.	Sulphate as SO ₄	IS 3025 P-24 (1986)	49.0	mg/l	200	400
12.	Nitrate as NO ₃	IS 3025 P-34 (1988)	6.2	mg/l	45	No Relaxation
13.	Fluoride as F	APHA, 22 nd Edition	0.23	mg/l	1	1.5
14.	Iron as Fe	IS 3025 P-53 (2003)	<0.1	mg/l	0.3	No Relaxation
15.	Aluminium as Al	IS 3025 P-55(2003)	<0.01	mg/l	0.03	0.2
16.	Anionic Detergent	Annex K of IS:13428	<0.05	mg/l	0.2	1
17.	Phenolic Compounds	IS 3025 P-43 (1992)	<0.001	mg/l	0.001	0.002
18.	Boron as B	IS 3025 P-57 (2005)	<0.1	mg/l	0.5	1
19.	Chromium as Cr	IS 3025 P-52 (2003)	<0.01	mg/l	0.05	No Relaxation
20.	Lead as Pb	IS 3025 P47 (1994)	<0.01	mg/l	0.01	No Relaxation
21.	Copper as Cu	IS 3025 P42 (1992)	<0.01	mg/l	0.05	1.5

22.	Mercury as Hg	IS 3025 P-48 (1994)	<0.001	mg/l	0.001	No Relaxation
23.	Manganese as Mn	IS 3025 P-59 (2006)	<0.01	mg/l	0.1	0.3
24.	Zinc as Zn	IS 3025 P-49 (1994)	<0.01	mg/l	5	15
25.	Arsenic as As	IS 3025 P-37 (1988)	<0.01	mg/l	0.01	No Relaxation
26.	Nickel as Ni	IS 3025 P-54 (2003)	<0.01	mg/l	0.02	No Relaxation
27.	Cadmium as Cd	IS 3025 P-41 (1992)	<0.001	mg/l	0.003	No Relaxation

3.3.4 Discussion on Groundwater Quality in the Study Area

The ground water quality in the project area is observed to be potable with total hardness in the ground water is 208 mg/l is higher than prescribed limit of 200 mg/L. However, remaining parameters are within the CPCB prescribed limits.

3.4 SOIL MONITORING

3.4.1 Soil Monitoring Locations

The objective of the soil monitoring is to identify the impacts of ongoing project activities on soil quality and also predict impacts, which have arisen due to execution of various constructions allied activities. Accordingly, a study of assessment of the soil quality has been carried out.

To assess impacts of ongoing project activities on the soil in the area, the physico-chemical characteristics of soils were examined by obtaining soil samples from selected points and analysis of the same. One sample of soil was collected from the project site for studying soil characteristics in the month of May, 2019, the location of which is listed in **Table 3.8**.

Table 3.8 Details of Soil Quality Monitoring Location

S. No.	Location Code	Location Name/ Description
1.	S1	Project Site

3.4.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1, 2nd edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations).

The samples have been analyzed as per the established scientific methods for physico-chemical parameters. The heavy metals have been analyzed by using Atomic Absorption Spectrophotometer and Inductive Coupled Plasma Analyzer.

3.4.3 Soil Monitoring Results

The physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.9**.

Table 3.9: Physico-Chemical Characteristics of Soil in the Study Area

S. No.	Parameter	Test Method	Results	Unit
1.	pH	IS 2720 P-26 (1987)	80.2	--
2.	Conductivity	IS 14767 (RA 2016)	410.0	μS/cm
3.	Moisture	IS 2720 P-25(1972)	9.5	% by mass
4.	Water Holding Capacity	IRDH/SOP-SL/07	40.0	%
5.	Specific Gravity	IS 2720 P-3 (1980)	2.23	-
6.	Bulk density	IRDH/SOP-SL/06	1.39	gm/cc
7.	Chloride	IRDH/SOP-SL/14	248.0	mg/kg
8.	Calcium	IRDH/SOP-SL/17	1204.0	mg/kg
9.	Sodium	IRDH/SOP-SL/11	161.0	mg/kg
10.	Potassium	IRDH/SOP-SL/12	77.0	mg/kg
11.	Magnesium	IRDH/SOP-SL/16	188.0	mg/kg
12.	Organic matter	IS 2720 P-22 (1972)	0.57	% by mass
13.	Cation Exchange Capacity(CEC)	IRDH/SOP-SL/09	13.9	meq/100gm
14.	Available nitrogen	IS 14684	37.0	mg/kg
15.	Available Phosphorous	IRDH/SOP-SL/10	4.2	mg/kg
16.	Texture	IRDH/SOP-SL/08		% by mass
	Sand		65.1	
	Clay		24.8	
	Silt		10.1	
17.	Sodium Absorption Ratio(SAR)	IRDH/SOP-SL/13	1.14	By calculation

3.4.4 Discussion on Soil Characteristics in the Study Area

The soil in study area is characterized by moderate organic content. The soil quality in the project area has not been affected by the project activities.

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

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To,

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

Ref. No.....704...../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, Gajraula.
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.

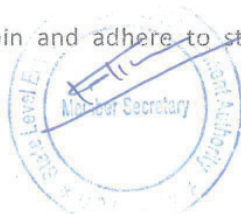


11. Gas Leak detection system with Alarm indication in HMI/SCADA : The Smart Type, 3-wire Gas Transmitter having Digital display (both local and at panel) with Main and Remote Panel having compatibility with PLC/HMI/SCADA will be provided in fenced area at strategic locations
12. MV water sprinkler system 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.



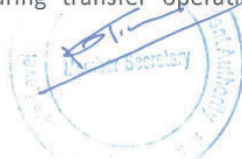
- b. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- c. Additional 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



Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Seminary Hills,
Nagpur - 440006

सीड पोस्ट
SPEED POST

E-mail : explosives@explosives.gov.in
Phone/Fax No : 0712 -2510248, Fax-2510577

Prior Approval No :A/S/HO/UP/03/732 (S87850)

Dated : 09/04/2018

To,

10 APR 2018

M/s. INSILCC LIMITED,
A-5, UPSIDC INDL. , BHARATIGRAM GAJRAULA AMROHA,
AMROHA,
Amroha,
District: AMROHA
State : Uttar Pradesh
PIN : 244223

Sub : Proposed storage of LPG in pressure vessels at Village -A5, D7 TO D10 & Part of Road NO. 19 UPSIDC Industrial Area, Gajraula, UPSIDC Industrial Area, Gajraula, AMROHA, AMROHA, Taluka : AMROHA, District : AMROHA, State: Uttar Pradesh PIN : 244223 Grant of approval of under SMPV (U) Rules, 2016.

Sir(s),

Reference: your letter No. NIL dated 21/02/2018

The following drawings received with your letter under reference in respect subject proposal meets with the approval of this office and two set thereof is sent herewith duly endorsed.

Sr No	Drawing Date	Drawing Number	Drawing Description
1	01/05/2017	UTL/INS/LPG-31	Site Plan
2	01/05/2017	UTL/INSL/LPG-30	Layout Plan
3	01/05/2017	UTL/INS/LPG-32	Other
4	01/05/2017	UTL/INS/LPG-36	P & I Drawing
5	01/05/2017	UTL/INS/LPG-37	Other

Conditions of the Approval:-

(1) To submit Environments Clearance obtained from Ministry of Environment and Forest, Government of India. (2) To submit close out report of HAZOP study report

You are requested to submit the following additional drawings and documents for approval .

Please note that the vessels shall be fabricated by an approved manufacturer as per design drawings approved by this department under stage inspection by a recognized 3rd Party Inspecting Agency.

After installation of the facilities as per the approved drawings, you may submit the following documents for grant of licence in Form LS-1A of SMPV(U) Rules, 2016.

1. Application in Form AS-1.
2. 4 copies of 'as-built' site, layout, foundation, P&I drawings and fabrication drawings of each pressure vessel.
3. Test & inspection certificates (certificate of control) issued by recognized 3rd Party Inspecting Agency (Original + 2 copies).
4. Safety certificates under rule 33 issued by recognized competent person (Original + 2 copies).
5. 3 copies of certificate of periodic tests of vessel and safety valve under rules 18 & 19 (not required for new vessels).

6. Original No Objection Certificate from District Authority along with a site plan endorsed by him applicable only for Flammable, Toxic & Corrosive gases.

7. Bank draft for requisite licence fee drawn on a Nationalised Bank in favour of Chief Controller of Explosives payable at Nagpur (Rs. 5000/- for first 5000 lit or part thereof, and Rs. 2500 for every additional 1000 lit or part thereof, limited to maximum of Rs. 50,000/- per year - maximum 3 years licence fees is acceptable).

Fee to be paid: For 144000 liters total water capacity of Gas for one year is Rs.50000.

8. Specimen signatures of persons authorized to make correspondence in the subject matter.

9. Other Documents :-

i. Copy of Hazop Study & Risk Analysis Report.

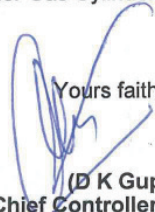
ii. Copy of On-Site Emergency Plan.

iii. Copy of Safety Report under Rule 10 of MSIHC Rule, 1989.

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

Note: In case of filling / storage of gas cylinders separate application for approval under Gas Cylinder Rules 2016 shall be submitted.

Yours faithfully,


(D K Gupta)
Dy. Chief Controller of Explosives
For Chief Controller of Explosives
Nagpur

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)



UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ref. No : 518/UPPCB/Bijnore(UPPCBRO)/HWM/JYOTIBA PHULE NAGAR /2017

Dated: 06/06/2018

To,

M/s INSILCO LTD.

A-5, UPSIDC Industrial Area, Bhartiagram, Gajraula

Tehsil :Amroha

District :JYOTIBA PHULE NAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

1. Number of authorization and date of issue 518 and 06/06/2018 .
2. Reference of application (No. and date) 140560 and 21/11/2017 .
3. Mr BRIJESH ARORA of M/s INSILCO LTD. is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at A-5, UPSIDC Industrial Area, Bhartiagram, Gajraula .

Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule 1- cat-5.1(used oil)	TSDF/ Authorized recyclers	5 KL per Annum
2	Schedule 1- cat-5.2(waste or residue containing oil)	TSDF/ Authorized recyclers	1
3	Schedule 1- cat-33.1(Empty containers)	Authorized recyclers	1
4	Schedule 3 part B- B2020- waste batteries	TSDF/ Authorized recyclers	100 Number per annum
5	Schedule 1- cat-15.2(Asbestos sheet)	TSDF/ Authorized recyclers	20

1. The authorization shall be valid for a period of 06/06/2023 from the date of issue of this letter .
2. The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any) .

A General Conditions of Authorization -

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under .
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board .
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization .
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation .

5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time .
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty .
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility .
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation .
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained .
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation .
11. The importer of exporter shall bear the cost of Import or export and mitigation of damages if any
12. An application for the renewal of an authorisation shall be made as laid down under these Rules .
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time .
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .

B Specific Conditions of Authorization

1- Unit shall ensure compliance of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

2- Unit shall comply with the provisions of Rule 19 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and send copy of Form 10 regarding Manifest for Hazardous and Other Wastes.

3- The unit shall submit of Rs. 20000/- as specified in the office order no. H18595/C-2/sa-346/07-18 dated 23.04.2018 of UPPCB within 15 days from issue of this certificate, failing which this authorization certificate shall be deemed invalid.

(Authorized Signatory)

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Bijnore for information and necessary action .

CEO/EE, I/C Circle_____

प्रारूप-झ (संलग्नक-9)
अग्नि एवा जीवन सुरक्षाप्रमाण पत्र का नवीनीकरण
(Renewal of Fire & Life Safety Certificate)

यूआईडी संख्या: UPFS/2019/2476/AMR/AMROHA/18/DD

दिनांक: 28-01-2019

प्रमाणित किया जाता है कि मैसर्स **INSILCO LIMITED A-5 UPSIDC INDUSTRIAL ESTATE, BHARTIA GRAM GAJRAULA DISTT. AMROHA** (भवन/प्रतिष्ठान का नाम) पता **A-5,A-5 UPSIDC GAJRAULA,GAJRAULA** तहसील - **DHANAURA** जिसमें तलों की संख्या **4** एवं बेसमेन्ट की संख्या **0** है जिसकी ऊँचाई **15.00** मीटर तथा प्लॉट एरिया **89840.21 sq.mt** है। भवन का अधिभोग **INSILCO LIMITED A-5 UPSIDC INDUSTRIAL ESTATE, BHARTIA GRAM GAJRAULA DISTT. AMROHA** (भवन स्वामी/ अधिभोगी अथवा कम्पनी का नाम) द्वारा किया जा रहा है। इनके द्वारा भवन में अग्नि निवारण एवं अग्नि सुरक्षा व्यवस्थायें एन0बी0सी0 एवं तत्संबंधी भारतीय मानक व्यूरो के आई0एस0 के अनुसार भवन में स्थापित व्यवस्थाओं का अनुरक्षण किया जा रहा है। जिसका निरीक्षण मुख्य अग्निशमन अधिकारी द्वारा दिनांक **02-02-2019** को भवन स्वामी के प्रतिनिधि श्री **PRADEEP KUMAR** के साथ किया गया तथा भवन में अधिष्ठापित अग्नि एवं जीवन सुरक्षा व्यवस्थाओं को मानकों के अनुसार यथास्थिति में पाया गया। अतः प्रश्नगत भवन को अग्नि एवा जीवन सुरक्षाप्रमाण पत्र का नवीनीकरण (Renewal of Fire & Life Safety Certificate)(एन0बी0सी0 की अधिभोग श्रेणी) **Industrial** के अन्तर्गत वैधता तिथि **03-02-2019** से **02-02-2022** तक **3** वर्ष के लिये इस शर्त के साथ दिया जा रहा है कि भवन में सभी मानकों का अनुपालन किया जायेगा तथा भवन के इस प्रमाण पत्र का नवीनीकरण निर्धारित समयवधि के अन्तर्गत पुनः कराया जायेगा तथा नवीनीकरण से पूर्व भवन में स्थापित अग्निशमन व्यवस्थाओं को क्रियाशील रखने की जिम्मेदारी आपकी होगी ।

निर्गत किये जाने का दिनांक: **03-02-2019**

स्थान: **AMROHA**

हस्ताक्षर-

निर्गमन अधिकारी-

(उप निदेशक)



Digitally Signed By

(**AJAY KUMAR GUPTA**)

[1F448FD9CAAD733034C554BDB4A59D25455E014B]

03-02-2019

MEMBER SECRETARY



केन्द्रीय भूमि जल प्राधिकरण
जल संसाधन, नदी विकास एवं
गंगा संरक्षण मंत्रालय
भारत सरकार

File No: - 21-4/1618/UP/IND/2017-26

NOC No: - CGWA/NOC/IND/ORIG/2017/2901

Central Ground Water Authority
Ministry of Water Resources
River Development & Ganga Rejuvenation
Government of India

Date: 02 JAN 2018

To

M/s Insilco Limited
Plot No A-5, UPSIDC Industrial Area, Bhartiagram,
Block Gajraula, District Amroha,
Uttar Pradesh – 244223



Sub:- NOC for ground water withdrawal to M/s Insilco Limited in respect of their existing Chemical manufacturing unit located at Plot No A-5, UPSIDC Industrial Area, Bhartiagram, Town Gajraula (NP), Block Gajraula, District Amroha, Uttar Pradesh – reg.

Refer to your application on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, Northern Region, Lucknow vide their recommendations dated 31/07/2017 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to **M/s Insilco Limited in respect of their existing Chemical manufacturing unit located at Plot No A-5, UPSIDC Industrial Area, Bhartiagram, Town Gajraula (NP), Block Gajraula, District Amroha, Uttar Pradesh.** The NOC is, however subject to the following conditions:-

1. The firm may abstract **4,900 cu.m/day** for 340 days (and not exceeding **16,73,500 cu.m/year**) of ground water, through existing three (3) tube wells only. No additional ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA. **The tube wells shall be modified as per guidelines enclosed in Annexure.**
2. All the wells shall be fitted with water meter by the firm at its own cost and monitoring of ground water abstraction shall be undertaken accordingly on regular basis, atleast once in a month.
3. **M/s Insilco Limited** shall, in consultation with the Regional Director, Central Ground Water Board, Northern Region, Lucknow implement ground water recharge measures atleast to the tune of **8,41,500 cu.m/year** as proposed, for augmenting the ground water resources of the area within six months from the date of issue of this letter. **Recharge measures shall be taken up by the firm outside the plant premises.** Firm shall also undertake periodic maintenance of recharge structures at its own cost.
4. The photographs of the recharge structures after completion of the same are to be furnished immediately to the Regional Director, Central Ground Water Board, Northern Region, Lucknow for verification and under intimation to this office.

West Block - 2, Wing - 3, Sector - 1, R.K. Puram, New Delhi - 110066

Tel : 011-26175362, 26175373, 26175379 Fax : 011-26175369

Website : www.cgwb.gov.in, www.mowr.gov.in

स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल

CONSERVE WATER - SAVE LIFE

5. The firm at its own cost shall install three (3) piezometers fitted with digital water level recorder having telemetry systems at suitable location and execute monthly ground water regime monitoring in and around the project area on regular basis in consultation with the Central Ground Water Board, Northern Region, Lucknow. The firm shall share user ID and password with the Regional Director, Central Ground Water Board, Northern Region, Lucknow.
6. The ground water quality shall be monitored twice in a year during pre- monsoon and post- monsoon periods.
7. The ground water monitoring data in respect of S. No. 2, 5 & 6 shall be submitted to Central Ground Water Board, Northern Region, Lucknow on regular basis at least once in a year.
8. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
9. Action taken report in respect of S. No. 1 to 8 shall be submitted to CGWA within one year period.
10. The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 9.
11. This NOC is subject to prevailing Central/State Government rules/laws or Court orders related to construction of tubewell/ground water withdrawal/construction of recharge or conservation structure/discharge of effluents or any such matter as applicable.
12. The firm shall report self compliance online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
13. This NOC does not absolve the applicant / proponent of this obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
14. The NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and be taking decisions independently of the NOC.
15. This NOC is valid from 08/12/2017 till 07/12/2019.


Member Secretary

Copy to:

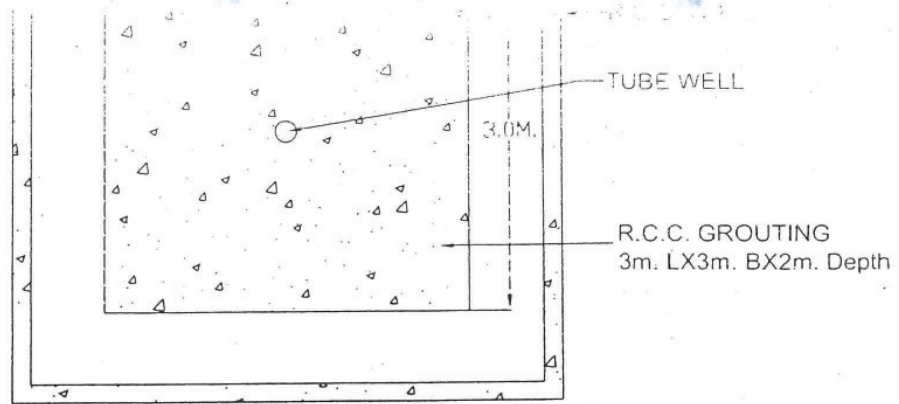
1. The Member Secretary, Uttar Pradesh Pollution Control Board, PICUP Bhawan, Third Floor, B-Block, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh **with a request to ensure that the conditions mentioned in the NOC are complied by the firm in consultation with the District Magistrate, District Amroha, Uttar Pradesh.**
2. The District Magistrate, District Amroha, Uttar Pradesh for necessary action.
3. The Regional Director, Central Ground Water Board, Northern Region, Lucknow. This has reference to your recommendation dated 31/07/2017.
4. TS to the Chairman, Central Ground Water Authority, Shram Shakti Bhawan, Rafi Marg, New Delhi.
5. Guard File 2017-18.


Member Secretary

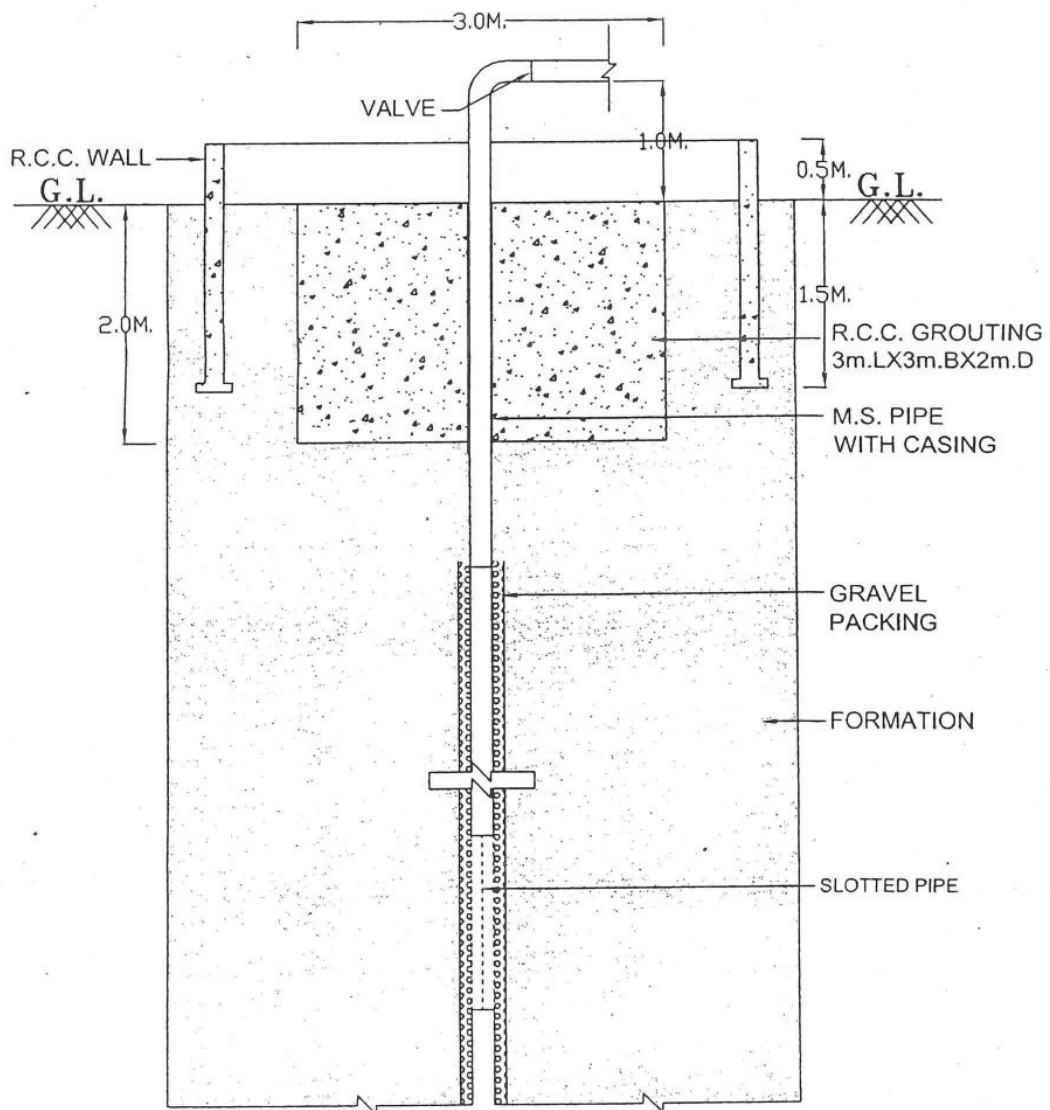
CRITERIA FOR CONSTRUCTION OF TUBE WELL/ BORE WELL IN THE PLANT PREMISES OF
POLLUTION PRONE INDUSTRIES/ PROJECTS – Additional Conditions

It has been observed that in the areas where industries/ projects viz. Tannery, Slaughter Houses, Dye, Chemical, other hazardous units, etc. are located, the ground water in and around these have been polluted. In order to prevent further deterioration of ground water pollution, it has been decided to take all necessary measures for well head protection. All industries/ projects falling under this category are hereby directed to follow the under mentioned procedure both for existing and new category.

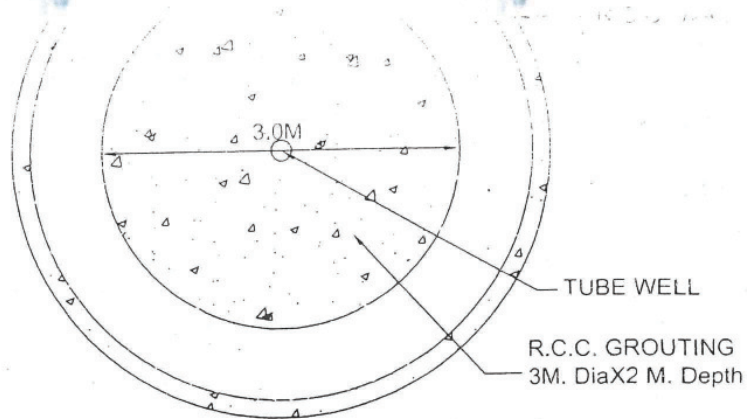
1. No tube well/ bore well to be constructed in near vicinity of the processing unit. Tube well/ bore well to be constructed at the place which is hygienically maintained.
2. The assembly pipe/ casing pipe must be only of Mild Steel and no PVC (Poly Vinyl Chloride) or similar pipes to be used. The tube well/ bore well having PVC or similar pipes should be abandoned and filled back.
3. Around the tube well/ bore well RCC (Reinforced Concrete Cement) grouting of 3 meters (length) x 3 meters (width) x 2 meters (depth) must be provided. The pipe of the tube well/ bore well must be raised 1 meter above ground level (1 magl). The tube well/ bore well must be surrounded by RCC wall of 0.5 meter high and 1.5 meter depth to prevent any surface contamination to enter the constructed tube well/ bore well. **Plan/Sectional diagram is enclosed for reference.**
4. The tube well/ bore well must be fitted with NRV (Non Return Valve) for ensuring that the constructed tube well/ bore well is exclusively used for abstraction of ground water only.
5. At no point of time there should be any injection of any water or fluid into the constructed tube well/ bore well/ Piezometer.
6. The industries/ projects under this category should not implement any recharge measures within the plant premises.
7. Any tube well/ bore well located/ constructed the near vicinity of STP (Sewage Treatment Plant) or ETP (Effluent Treatment Plant) should be abandoned and filled back.
8. All efforts to be made for according priority for constructing the tube well/ bore well outside the plant/projects premises.
9. The piezometer to be constructed for monitoring purpose should follow the same procedure as that for tube well/ bore well for such industries/ projects.
10. CGWA reserves the right to withdraw the NOC and sealing of tube well/ bore well in case of any violation.



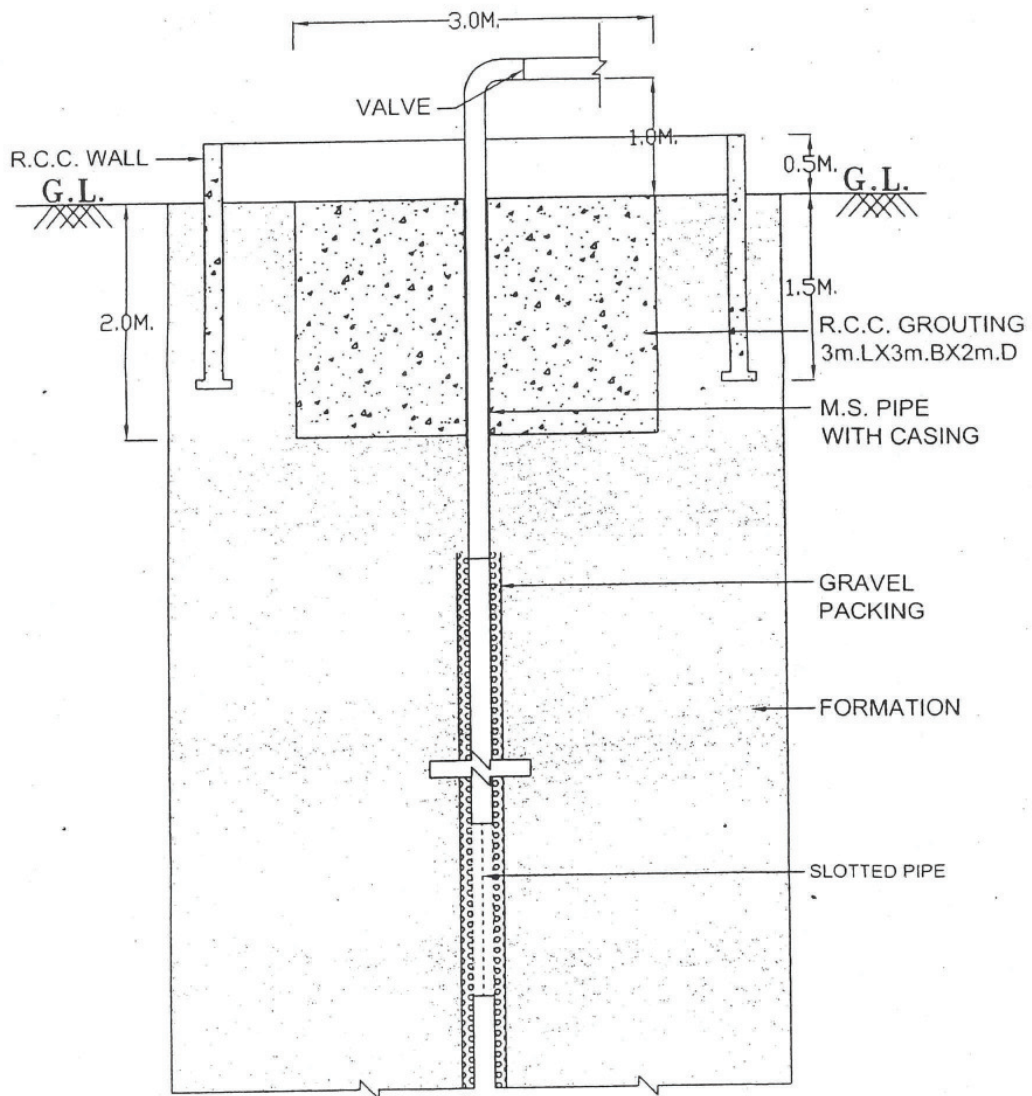
PLAN



SECTION



PLAN



SECTION

IND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.



NABL Accredited & MoEF&CC Recognized Laboratory
(ISO 9001:2015/ISO14001:2015/OHSAS 18001:2007)

C-10, 2nd Floor, Sector-6, Noida-201301 (U.P.)
Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

TEST REPORT

Page 1/2

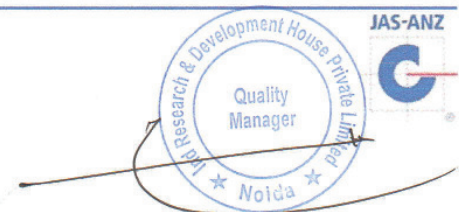
(Water)

Report No. :	IRDH/CHL-19-20/ WQ-51
Date of Reporting	31/05/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Proposed '2 X 33 MT Propane/LPG Mounded Bullet' Project at A-5, UPSIDC Industrial Estate, Bhartiagram, Gajraula- 244223, Distt. Amroha (UP). By M/s Insilco Ltd.
Nature of Sample	Ground Water
Identification of Sample	Water collected from project site
Date of Sampling	25/05/2019
Method of sampling	IS 3025- Part 1(1987)
Date of testing:	25/05/2019 To 31/05/2019
Sampled by	IR&DH - Team

RESULTS

S No.	Parameter	Test Protocol	Results	Unit	Requirements as per IS 10500- 2012	
					Acceptable Limit (Max)	Permissible limits(Max)
1.	pH	IS 3025 P-11 1983	7.72	--	6.5-8.5	No Relaxation
2.	Turbidity	IS 3025 P-10 (1984)	<0.5	NTU	1	5
3.	Total Hardness	IS 3025 P-21 (2009)	208.0	mg/l	200	600
4.	Total Dissolved Solids (TDS)	IS 3025 P-16(1984)	402.0	mg/l	500	2000
5.	Calcium as Ca	IS 3025 P-40 (1991)	38.4	mg/l	75	200
6.	Magnesium as Mg	IS 3025 P-46 (1994)	27.21	mg/l	30	100
7.	Total Alkalinity as CaCO ₃	IS 3025 P-23 (1986)	172.0	mg/l	200	600
8.	Chloride as Cl	IS 3025 P-32 (1988)	22.0	mg/l	250	1000
9.	Barium as Ba	Annex F of IS:13428	<0.05	mg/l	0.7	No Relaxation
10.	Ammonia as N	IS 3025 P-34 (1988)	<0.1	mg/l	0.5	No Relaxation
11.	Sulphate as SO ₄	IS 3025 P-24 (1986)	49.0	mg/l	200	400
12.	Nitrate as NO ₃	IS 3025 P-34 (1988)	6.2	mg/l	45	No Relaxation

Head Office: G-8/6, Ground Floor,
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Report No. - IRDH/CHL-19-20/ WQ-51

Page: 2/2

S No.	Parameter	Test Protocol	Results	Unit	Requirements as per IS 10500- 2012	
					Acceptable Limit (Max)	Permissible limits(Max)
13.	Fluoride as F	APHA,22 nd Edition	0.23	mg/l	1	1.5
14.	Iron as Fe	IS 3025 P-53 (2003)	<0.1	mg/l	0.3	No Relaxation
15.	Aluminium as Al	IS 3025 P-55(2003)	<0.01	mg/l	0.03	0.2
16.	Anionic Detergent	Annex K of IS:13428	<0.05	mg/l	0.2	1
17.	Phenolic Compounds	IS 3025 P-43 (1992)	<0.001	mg/l	0.001	0.002
18.	Boron as B	IS 3025 P-57 (2005)	<0.1	mg/l	0.5	1
19.	Chromium as Cr	IS 3025 P-52 (2003)	<0.01	mg/l	0.05	No Relaxation
20.	Lead as Pb	IS 3025 P47 (1994)	<0.01	mg/l	0.01	No Relaxation
21.	Copper as Cu	IS 3025 P42 (1992)	<0.01	mg/l	0.05	1.5
22.	Mercury as Hg	IS 3025 P-48 (1994)	<0.001	mg/l	0.001	No Relaxation
23.	Manganese as Mn	IS 3025 P-59 (2006)	<0.01	mg/l	0.1	0.3
24.	Zinc as Zn	IS 3025 P-49 (1994)	<0.01	mg/l	5	15
25.	Arsenic as As	IS 3025 P-37 (1988)	<0.01	mg/l	0.01	No Relaxation
26.	Nickel as Ni	IS 3025 P-54 (2003)	<0.01	mg/l	0.02	No Relaxation
27.	Cadmium as Cd	IS 3025 P-41 (1992)	<0.001	mg/l	0.003	No Relaxation

End of Report

Authorized Signatory
Quality Manager
Noida

- 1- Test Report is limited to the invoice raised
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TEST REPORT

(Soil)

Report No. :	IRDH/CHL-19-20/ SL-51
Date of Reporting	31/05/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Proposed '2 X 33 MT Propane/LPG Mounded Bullet' Project at A-5, UPSIDC Industrial Estate, Bhartiagram, Gajraula- 244223, Distt. Amroha (UP). By M/s Insilco Ltd.
Nature of Sample	Soil
Identification of Sample	Soil sample collected from Project site
Date of Sampling	25/05/2019
Method of sampling	USDA method
Date of testing:	25/05/2019 To 31/05/2019
Sampled by	IRDH - Team

RESULTS

S. No.	Parameter	Test Method	Results	Unit
1.	pH	IS 2720 P-26 (1987)	80.2	--
2.	Conductivity	IS 14767 (RA 2016)	410.0	μS/cm
3.	Moisture	IS 2720 P-25(1972)	9.5	% by mass
4.	Water Holding Capacity	IRDH/SOP-SL/07	40.0	%
5.	Specific Gravity	IS 2720 P-3 (1980)	2.23	-
6.	Bulk density	IRDH/SOP-SL/06	1.39	gm/cc
7.	Chloride	IRDH/SOP-SL/14	248.0	mg/kg
8.	Calcium	IRDH/SOP-SL/17	1204.0	mg/kg
9.	Sodium	IRDH/SOP-SL/11	161.0	mg/kg
10.	Potassium	IRDH/SOP-SL/12	77.0	mg/kg
11.	Magnesium	IRDH/SOP-SL/16	188.0	mg/kg
12.	Organic matter	IS 2720 P-22 (1972)	0.57	% by mass
13.	Cation Exchange Capacity(CEC)	IRDH/SOP-SL/09	13.9	meq/100gm
14.	Available nitrogen	IS 14684	37.0	mg/kg
15.	Available Phosphorous	IRDH/SOP-SL/10	4.2	mg/kg

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Report No. - IRDH/CHL-19-20/ SL-51

Page: 2/2

S. No.	Parameter	Test Method	Results	Unit
16.	Texture	IRDH/SOP-SL/08		% by mass
	Sand		65.1	
	Clay		24.8	
	Silt		10.1	
17.	Sodium Absorption Ratio(SAR)	IRDH/SOP-SL/13	1.14	By calculation

End of Report

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TEST REPORT (Ambient Air)

Report No	IRDH/CHL-19-20/ AAQ-51
Date of Reporting	31/05/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Proposed '2 X 33 MT Propane/LPG Mounded Bullet' Project at A-5, UPSIDC Industrial Estate, Bhartiagram, Gajraula- 244223, Distt. Amroha (UP). By M/s Insilco Ltd.
Location	Project site
Date of Sampling	25/05/2019 To 26/05/2019
Type of Monitoring	Ambient Air Monitoring
Parameters to be sampled	PM _{2.5} , PM ₁₀ , SO ₂ , NO ₂ , CO
Weather condition	Clear sky
Method of sampling	As per standard Method
Duration of Monitoring	24 hourly

RESULTS

S. No	Parameter	Method	Results	Unit	Requirement (CPCB limits) [#]
1.	Particulate Matter as PM _{2.5}	IRDH/SOP/AAQM/01	71.0	µg/m ³	60
2.	Particulate Matter as PM ₁₀	IS 5182 P- 23 (2006)	154.0	µg/m ³	100
3.	Sulphur dioxide as SO ₂	IS 5182 P-02 (2001)	10.0	µg/m ³	80
4.	Nitrogen dioxide as NO ₂	IS 5182 P-06 (2006)	19.0	µg/m ³	80
5.	Carbon monoxide as CO	IRDH/SOP/AAQM/08	0.89	mg/m ³	4.0
6.	Ozone (as O ₃)	IS:5182(Part-9)	18.0	µg/m ³	100 (8 Hourly)
7.	Lead (Pb)	IS:5182(Part-22)	<0.1	µg/m ³	1
8.	Ammonia (NH ₃)	SOP:IRDH/SOP/AAQM/09	14.0	µg/m ³	400
9.	Benzene (C ₆ H ₆)*	IS:5182(Part-11)	<1.0	µg/m ³	5
10.	Benzo alpha Pyrene	IS:5182(Part-12)	<1.0	ng/m ³	1
11.	Arsenic (As)	SOP: IRDH/SOP/ AAQM/06	<1.0	ng/m ³	6
12.	Nickel (Ni)	SOP: IRDH/SOP/ AAQM/07	<1.0	ng/m ³	20

[#]Gazette notification published by MoEF&CC, New Delhi on 18 Nov. 2009

*Not under NABL Scope

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Tel. : +91 120 4215489, E-mail : contact.irdh@gmail.com

TEST REPORT (Ambient Noise)

Report No	IRDH/CHL-19-20/ ANQ-51
Date of Reporting	31/05/2019
Issued to	M/s Ind Tech House Consult, G-8/6, Ground Floor, Sector-11, Rohini, Delhi-110085
Project Name	Proposed '2 X 33 MT Propane/LPG Mounded Bullet' Project at A-5, UPSIDC Industrial Estate, Bhartiagram, Gajraula- 244223, Distt. Amroha (UP). By M/s Insilco Ltd.
Location	Project site
Date of Sampling	25/05/2019 To 26/05/2019
Type of Monitoring	Ambient Noise Monitoring
Method of sampling	As per standard Method
Sampling Protocol	IS:9876-2004; IS 9989-2003
Duration of Monitoring	24 hourly
Sample drawn by	IRDH Laboratory

RESULTS

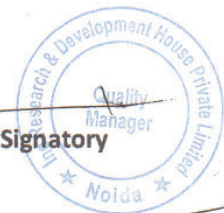
All values are in dB (A)

Sr. No.	Locations	Day Time (Lday) 06:00AM - 10:00PM	Night Time (Lnight) 10:00PM - 06:00AM
ANQ -1	Project site	54.1	42.2

CPCB Limits			
Sr. No		Day Time	Night Time
1.	Industrial area	75	70
2.	Commercial area	65	55
3.	Residential area	55	45
4.	Silence Zone	50	40

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- Keep in record
 - Send a copy to
 Mr. Prady & Ganesh
 as well.

भूमि विवाद में चर

नगर के नवादा रोड पर हुआ विवाद, धारा



अमर उजाला अग्रो

गजरौला। नवादा रोड पर बनी
 के विवाद में दो पक्षों में बंफकर
 व धारादार रहियार चले। कार में भी
 तीरकांड की गई। मारपीट में पांच
 लोग बाधल हो गए। चौके पर लोगों
 को भीड़ जमा हो गई। सूचना मिलते
 ही पुलिस पहुंच गई। बाधलों का
 सौरवशी में उपचार कराया गया।
 मामले में कारवाई की है। यही की जा
 रही है।

बाधल सभा में
 श्रद्धांजलि दी

अमरीहा। आस्था सभा की ओर से
 बड़ा बाजार स्थित श्री बाबा गंगा
 गण मंदिर परिसर में शोक सभा
 आयोजित की गई। पूर्व ज्योति
 प्रखर राम अंबारन शर्मा और
 अशोकप्रसाद शर्मा संरक्षक के निधन
 पर शोक जताया गया। आस्था की
 शांति और परिवारवालों को दुख

सपा-बसपा की

संयुक्त बैठक कल

अमरीहा। बहुजन समाज पार्टी के
 विधायक सभा क्षेत्र की बैठक बीमा में हुई।
 इसमें सपा और बसपा के कार्यकर्ता
 सहभागिता का संकलन बनाते का निर्णय
 लिया गया। जौन कोऑर्डिनेटर अजय
 सिंह ने कहा कि 10 मार्च को गठबंधन
 के कार्यकर्ताओं की संयुक्त बैठक है।
 इसमें पार्टी संख्या में कार्यकर्ता हिस्सा ले
 लेंगे।
 विभागाध्यक्ष रामअंबारन ने कहा कि बसपा
 स्तर पर कार्यकर्ता एकजुट है। इस दौरेन
 का, सुदामा सिंह, राकेश सिंह, आर्य
 सागर, महेश शर्मा, शैलेश चंद्रा, राजीव
 शर्मा सहित, तनवीर अली, यालिकर
 पशु, महिला विद्वे मंडल रहे। अग्रो

सूचना

आम जनता को सूचित किया जाता है कि पंजाब
 मारपीट, पर और बाधल शर्मा के निधन में अमर
 प्रजासत्ताक 704 / Parya / SEAC / 4329-4587 /
 2018 की दिनांक 2 मार्च 2019 को अमर प्रजासत्ताक
 D-10 और सड़क के हिस्से पर 19, यूनिफार्मडिफेंस
 अशोकप्रखर एस्टेट, धारा, जिनका-अमरीहा, यू.पी. के
 प्रशासन मंत्रालय के लिए M/s Inasco Limited को
 पंजाब मंत्रालय प्रदान करने के लिए।
 और इस सलाहनामक प्रदान के लिए आम जनता को यह
 भी सूचित किया जाता है कि अब पंजाब मंत्रालय
 को एक प्रति उत्तर प्रदान प्रदान किया जा रहा है।
 को एक प्रति उत्तर प्रदान प्रदान किया जा रहा है।
<http://www.envisfor.com> और स्थिति स्थिति
 का संसाधन <https://www.inscoindia.com/>
 propane-LPG-project.htm पर उपलब्ध है।
 दिनांक : 7th मार्च 2019 स्थिति स्थिति के लिए
 प्रथम संकाय

एड्रेस: Zero point Rampur Road, Moradabad
 Forming: Sunday 10.03.19, between 11am-5pm
 Contact: 86602281, 7055300438
 Email: n.g.motors55@gmail.com

- Sales Manager - 01
- Sales Consultant - 10
- Team Leader - 02
- Computer Operator - 02
- Workshop Manager - 01
- Insurance Incharge - 01

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Required for HEM MOTORS

09/March/2019

9/March/2019

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एचसी में आरओ

शुद्धि ताकि कोई भी मरीज आए अटेंड कर सके। उनके परिजनों को कहां मिलती है, एकसरे कहां अल्ट्रासाउंड कहां होगा व इसको कहां से उपलब्ध होगी आदि के जानकारी दे सके। पोस्टमार्टम पर लाश को सुरक्षित रखने की व्यवस्था करने के निर्देश दिए। लों में दवाओं की उपलब्धता चाहिए। सीएमओ प्रत्येक जन। केंद्र का समय-समय पर जा कर और दवाओं की धता के बारे उच्चाधिकारियों से हैं। मुख्य चिकित्सा अधिकारी डॉ. शर्मा, अंपर मुख्य चिकित्सा री, मुख्य चिकित्सा अधीक्षक भी सीएचसी एवं पीएचसी के समेत संबंधित अधिकारी रहे।

समिति के सचिव की डीएम से शिकायत
अमरोहा: बछरायूं के चौधरियान निवासी रजीउद्दीन व फसीउद्दीन ने डीएम को पत्र देकर सहकारी समिति बछरायूं के सचिव पर फसली ऋण स्वीकृत करने के बदले घूस मांगने का आरोप लगाया है। कहा है वह काफी समय से चक्कर काट रहे हैं लेकिन समाधान नहीं किया गया। डीएम ने सहायक आयुक्त एवं निबंधक सहकारिता को कार्रवाई के निर्देश दिए हैं।

सूचना

आम जनता को सूचित किया जाता है कि पर्यावरण मंत्रालय वन और जलवायु परिवर्तन मंत्रालय ने अपने पत्र क्रमांक 704/Paryw/SEAC/4329-4597 /2018 की दिनांक 2 मार्च 2019 को अपने प्रोसेक्ट 2-33 MT प्रोपेन/LPG गैसों के ब्रैंड, A-5, D-7 से D-10 और सड़क के बिस्से पर 19, यूरोपेली आर्डीसी औद्योगिक एस्टेट, धनीरा, जिला अमरोहा, यू.पी. के प्रस्तावित प्रस्ताव के लिए M/s Insilco Limited को पर्यावरण संतुरी प्रदान कर दी है। और इस सार्वजनिक सूचना के द्वारा, आम जनता को यह भी सूचित किया जाता है कि उक्त पर्यावरण संतुरी पत्र को एक प्रति उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड, पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय को वेबसाइट <http://www.envfor.nic.in> और ईमेल को लिमिटेड को वेबसाइट <https://www.insilcoindia.com/propane-LPG-project.htm> पर उपलब्ध है।
 दिनांक: 7 मार्च 2019
 ईमेल को लिमिटेड के लिए
 स्थान: गजरीला, उत्तर प्रदेश
 प्रबंध संचालक - सुचेत अरोड़ा

TALK IN INTERVIEW
Green Meadows School

BSK
 - Pls keep in record
 - Provide a copy to Pradip & Sonam as well.
 1
 AEC



Quality Council of India

National Accreditation Board for Education & Training



CERTIFICATE OF ACCREDITATION

Ind Tech House Consult


Ground Floor, G-8/6, Rohini, Sector -11, Delhi – 110089

Accredited as **Category - A** organization under the QCI-NABET Scheme for Accreditation of EIA Consultant Organizations: Version 3 for preparing EIA-EMP reports in the following Sectors:

Sl. No.	Sector Description	Sector (as per)		Cat.
		NABET	MoEFCC	
1	Mining of minerals opencast only	1	1 (a) (i)	A
	Mining of minerals underground mining			B
2	Offshore and onshore oil and gas exploration, development & production	2	1 (b)	A
3	River Valley projects	3	1 (c)	A
4	Petro-chemical complexes	18	5 (c)	A
5	Synthetic organic chemicals industry	21	5 (f)	B
6	Oil & gas transportation pipeline, passing through national parks/sanctuaries/coral reefs /ecologically sensitive areas including LNG terminal	27	6 (a)	A
7	Isolated storage & handling of Hazardous chemicals	28	6 (b)	B
8	Ports, harbours, break waters and dredging	33	7 (e)	B
9	Aerial ropeways	35	7 (g)	B
10	Common Municipal Solid Waste Management Facility (CMSWMF)	37	7 (i)	B
11	Building and construction projects	38	8 (a)	B
12	Townships and Area development projects	39	8 (b)	B

Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in RA AC minutes dated Jun. 14, 2018 posted on QCI-NABET website.

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/18/0740 dated Sep. 05, 2018. The accreditation needs to be renewed before the expiry date by Ind Tech House Consult, Delhi, following due process of assessment.


Sr. Director, NABET
Dated: Sep.05, 2018

Certificate No.
NABET/ EIA/1821/ RA 0098

Valid till
31.01.2021

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to QCI-NABET website.





**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

IND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

C-10, 2nd Floor, Sector-6, Noida, Uttar Pradesh

in the field of

TESTING

Certificate Number TC-5912

Issue Date 30/06/2017



Valid Until 29/06/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

Anil Relia
Chief Executive Officer



