

IOLPL/MOEF & CC/Six Monthly Compliance Report/2025/01

Date: 11.01.2025

To,
Addl. Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office
1st Floor, Additional Office Bloack for GPOA
Shastri Bhawan, Haddows Road
Nungambakkam, Chennai - 600034.

Respected Sir,

Sub: 2nd Six Monthly Compliance Report for the year 2024 on the stipulated clearance conditions for setting up of LNG terminal at Ennore, Tamil Nadu by M/s IndianOil LNG Private Limited.

Ref: F.No.11-30/2011-IA III dated 10.02.2014

The 2nd Six Monthly Compliance Report for the period July to December 2024 is prepared as per the Environmental and CRZ clearance conditions dated 10/02/2014 for IndianOil LNG Private Limited, Ennore and is enclosed herewith along with necessary supporting documents for your kind reference.

The receipt of this letter may kindly be acknowledged.

Thanking You

Yours Faithfully

For INDIANOIL LNG PRIVATE LIMITED



Chief Executive Officer

Enclosures

1. Status of compliance of the stipulated clearance (Specific & General) conditions dated 10/02/2014.
2. Annexure-1: Report on Ambient Air Quality, Marine Water Quality and Noise Monitoring at IOLPL
3. Annexure-2: Details of Mock Drills conducted during the reporting period.
4. Annexure-3: status of CER works carried out.

MOEF EC COMPLIANCE STATEMENT as on 20.12.2024

2nd Six monthly Compliance report for the period July to December 2024 as per the Environmental and CRZ clearance "Specific conditions" point-6 and General Conditions dated 10/02/2014 (F.No.11-30/2011-IA III dated 10.02.2014 & Letter No.5132/EC.3/2013-1 dated 20.09.2013) - IndianOil LNG Private Limited (IOLPL).

Point wise compliance statement for the subject Environmental Clearance is given below: -

S No.	CONDITION	STATUS REMARKS
1	Precautionary measures shall be put in place to prevent leakage of LNG due to any disasters including tidal/tsunami wave, seismic and other natural calamities. Disaster management plan shall put in place to manage emergencies.	Complied. Precautionary measures are put in place to prevent leakage of Liquefied Natural Gas (LNG) and PNGRB approved Disaster Management Plan is in place to manage emergencies.
2	Oil spill contingency management plan shall be put in place.	IOLPL is located inside Kamarajar Port Limited (KPL), Ennore. IOLPL jetty is receiving ships that are operated using LNG. As per the agreement between IOLPL and KPL major oil spill containment will be done in co-ordination with KPL. In case of any minor spills IOLPL is having facility to handle the situation.
3	Mooring hooks shall be provided with online sensor for load monitoring as committed.	Complied. All the mooring hooks are provided with online sensors for auto tensioning and load monitoring.
4	Project proponent shall explore training the local population with the help of training institutes like ITI etc, to make them suitable for employment in the facility.	Local population has been identified, trained in IOLPL and employment opportunities are provided.
5	All the conditions stipulated by the Tamil Nadu Coastal Zone Management Authority (TNCZMA) vide letter no 5123/EC.3/2013-1 dated 20.09.2013, shall be complied with.	
	The safety regulations and other guidelines prescribed by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas; Petroleum Explosives Safety Organization (PESO) shall be strictly implemented.	Complied. IOLPL has obtained necessary approvals from Ministry of Petroleum and Natural Gas, Petroleum Explosives Safety Organization (PESO) and safety regulations and other guidelines are complied.
	- The designing and construction of LNG Terminal shall comply with the National and International standards. - Adequate care should be taken to maintain the safety of sea walls, which were already erected adjacent to the project site, so as to prevent any adverse impact on the proposed storage tanks at the project site due to erosion or any other natural calamities.	Complied. Noted. IOLPL is situated inside Kamarajar Port Limited, Ennore. It may be noted that more than 200 meters exists between shore line and plant boundary and LNG storage tanks are situated at

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		further distance of 60 meters from plant boundary. It has been ensured in co-ordination with KPL.
	Even though the dredging near the LNG jetty inside the port area will be carried out by the Ennore port, the safe disposal of dredged material shall be ensured.	Dredging is being done by KPL; however, it is being ensured that the dredged material is disposed off safely.
	A detailed Risk analysis with reference to the gas leak shall be prepared and based on the probable consequences; a Risk Management Plan shall be evolved for implementation during operational phase. Main focus should be given on the safety of personnel on the event of any disaster or accidents.	Complied. Detailed Quantitative Risk Analysis is carried out with reference to gas leak and probable consequence has been identified. Necessary control measures and risk management plan is in place to mitigate the consequences.
	The EIA report furnished by the unit is having only indicative water quality monitoring parameters. Comprehensive Marine Water Quality monitoring shall be conducted periodically with reference to the parameters viz, Physical, chemical, heavy metals, biological, bacteriological, fish eggs and larvae.	Complied. IOLPL is not discharging any effluent into marine sea water. Ambient Air Quality Monitoring, Noise Monitoring & Comprehensive Marine water analysis is being carried out every six months. Last environmental monitoring was carried out on 06.12.2024. Environmental Monitoring Report is attached as Annexure-01.
	LNG pumps along with motors will be used for pumping operations, the level of noise during pumping operations along with the level of noise generated within the plant due to other operations shall be studied and adequate measures shall be implemented for noise reduction with periodical monitoring mechanism.	Noted & complied. Noise Monitoring is being carried out by MOEF approved party every six months. Last monitoring was done on 06.12.2024 and the report is attached as Annexure-01 . All the values are well within the limits prescribed by TNPCB standards.
	All activities should conform to the provisions of CRZ Notification 2011.	Noted & complied.
6	Mock drill shall be conducted in collaboration with the State Disaster Management Authority or National Disaster Management Authority.	Complied. Mock drills are conducted at Regular Intervals. Periodic onsite mock drills are being carried out in presence of JDISH. Please refer Annexure-02 for Mock drills conducted during the reporting period.
7	Tie-up with specialized hospitals for handling any disaster situation. Earmarking of identified beds in burns ward to be done.	Noted & complied.

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S No.	CONDITION	STATUS REMARKS
8	Onsite Emergency Management Plan shall be put in place.	Yes, PNGRB approved Emergency Response and Disaster management plan is in place and being followed.
9	All the issues raised in the public hearing shall be incorporated and complied with strictly.	Complied.
10	No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone Area.	Noted and Being Complied.
11	NOC/Clearance shall be obtained confirming that all the firefighting provisions are as per standards specified by the Chief Controller of Explosives/Petroleum & Explosives Safety Organization (PESO) for the additional storage tanks.	Complied. NOC from State Fire and Rescue services is available The layout for the terminal including the Firefighting systems is approved by PESO.
12	Leak detection/Warning system shall be provided at strategic locations. Necessary control measures capable of remote operation to shut down the leakage, if any, should be provided.	Complied. Leak, Fire and Gas Detection system is in place and necessary controls are taken based on the cause-and-effect logic.
13	The smooth and safe operation of the system will be ensured by incorporating a computerized SCADA (Supervisor Control and Data Acquisition) system. Any leakage in the pipeline shall be immediately detected by the computer system and product pumping shall be immediately cut off.	Complied. The facility is provided with Flame and Open Path gas detectors which upon activation will shut down as per logic. LNG Spill detectors are provided in the terminal which will initiate alarm upon activation and signal will be received in DCS panel at Main Control Room & Fire Control Room.
14	Regular patrolling of the pipelines needs to be done. This will help in identifying any activity that have the potential to cause pipeline damage or to identify small leaks whose effects are too small to be detected by instrument.	Complied. Regular patrolling is carried out by Operation, Maintenance, Safety & Security teams.
15	The project shall be carried out as per international standards in vogue and duly certified by competent authorities before commissioning.	Complied.
16	Oil Spill Contingency Management Plan shall be put in place along with the dedicated staff to deal with oil spill in and around the port area shall be provided in the port. No oily wastes shall be discharged into the water bodies/mangrove areas.	No Oil is being loaded/ Unloaded in the terminal. No bunkering is permitted at IOLPL jetty. LNG carriers are fueled by LNG, so there is minimal probability of Oil leakage and spill for which IOLPL is having facility to contain the oil spill. Oil Spill contingency is being handled by KPL for any major leaks, if any. For minor leaks IOLPL is having facility to contain and handle leaks.
17	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental	Yes, being complied with.

	safeguards under the supervision of a senior Executive.	
18	The project proponent shall take up mangrove plantation/green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management plan for such mangrove development.	Yes, being complied with. Around 42 acres of land is earmarked for green belt development and is being maintained.
19	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Noted and complied.

General Conditions of Environmental and CRZ Clearance dated 10/02/2014: -

S No.	CONDITION	STATUS REMARKS
1	Adequate provision for infrastructure facilities including water supply fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.	Construction completed. The terminal is in operation since March-2019.
2	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Noted and complied.
3	Full support shall be extended to the officers of this Ministry/regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Noted. IOLPL is committed to provide full support during site inspection of statutory agency and required data are provided.
4	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	Noted and complied. Original approval was obtained in the name of IndianOil Corporation Limited subsequently changed into IndianOil LNG Private Limited after duly obtaining the approval from MOEF vide approval reference number F. No. 11-30/2011 – IA III Pt. file dated 22.04.2016. We shall also comply with any other changes as and when arise.
5	The project proponents 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 land development work.	Complied.
6	A copy of the clearance letter shall be marked to the concerned Panchayat/Local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.	Complied.

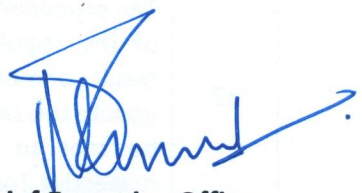
S No.	CONDITION	STATUS REMARKS
7	Tamil Nadu Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collectors Office/Tehsildar's office for 30 days.	Complied.
8	These stipulations would be enforced among others under the provisions 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 1994, including the amendments and rules made thereafter.	Complied.
9	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Being complied with. Necessary clearance from PESO for storage of High-Speed Diesel is obtained. NOC from State fire and rescue department is obtained.
10	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental and CRZ Clearance and copies of clearance letters are available with the Tamil Nadu State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance Letter and a copy of the same should be forwarded to the regional office of this Ministry at Bangalore.	Being complied with. Advertisement is done and details of advertisements are as follows. 1. "The Daily Thanthi" dated 20-02-2014. 2. "The Hindu" dated 20-02-2014.
11	A copy of the clearance letter shall be sent by the proponent to 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. The clearance letter shall also be put on the website of the company by the proponent.	Complied.
12	The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted and complied with. The compliance statements are uploaded in the official website. www.indianoilng.com
13	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the	Complied. The unit is submitting six monthly compliance reports to respective offices.

	respective Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB.	
S No.	CONDITION	STATUS REMARKS
14	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent 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 Clearance conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.	Noted & complied. The unit have prepared and submitted Environment Statement (Form-V) for the period 2023-2024 to TNPCB vide letter reference no: IOLPL/Form-V/TNPCB/GPD/2024/01 dated 28.09.2024.

Point No-4 of Amendment of Environmental and CRZ Clearance Ref: F. No. 11-30/2011-IA.III dated 10/10/2018: -

S No.	CONDITION	STATUS REMARKS
1	As per the Ministry's Office Memorandum F.No.22-65/2017-1A.III dated 1 st May 2018, the project proponent is required to prepare and implement Corporate Environment Responsibility (CER) Plan. As per para 6(11) of the said O.M. appropriate funds shall be earmarked for the activities such as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.	Funds are earmarked for CER projects. Rs 3.48 crore is being spend for CER projects in coordination with Tiruvallur district administration. The details of projects carried out in coordination with District Administration as part of CER is attached as Annexure 03.

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Chief Executive Officer
IndianOil LNG Private Limited