

**Specific conditions as per point-6 of Environmental and CRZ clearance dated 10/02/2014:**

Sl. 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	Not Applicable at present as the project is in construction stage. However the same shall be complied with during the operation.
2	Oil spill contingency management plan shall be put in place	Not Applicable at present as the project is in construction stage. However the same shall be complied with during the operation.
3	Mooring hooks shall be provided with online sensor for load monitoring as committed.	Not Applicable at present as the project is in construction stage. However the same shall be complied with during the operation.
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.
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"> <li>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</li> </ul>	Yes, being complied. IOC have already received in-principle clearance from PESO for the LNG Terminal vide letter dated 08.02.2013.
	<ul style="list-style-type: none"> <li>The designing and construction of LNG Terminal shall comply with the National and International standards.</li> </ul>	Yes, being complied.
	<ul style="list-style-type: none"> <li>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.</li> </ul>	Noted. Ennore Port Limited is already carrying out beach nourishment It may be noted that sufficient distance exists between shore line and plant boundary. The above distance is more than 200 meters, LNG storage tanks are to be situated at further distance of around 60 Meters. Besides, boundary wall is also proposed to be constructed in between. Plant finished ground level will be around 5 meters higher than the CD level.
	<ul style="list-style-type: none"> <li>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.</li> </ul>	Noted. Ennore Port Limited shall carry out the dredging. Disposal of dredged material shall be carried out by Ennore Port Limited as per the recommendations of MOEF.
	<ul style="list-style-type: none"> <li>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.</li> </ul>	Risk analysis with reference to gas leak based on probable consequence has been carried out and incorporated in EIA report as Chapter-13.
	<ul style="list-style-type: none"> <li>The EIA report furnished by the unit is having only</li> </ul>	Report dated 21-10-2016 for Ambient air

	<p>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</p>	<p>quality, Noise level and 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 attached as Annexure-3</p>
	<ul style="list-style-type: none"> <li>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.</li> </ul>	<p>Shall be implemented during operation.</p>
	<ul style="list-style-type: none"> <li>All activities should conform to the provisions of CRZ Notification 2011.</li> </ul>	<p>Yes being complied.</p>
6	<p>Mock drill shall be conducted in collaboration with the State Disaster Management Authority or National Disaster Management Authority.</p>	<p>Shall be done in collaboration with the State Disaster Management Authority or National Disaster Management Authority.</p>
7	<p>Tie-up with specialized hospitals for handling any disaster situation. Earmarking of identified beds in burns ward be done.</p>	<p>Tie-up has been done with the following hospitals,</p> <ol style="list-style-type: none"> <li>Sugam Hospital, Thiruvottiyur.</li> <li>Apollo Hospital, Tondiarpet.</li> </ol>
8	<p>Onsite Emergency Management Plan shall be put in place.</p>	<p>Yes, being complied. Disaster management plan (DMP) including onsite and offsite scenarios has also been added in the chapter-13 of EIA report.</p>
9	<p>All the issues raised in the public hearing shall be incorporated and complied with strictly.</p>	<p>Yes being complied. Copy of IOCL response to the queries raised in public hearing attached as Annexure-1.</p>
10	<p>No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone Area.</p>	<p>Yes, being complied.</p>
11	<p>NOC/Clearance shall be obtained confirming that all the firefighting provisions are as per standards specified by the Chief Controller of Explosives/Petroleum &amp; Explosives Safety Organization (PESO) for the additional storage tanks.</p>	<p>Yes, being complied.</p>
12	<p>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.</p>	<p>Yes, being complied.</p>
13	<p>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.</p>	<p>Shall be implemented with laying of gas sendoff pipelines.</p>
14	<p>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.</p>	<p>Shall be implemented with laying of gas sendoff pipelines.</p>
15	<p>The project shall be carried out as per international standards in vogue and duly certified by competent authorities before commissioning.</p>	<p>Shall be complied with.</p>

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.	Not Applicable at present as the project is in construction stage. However the same shall be complied with during operation.
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.	Yes, being complied with.
19	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Shall be complied with.

**General Conditions of Environmental and CRZ clearance dated 10/02/2014:**

Sl. 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.	Yes, being complied with.
2	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Yes, being 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.	Shall be complied with.
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.	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.	Being complied with.
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	Being complied with.
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	Complied.

	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.	
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 <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . 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.	Advertisement done. Details of advertisements are as follows. 1. "The Daily Thanthi" dated 20-02-2014 2. "The Hindu" dated 20-02-2014  Copy of the advertisements attached as Annexure-2.
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 with
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.	Shall be complied with
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.	Shall be complied with
14	The environmental statement for each financial year ending 31 <sup>st</sup> 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.	Shall be complied with

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