

IOLPL/ MOEF/Compliance report/ 2020/01

Date: 03.07.2020

To

Additional Principal Chief Conservator of Forests (C),
The CCF Regional Office,
Ministry of Environment, Forest and Climate Change,
Regional Office (SEZ),
Ist and IInd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road, Nungambakkam,
Chennai – 600034

Sir,

Sub: 1st six monthly Compliance report for the year 2019 on the stipulated clearance conditions for setting up of LNG terminal at Ennore, Tamil Nadu by M/s Indian Oil LNG private limited.

As per the Environmental and CRZ clearance "Specific conditions" point-6 and General Conditions dated 10/02/2014 for the construction of LNG terminal at Ennore, inside Kamarajar Port, 1st six monthly report for the year 2020 has been prepared on the status of compliance of the stipulated clearance conditions (Specific conditions and General conditions) and the necessary supporting documents are attached herewith for your kind reference.

Attachments:

1. Status of compliance of the stipulated clearance (Specific & General) conditions dated 07-11-2018, Ministry's Office Memorandum F.No.22-65/2017-1A.III dated 1-05-2018.
2. Annexure-1: Report on Ambient Air Quality, Marine Water Quality and Noise Monitoring at IOLPL dated 17-12-2019.
3. Annexure-2 Reports of Mock Drills conducted for the reporting period
4. CER Reports for the reporting period

The receipt of this letter may kindly be acknowledged.

Thanking You

Yours faithfully

For **INDIANOIL LNG PRIVATE LIMITED**


Chief Operating Officer

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 LNG and Disaster management plan is prepared and in place to manage emergencies.
2	Oil spill contingency management plan shall be put in place.	Complied. Oil Spill contingency management plan is in place.
3	Mooring hooks shall be provided with online sensor for load monitoring as committed.	Complied. All the mooring hooks are provided with Load sensors for auto tensioning.
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.	Planning being done for implementation along with Kattupalli Panchayat & Kattupalli Government Higher Secondary School in identification of eligible candidate.
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. <ul style="list-style-type: none"> 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. <p>a. PESO License for LNG tanks (PESO license No S/HO/TN/03/1258(S93113) dated 18/02/2019 valid till 30/09/2021</p> <p>b. Diesel Storage (PESO license No P/HQ/TN/15/5209(P397880) dated 13/02/2019 valid till 31/12/2020</p> <p>c. Nitrogen tanks (PESO license No S/SC/TN/03/12(S94258) dated 26/02/2019 valid till 30/09/2021</p>
	<ul style="list-style-type: none"> The designing and construction of LNG Terminal shall comply with the National and International standards. 	Complied.
	<ul style="list-style-type: none"> 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. 	Noted. Ennore Port Limited is already carrying out beach nourishment. It may be noted that more than 200 meters exists between shore line and plant boundary and LNG storage tanks are situated at further distance of 60 Meters from plant boundary. Plant ground level will be around 5 meters higher than the Chart Datum (CD) level.

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	<ul style="list-style-type: none"> • 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. 	Noted & Complied.
	<ul style="list-style-type: none"> • 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. Risk analysis with reference to gas leak based on probable consequence has been carried out and incorporated in Environment Impact Assessment & Quantitative Risk Analysis.
	<ul style="list-style-type: none"> • 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. 	Noted & Complied. Report on Ambient Air Quality Monitoring, Noise Monitoring & Marine water analysis with reference to the parameters viz, Physical, chemical, heavy metals, biological, bacteriological, fish eggs and larvae carried out on 21.05.2020. Report is attached as Annexure-1.
	<ul style="list-style-type: none"> • 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. Report on Noise Monitoring carried out on 21.05.2020 is attached as Annexure -1.
	<ul style="list-style-type: none"> • 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. 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.
8	Onsite Emergency Management Plan shall be put in place.	Yes, being complied.
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.	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.	NA at present. However, the same shall be complied with for any additional storage tanks.
12	Leak detection/Warning system shall be provided at strategic locations. Necessary control measures capable of remote	Complied.

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	operation to shut down the leakage, if any, should be provided.	
S. No	CONDITION	STATUS REMARKS
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.
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 security team.
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.	Complied.
17	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a senior Executive.	Yes, being complied with.
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.	Complied.
19	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	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.	Complied.
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.

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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. 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. 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.
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.	Being complied with.
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.
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 Parisad/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.

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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. Uploaded in the official website. www.indianoillng.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 respective Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB.	Complied.
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.

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.	CER Activities are in progress. Amid COVID 19 pandemic outbreak, IOLPL distributed essential commodities to 3200 families on 16 th April 2020 & 11 th May 2020 to nearby villages at a cost of Rs 9 lakhs. Report is uploaded in our official website www.indianoillng.com and also attached as Annexure-3.

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3/7/2020

Chief Operating Officer
IndianOil LNG Private Limited