



परिवेश  
PARIVESH  
(CPC GREEN)

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



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## View Half Yearly Compliance Report at Project Proponent

### Proposal Details

**Proposal No**

IA/GJ/IND2/456957/2024

**Category**

Industrial Projects - 2

**Name of Project**

Setting up Petrochemical Complex at Dahej , District - Bharuch, Gujarat by Petronet LNG Limited

**Plot / Survey/ Khasra No.**

7A

**Village(s)**

Luvara

**Sub-District(s)**

Vagra

**State**

GUJARAT

**District**

BHARUCH

**MoEF File No**

IA-J-11011/345/2022-IA-II(I)

**Name of the Entity/  
Corporate Office**

PETRONET LNG LIMITED

**Entity's PAN**

\*\*\*\*\*8148D

**Entity Name as per PAN**

PETRONET LNG LIMITED

**Entity details mentioned above is correct ?**

Agree

### Covering Letter

**Covering Letter**[Click to View](#)**Compliance Reporting Details****Reporting Year**

2024

**Reporting Period**

01 Dec(01 Apr - 30 Sep)

**Remark(if any)**

Six Monthly Compliance Report for the period of Apr-Sep'24.

**Details of Production and Project Area****Date of Commencement of Project/Activity**

08-03-2024

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	47.7	47.7
Revenue Land	2	2
Forest	0	
Others	0	0
Total	49.7	49.7

**Land Documents**

NA

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Ethane	Million Tons per Annum (MTPA)	700 KTPA			null	NA
2	Propane	Million Tons per Annum (MTPA)	100 KTPA			null	NA
3	Hydrogen	Million Tons per Annum (MTPA)	32 KTPA			null	NA

4	Propylene	Million Tons per Annum (MTPA)	250 KTPA			null	NA
5	Polypropylene	Million Tons per Annum (MTPA)	500 KTPA			null	NA
6	C4 LPG	Million Tons per Annum (MTPA)	36 KPTA			null	NA

### Conditions

#### Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	Statutory compliance	PP shall comply with all the conditions stipulated in the recommendations of GCZMA vide letter ENV-10-2023-114-T dated 12.02.2024 & letter no. AU/IRS/KSR/6956/164-2023-REV1 dated 22ndFebruary 2024 adhering to GCZMA recommendations.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
2	Risk Mitigation and Disaster Management	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	PPs Submission	All the environment protection measures mentioned in EIA report shall be complied and all the recommendations made in EMP and QRA shall be implemented. Agreed to Comply 29-11-2024 Attachment:NA

3	Statutory compliance	All pollution control and monitoring equipments shall be installed, tested and interlocked with the process. SPCB shall grant 'Consent to Operate' after ensuring that all the mentioned pollution control equipment's, construction of storm water drain, Greenbelt, uploading of compliance report on the website etc. have been implemented.	PPs Submission	Necessary interlocks related to pollution control / monitoring are being incorporated in the design documents such as P and ID's, specifications etc. Agreed to Comply 29-11-2024 Attachment:NA
4	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement shall not exceed 15600 m3/day, proposed to be met from from Gujarat Industrial Development Corporation (GIDC) water supply system. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The fresh water requirement shall be reduced after installation of rainwater harvesting system in the unit/project area.	PPs Submission	The possibility of rain water harvesting is being explored. However, being a coastal area it seems difficult for such provision. However, per day water requirement is not expected to exceed 15,600 m3/day. Agreed to Comply 29-11-2024 Attachment:NA
5	WASTE MANAGEMENT	All the effluent generated from the proposed unit shall be treated in the efficient ETP. Effort shall be made to recycle the treated effluent for cooling make up water and process. Treated Effluents shall not exceed 840 m3/day which shall be discharged to common effluent channel of GIDC through pipeline.	PPs Submission	The effluent from the complex is not expected to exceed 840 m3/day. The licensor data obtained so far is within the expected limit. Being Complied 29-11-2024 Attachment:NA

6	WASTE MANAGEMENT	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
7	MISCELLANEOUS	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
8	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
9	AIR QUALITY MONITORING AND PRESERVATION	Regular VOC monitoring shall be done at vulnerable points.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
10	WASTE MANAGEMENT	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bioremediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
11	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system	PPs Submission	The documents being prepared will meet the statutory requirement. QRA and other safety studies are planned

		<p>and other safety requirements shall be as per the PNGRB norms (LNG T4S Regulations, Petroleum Installations T4S Regulations &amp; ERDMP Regulations) and applicable provisions of OISD. PESO certificate shall be obtained. Location of Ethane, Propane, Propylene, Hydrogen storage facilities (DWST/Mounded Bullets &amp; Bullet etc.) shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such event shall not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary of the plant.</p>		<p>during the detailed engineering and recommendations of these studies will be implemented. Agreed to Comply 29-11-2024 Attachment:NA</p>
12	Risk Mitigation and Disaster Management	<p>Company shall determine the distance of fire hydrant while finalizing its location from ethanol storage tanks or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.</p>	PPs Submission	<p>The documents being prepared will meet the statutory requirement. QRA and other safety studies are planned during the detailed engineering and recommendations of these studies will be implemented. Agreed to Comply 29-11-2024 Attachment:NA</p>
13	Risk Mitigation and Disaster Management	<p>Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the location of the leak source and the probable leaked</p>	PPs Submission	<p>The documents being prepared will meet the statutory requirement. Emergency Response and Disaster Management Plan (ERDMP), F and G mapping study and</p>

		<p>quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, Risk Mitigation plan shall be in place.</p>		<p>other safety studies are planned during the detailed engineering and recommendations of these studies will be implemented. Agreed to Comply 29-11-2024 Attachment:NA</p>
14	Risk Mitigation and Disaster Management	<p>Cumulative and Societal risk be determined considering at least two most predominant wind directions and accordingly industry to put in place its response plan for an effective emergency response management. QRA shall be undertaken by the accredited consultant.</p>	PPs Submission	<p>The documents being prepared will meet the statutory requirement. QRA and other safety studies are planned during the detailed engineering and recommendations of these studies will be implemented. Agreed to Comply 29-11-2024 Attachment:NA</p>
15	MISCELLANEOUS	<p>Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.</p>	PPs Submission	<p>Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA</p>
16	MISCELLANEOUS	<p>"The company shall undertake waste minimization measures as below: a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of Close Feed system into batch reactors. e) Venting equipment through vapour recovery</p>	PPs Submission	<p>Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA</p>

		system. f) Use of high pressure hoses for equipment cleaning etc. to reduce wastewater generation."			
17	GREENBELT	<p>Industry shall develop that greenbelt in an area of 6.0 ha (i.e., 12.57 % of total project area) within in the proposed plot with tree density @2500 trees per hectare, mainly along the plant periphery. Additionally, 50 ha area outside the plant shall be developed in collaboration with Forest Dept which is around 10 km from the proposed site. As committed, PP shall obtain confirmation letter that 50 ha green development proposed outside the plant shall be exclusively done for this proposal by the M/s. Petronet LNG Limited and not by any other Industries. Indigenous species shall only be planted as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be</p>	<table border="1"> <tr> <td>PPs Submission</td> <td>Green belt will be developed within the proposed plant along plant periphery and 50 Ha green belt is being developed outside the plant premises meeting the requirement of CPCB guidelines. Agreed to Comply 29-11-2024 Attachment:NA</td> </tr> </table>	PPs Submission	Green belt will be developed within the proposed plant along plant periphery and 50 Ha green belt is being developed outside the plant premises meeting the requirement of CPCB guidelines. Agreed to Comply 29-11-2024 Attachment:NA
PPs Submission	Green belt will be developed within the proposed plant along plant periphery and 50 Ha green belt is being developed outside the plant premises meeting the requirement of CPCB guidelines. Agreed to Comply 29-11-2024 Attachment:NA				



		developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before commissioning of the plant.		
18	GREENBELT	The proposed 50 ha area proposed for greenbelt outside the project area which is located at a distance of 10 km shall be geotagged. PP shall provide update of the progress and maintenance of the same while submitting 6 monthly compliance report along with photographs.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
19	GREENBELT	PP shall ensure that an overall green area of at-least 33% is developed in the Industrial Estate for EC dated 14.09.2017 as per Ministry's OM F. No. 19-74/2020-IA.III dated 27th October, 2020.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
20	Corporate Environmental Responsibility	"PP proposed to allocate Rs. 5.00 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration"	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
21	MISCELLANEOUS	A separate Environmental Management Cell (having qualified person with Environmental Science/	PPs Submission	Environment Management cell is in place and is attached as Annexure-I. Being Complied

		Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.		29-11-2024 Attachment: <a href="#">Click to View</a>
22	MISCELLANEOUS	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	PPs Submission	All fire protection measures as per applicable OISD, PNGRB will be ensured. Agreed to Comply 29-11-2024 Attachment:NA
23	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
24	Human Health Environment	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA

25	AIR QUALITY MONITORING AND PRESERVATION	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
26	Risk Mitigation and Disaster Management	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.	PPs Submission	All the recommendations of the QRA studies will be implemented. Agreed to Comply 29-11-2024 Attachment:NA
27	MISCELLANEOUS	"The project proponent shall develop R& D facilities to develop their own technologies for propylene and polypropylene processing."	PPs Submission	R and D facilities will be opened before the plant commissioning. Agreed to Comply 29-11-2024 Attachment:NA
28	MISCELLANEOUS	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	PPs Submission	Noted, Required awareness will be carried out and measures taken will be included in the six monthly compliance report. Agreed to Comply 29-11-2024 Attachment:NA

**General Conditions**

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	ENERGY PRESERVATION MEASURES	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	PPs Submission	Noted and will be complied. Agreed to Comply 29-11-2024 Attachment:NA
2	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	PPs Submission	Noted and will be complied. Currently the project construction has not been started. Once it will start, Noise monitoring will be carried out and report will be submitted along with six monthly report. Agreed to Comply 29-11-2024 Attachment:NA
3	MISCELLANEOUS	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess	PPs Submission	Noted, No further expansion or modifications will be carried out in the plant without prior approval from the MOEFCC/SEIAA. Agreed to Comply 29-11-2024 Attachment:NA

		the adequacy of conditions imposed and to add additional environmental protection measures required, if any.		
4	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	PPs Submission	Community welfare measures will be taken. Agreed to Comply 29-11-2024 Attachment:NA
5	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	PPs Submission	The fund of Rs 33 Cr towards capital cost and Rs 1 Cr towards recurring cost per annum has been earmarked for Environment Management Plan. Agreed to Comply 29-11-2024 Attachment:NA
6	MISCELLANEOUS	A copy of the clearance letter shall be sent by the project proponent to	PPs Submission	EC copy submitted to the nearby villages for their

		concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.		information and display. Correspondence of the same is attached as Annexure-II. Complied 29-11-2024 Attachment: <a href="#">Click to View</a>
7	MISCELLANEOUS	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	PPs Submission	Six-monthly compliance report is regularly uploaded on MoEFCC website and shared with SPCB and same is uploaded on company's website. Being Complied 29-11-2024 Attachment:NA

8	Statutory compliance	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&amp;CC by e-mail.</p>	PPs Submission	<p>Currently the project construction has not been started. Once the construction will be completed and the project will be integrated with the existing terminal, Form -V for the same will be submitted. Although Form-V for the existing terminal is being submitted every year. Being Complied 29-11-2024 Attachment:NA</p>
9	MISCELLANEOUS	<p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	PPs Submission	<p>Published in the two local newspaper dated 14.03.2024. Copy of the same is attached as Annexure III. Being Complied 29-11-2024 Attachment: <a href="#">Click to View</a></p>

10	MISCELLANEOUS	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	PPs Submission	Noted for compliance. Agreed to Comply 29-11-2024 Attachment:NA
11	MISCELLANEOUS	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	PPs Submission	Noted for Information. Agreed to Comply 29-11-2024 Attachment:NA

**Document uploaded by the PP**

**Last Site Visit Report (if available)**

NA

**Last Site Visit Report Date (if available)**

**Additional Attachment (if any)**

NA

**Additional Remarks (if any)**

- I 'PETRONET LNG LIMITED' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

**Cover Letter From RO/SRO**

**Cover Letter From RO/SRO**

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