


# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** IA/KL/MIS/10910/2001

## 1. Name of the Entity / Corporate Office :

File No. :	J-16011/26/2001-IA-III	Proposal Name :	Construction of LNG Import Terminal at Puthuvypeen Island, Kochi, Kerala
Date Of EC. :	13 Mar 2006	EC Letter :	
Name of the Entity / Corporate Office :	PETRONET LNG LIMITED (PLL)	Email Address :	peterfernandes@petronetlng.in
Address :	1st Floor, World Trade Center, Babar Road, Barakhamba Lane, New Delhi	Mobile No :	9999016499

## 2. Proponent Details :

Proponent Name :	Yogananda	Designation :	Chief General Manager and Vice President
Telephone No :	0484-2502259	Mobile No :	+91 9048844443
Fax No :	0484-	Email Address :	yoganandareddy@petronetlng.in
Website :	www.petronetlng.in	Pin Code :	682508
State :	Kerala	District :	Ernakulam
Village/Town :			

## 3. Compliance Letter/Report (Proponent):

Compliance Period :	2023 / 01 Jun (01 Oct - 31 March)	Compliance Submission Date :	30 May 2023 16:24:24:350
Remarks :			
Site Visit Report :	N/A	Site Visit Date :	N/A
ATR Report :	N/A	ATR Date :	N/A
Additional Attachment (If Any) :	N/A	Additional Remarks (If Any) :	



## 4. Summary Status of Compliance :

Total Condition :	64		
Complied :	64	Being Complied :	0
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	0		

## 5. Details of Production and Project Area :




Date of Commencement of Project/Activity :	20 Aug 2013	Project Area as Per EC Granted (In Case of Mine Lease):	33.4	
Actual Project Area(In Case of Mine Lease):	33.4			
<b>PRODUCTION CAPACITY :</b>				
S.No	Name of the Product	Units	As per EC granted	Production during last financial year
1	LNG	Tons per Annum (TPA)	5 MMTPA	0.93
2	LNG	Tons per Annum (TPA)	5 MMTPA	1.04 MMTPA

## 6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	All conditions stipulated in the clearance letter dated 2nd June, 2003 should be strictly implemented. Also, all conditions stipulated by the State Coastal Zone Management Authority vide their letter No.1 143/A212005/STED, dated 14th October, 2005 should be complied.	Complied	Letter No. 4215/B1/2000/STE dated 9th February 2001 does not specify any conditions for compliance. Conditions mentioned in the Letter No.1143/A2/2005/ dated 14.10.2005 from KCZMA are complied		
2	The budget allocated for environment safeguard measures should not be diverted for any other purpose.	Complied	Budget allocated for environment safeguard will not be diverted for other purposes. Environment expenses for FY 2021-22 was submitted along with Half yearly compliance report up to March 2022.	N/A	
3	No Objection Certificate/consent should be obtained from the Kerala State Pollution Control Board for the enhanced LNG capacity at the terminal, before initiating the project.	Complied	Consent to Establish (CTE) with No. PCB/NOC/EK/117/ dated 17th September, 1999 obtained from PCB before starting the project construction and the CTE was subsequently renewed.		

4	The project proponent should ensure that all necessary precautions including installation of Full-containment - Type LNG tank with concrete roof as indicated in the risk analysis report should be implemented.	Complied	PLL has built two LNG storage tanks, both the tanks are of Full-containment type with concrete roofing.	N/A	
5	Based on the risk analysis, Disaster Management Plan should be prepared and submitted to this Ministry within 6 months.	Complied	EIA with QRA and site emergency response plan (ERDMP) submitted to MoEF&CC vide letter dated 22nd September-2011 w.r.t. EAC recommendations.	N/A	
6	The comprehensive Environmental Impact Assessment report which is under preparation should be completed early and the final report submitted to this Ministry within one year,	Complied	Comprehensive EIA for 2.5 MMTPA Terminal capacity was submitted at MoEF&CC on 16th February-2001. EIA, QRA and Site emergency response plan (ERDMP) were submitted at MoEF&CC on 22nd September-2011.	N/A	
7	The project proponent should ensure that no additional dredging/expansion or regasification plant will be undertaken for the above project.	Complied	PLL will not undertake additional dredging / expansion of regasification plant without approval of MOEF&CC. Dredging operation is completed and maintenance dredging is being carried out by CoPT.	N/A	
8	The budget allocated for environment safeguard measures should not be diverted for any other purpose.	Complied	Budget allocated for environment safeguard will not be diverted for other purposes. Environment expenses for FY 2022-23 is submitted here.	N/A	
9	All conditions stipulated in the clearance letter dated 2nd June, 2003 should be strictly implemented. Also, all conditions stipulated by the State Coastal Zone Management Authority vide their letter No.1 143/A212005/STED, dated	Complied	Letter No. 4215/B1/2000/STE dated 9th February 2001 does not specify any conditions for compliance. Conditions mentioned in the Letter	N/A	



	14th October, 2005 should be complied.		No.1143/A2/2005/ dated 14.10.2005 from KCZMA are complied.		
10	Based on the risk analysis, Disaster Management Plan should be prepared and submitted to this Ministry within 6 months.	Complied	EIA with QRA and site emergency response plan (ERDMP) submitted to MoEF&CC vide letter dated 22nd September-2011 w.r.t. EAC recommendations.	N/A	
11	No Objection Certificate/consent should be obtained from the Kerala State Pollution Control Board for the enhanced LNG capacity at the terminal, before initiating the project.	Complied	Consent to Establish (CTE) with No. PCB/NOC/EK/117/ dated 17th September, 1999 obtained from PCB before starting the project construction and the CTE was subsequently renewed.	N/A	
12	The project proponent should ensure that no additional dredging/expansion or regasification plant will be undertaken for the above project.	Complied	PLL will not undertake additional dredging / expansion of regasification plant without approval of MOEF&CC. Dredging operation is completed and maintenance dredging is being carried out by CoPT.	N/A	
13	The project proponent should ensure that all necessary precautions including installation of Full-containment - Type LNG tank with concrete roof as indicated in the risk analysis report should be implemented.	Complied	PLL has built two LNG storage tanks, both the tanks are of Full containment type with concrete roofing.	N/A	
14	The comprehensive Environmental Impact Assessment report which is under preparation should be completed early and the final report submitted to this Ministry within one year,	Complied	Comprehensive EIA for 2.5 MMTPA Terminal capacity was submitted at MoEF&CC on 16th February-2001. EIA, QRA and Site emergency response plan (ERDMP) were submitted at	N/A	

			MoEF&CC on 22nd September 2011.		
15	All conditions stipulated in the clearance letter dated 2nd June, 2003 should be strictly implemented. Also, all conditions stipulated by the State Coastal Zone Management Authority vide their letter No.1 143/A212005/STED, dated 14th October, 2005 should be complied.	Complied	Letter No. 4215/B1/2000/STE dated 9th February 2001 does not specify any conditions for compliance. Conditions mentioned in the Letter No.1143/A2/2005/ dated 14.10.2005 from KCZMA are complied.		
16	The budget allocated for environment safeguard measures should not be diverted for any other purpose.	Complied	Budget allocated for environment safeguard will not be diverted for other purposes. Environment expenses for FY 2022-23 is submitted here.		
17	The budget allocated for environment safeguard measures should not be diverted for any other purpose.	Complied	Budget allocated for environment safeguard will not be diverted for other purposes. Environment expenses for FY 2022-23 is submitted here.		

## 7. General Conditions (Proponent) :


S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	For employing unskilled, semi-skilled and skilled workers for the project, preference shall be given to local people.	Complied	During the project, PLL had given preference to locals by employing unskilled, semi-skilled and skilled worker wherever possible based on their qualification and merits.	N/A	
2	The project affected people, if any should be properly compensated and rehabilitated	Complied	No people affected directly as the project was on uninhabited land.	N/A	
3	A separate Environment Management Cell with suitably qualified staff to carry out various environment issues should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.	Complied	PLL has set up an Environment Management Cell (EMC) under Chief General Manager & Vice President (Plant Head) with members from	N/A	

			plant departments.		
4	To prevent discharge of sewage and other liquid wastes into the water bodies, adequate system for collection and treatment of the wastes must be provided. No sewage and other liquid wastes without treatment should be allowed to enter into the water bodies.	Complied	STP and septic tanks are provided for treating sewages from buildings. No sewage or waste from PLL are allowed to enter in water bodies. Treated water from STP is used for gardening purpose.	N/A	
5	The recommendations made in the Environment Management Plan and Disaster Management Plan, as contained in the Environmental Impact Assessment and Risk Analysis Reports of the project shall be effectively implemented.	Complied	All the recommendations are implemented.	N/A	
6	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year wise expenditure on environmental safeguards should be reported to this Ministry.	Complied	The fund earmarked for environment management is included in the budget and will not be diverted for other purposes. Environment expenses for FY 2021-22 is submitted along with HYCR for Oct21-Mar22.	N/A	
7	Full support should be extended to the officers of this Ministry's Regional Office at Bangalore and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigation measures and other environmental protection activities.	Complied	PLL extend its full support to the officers of this ministry's Regional Office, Bengaluru and the officers of the Central and State Pollution Control Board during the inspection for monitoring purpose	N/A	
8	In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. The project proponents should be responsible for implementing	Complied	PLL has not carried out any deviation or alteration in the project. PLL will comply with this requirement and will take permit from the Ministry prior to any deviation,	N/A	

	the suggested safeguard measures.		alteration and modification.		
9	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Complied	Noted. PLL will abide by all Environment clearance conditions.	N/A	
10	This Ministry or any other competent authority may stipulate any additional conditions subsequently, if deemed necessary for environmental protection, which shall be complied with.	Complied	PLL will comply with additional conditions, if any suggested by the ministry or any other competent authority in writing.	N/A	
11	Necessary navigational aids such as channel markers should be provided to prevent accidents. internationally recognized safety standards shall be applied in case of barge/vessel movements	Complied	All the navigation related requirements are maintained by Cochin Port Trust.	N/A	
12	The project authorities should take appropriate community development and welfare measures for villagers in the vicinity of the project site, including drinking water facilities. A separate fund should be allocated for this purpose.	Complied	CSR projects are being undertaken by PLL for community development and welfare in nearby villages using a separate CSR fund. CSR report & expenditures during the period, April to September attached.		
13	A well-equipped laboratory with suitable instruments to monitor the quality of air and water shall be set up as to ensure that the quality of ambient air and water conforms to the prescribed standards. The laboratory will also be equipped with qualified manpower including a marine biologist so that the marine water quality is regularly monitored in order to ensure that the marine life is not adversely affected as a result of implementation of the said project. The quality of ambient air and water	Complied	A laboratory with equipment's for water quality analysis and qualified employees is in place. Air quality monitoring is carrying out with the help of a PCB approved third party lab. Reports attached.		
14	The Project proponents should 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	PLL had informed the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project vide letter dated 5th	N/A	

			Sept-2008,from Director(Technical)		
15	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Committee and may also be seen at Website of the Ministry of Environment & Forests at <a href="http://www.envforin.in">http://www.envforin.in</a> . The advertisement should be made within 7	Complied	Advertised in two local newspapers widely circulated in the region around the project. Copy of advertisement submitted along with the six-monthly compliance report dated 30th September-2013.	N/A	
16	Adequate provisions for infrastructure facilities such as water supply, fuel for cooking, sanitation, etc. must be provided for the laborers during the construction period in order to avoid damage to the environment, Colonies for the laborers should not be located in the Coastal Regulation Zone area. It should also be fuel wood purpose.	Complied	During construction, PLL has provided adequate infrastructure facilities such as water supply, fuel for cooking, sanitation, etc. to the labourers. Labour colonies were not located in CRZ area.	N/A	
17	Construction of the proposed structure should be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification, 1991 and its amendments. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments/Agencies.	Complied	Terminal construction was carried out as per applicable central & local regulations like KSPCB, PESO, F&B, Fire dept., KCZMA etc. All the statutory approvals are submitted with HYCR dated 05.04.2013.	N/A	
18	Appropriate facility should be created for the collection of solid and liquid wastes generated by the barges/vessels and their safe treatment and disposal should be ensured to avoid possible contamination of the water bodies	Complied	Wastes generated by vessels and tugs are handled & disposed by them as per the guidelines of Annex V of Marpol (IMO). We have already submitted related details with HYCR 5-4-2013	N/A	
19	The dredging operations to be undertaken with the prior approval of this Ministry, shall be executed with appropriate safeguard measures to prevent turbidity conditions	Complied	Dredging approval has been taken from MoEF&CC vide their order No. J-16011/26/2001-	N/A	






	in consultation with the expert agencies such CWPRS/NIO.		IA-III dated 16th November-2010. Dredging completed & maintenance dredging is carrying out by ensuring all safeguards.		
20	The proponent shall ensure that as a result of the proposed constructions, ingress of the saline water into the groundwater does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.	Complied	Ground water wells are installed for ground water quality monitoring. Ground water analysis report is attached.		
21	Handling, manufacturing, storage and transportation of all hazardous chemicals should be carried out in accordance with MSIHC Rules, 1989 and subsequent amendments. All approvals from State and Central nodal agencies including OISD, Chief Controller of Explosives, Chief Inspectorate of Factories must be obtained. A comprehensive contingency plan in collaboration with the concerned authorities must be formulated before commissioning of the project to meet any eventuality in case of an accident	Complied	Plant operations being carried out in accordance with all applicable regulations. All the approvals and licenses obtained from statutory bodies were submitted with HYCR dated 5-4-2013.	N/A	
22	The quarrying material required for the construction purpose shall be obtained only from the approved quarries/borrow areas. Adequate safeguard measures shall be taken to ensure that the overburden and rocks at the quarry site do not find their way into water bodies.	Complied	Quarrying material was sourced from Government approved quarries during terminal construction. Details regarding this are submitted with six monthly compliance reports dated on 05th April 2013.	N/A	
23	For employing unskilled, semi-skilled and skilled workers for the project, preference shall be given to local people.	Complied	During the project, PLL had given preference to locals by employing unskilled, semiskilled and skilled worker wherever possible based on their qualification and merits.	N/A	
24	The Project proponents should inform the Regional Office as well as the Ministry the date of financial closure	Complied	PLL had informed the Regional Office as well as the Ministry	N/A	

	and final approval of the project by the concerned authorities and the date of start of Land Development Work.		regarding the date of financial closure and final approval of the project vide letter dated 5th Sept-2008.		
25	The project affected people, if any should be properly compensated and rehabilitated	Complied	No people affected directly as the project was on uninhabited land.	N/A	
26	Full support should be extended to the officers of this Ministry's Regional Office at Bangalore and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigation measures and other environmental protection activities.	Complied	PLL extend its full support to the officers of this ministry's Regional Office, Bengaluru and the officers of the Central and State Pollution Control Board during the inspection for monitoring purpose	N/A	
27	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Complied	Noted. PLL will abide by all Environment clearance conditions.	N/A	
28	This Ministry or any other competent authority may stipulate any additional conditions subsequently, if deemed necessary for environmental protection, which shall be complied with.	Complied	PLL will comply with additional conditions, if any suggested by the ministry or any other competent authority in writing.	N/A	
29	Adequate provisions for infrastructure facilities such as water supply, fuel for cooking, sanitation, etc. must be provided for the laborers during the construction period in order to avoid damage to the environment, Colonies for the laborers should not be located in the Coastal Regulation Zone area. It should also be fuel wood purpose.	Complied	During construction, PLL has provided adequate infrastructure facilities such as water supply, fuel for cooking, sanitation, etc. to the labourers. Labour colonies were not located in CRZ area.	N/A	
30	A separate Environment Management Cell with suitably qualified staff to carry out various environment issues should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.	Complied	PLL has set up an Environment Management Cell (EMC) under Chief General Manager & Vice President (Plant Head) with members from plant departments.	N/A	
31	The project authorities should take appropriate community	Complied	CSR projects are being undertaken	N/A	

	development and welfare measures for villagers in the vicinity of the project site, including drinking water facilities. A separate fund should be allocated for this purpose.		by PLL for community development and welfare in nearby villages using a separate CSR fund. CSR report & expenditures during the period, Oct 2022 to Mar 2023 attached.		
32	In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. The project proponents should be responsible for implementing the suggested safeguard measures.	Complied	PLL has not carried out any deviation or alteration in the project. PLL will comply with this requirement and will take permit from the Ministry prior to any deviation, alteration and modification.	N/A	
33	To prevent discharge of sewage and other liquid wastes into the water bodies, adequate system for collection and treatment of the wastes must be provided. No sewage and other liquid wastes without treatment should be allowed to enter into the water bodies.	Complied	STP and septic tanks are provided for treating sewages from buildings. No sewage or waste from PLL are allowed to enter in water bodies. Treated water from STP is used for gardening purpose.	N/A	
34	A well-equipped laboratory with suitable instruments to monitor the quality of air and water shall be set up as to ensure that the quality of ambient air and water conforms to the prescribed standards. The laboratory will also be equipped with qualified manpower including a marine biologist so that the marine water quality is regularly monitored in order to ensure that the marine life is not adversely affected as a result of implementation of the said project. The quality of ambient air and water	Complied	A laboratory with equipment's for water analysis and qualified employees is in place. Water & Air quality monitoring is carrying out with the help of a PCB approved third party lab and reports attached	N/A	
35	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year wise expenditure on environmental safeguards should be reported to this Ministry.	Complied	The fund earmarked for environment management is included in the budget and will not be diverted for other purposes. Environment expenses for FY	N/A	

			2022-23 is submitted here.		
36	The quarrying material required for the construction purpose shall be obtained only from the approved quarries/borrow areas. Adequate safeguard measures shall be taken to ensure that the overburden and rocks at the quarry site do not find their way into water bodies.	Complied	Quarrying material was sourced from Government approved quarries during terminal construction. Details regarding this are submitted with six monthly compliance reports dated on 05th April 2013.	N/A	
37	The recommendations made in the Environment Management Plan and Disaster Management Plan, as contained in the Environmental Impact Assessment and Risk Analysis Reports of the project shall be effectively implemented.	Complied	All the recommendations are implemented.	N/A	
38	Necessary navigational aids such as channel markers should be provided to prevent accidents. internationally recognized safety standards shall be applied in case of barge/vessel movements	Complied	All the navigation related requirements are maintained by Cochin Port Trust.	N/A	
39	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Committee and may also be seen at Website of the Ministry of Environment & Forests at <a href="http://www.envforin.in">http://www.envforin.in</a> . The advertisement should be made within 7	Complied	Advertised in two local newspapers widely circulated in the region around the project. Copy of advertisement submitted along with the six monthly compliance report dated 30th September 2013.	N/A	
40	Appropriate facility should be created for the collection of solid and liquid wastes generated by the barges/vessels and their safe treatment and disposal should be ensured to avoid possible contamination of the water bodies	Complied	Wastes generated by vessels and tugs are handled & disposed by them as per the guidelines of Annex V of Marpol (IMO). We have already submitted related details with HYCR 5-4-2013.	N/A	
41	The dredging operations to be undertaken with the prior approval of this Ministry, shall be executed with appropriate safeguard measures to	Complied	Dredging approval has been taken from MoEF&CC vide their order No.	N/A	

	prevent turbidity conditions in consultation with the expert agencies such CWPRS/NIO.		J16011/26/2001-IA-III dated 16th November 2010. Dredging completed & maintenance dredging is carrying out by ensuring all safeguards.		
42	The proponent shall ensure that as a result of the proposed constructions, ingress of the saline water into the groundwater does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.	Complied	This was ensured during construction stage. At present, ground water wells are installed for ground water quality monitoring. Latest ground water analysis report is attached.	N/A	
43	Construction of the proposed structure should be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification, 1991 and its amendments. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments/Agencies.	Complied	Terminal construction was carried out as per applicable central & local regulations like KSPCB, PESO, F&B, Fire dept., KCZMA etc. All the statutory approvals are submitted with HYCR dated 05.04.2013.	N/A	
44	Handling, manufacturing, storage and transportation of all hazardous chemicals should be carried out in accordance with MSIHC Rules, 1989 and subsequent amendments, All approvals from State and Central nodal agencies including OISD, Chief Controller of Explosives, Chief Inspectorate of Factories must be obtained. A comprehensive contingency plan in collaboration with the concerned authorities must be formulated before commissioning of the project to meet any eventuality in case of an accident	Complied	Plant operations being carried out in accordance with all applicable regulations. All the approvals and licenses obtained from statutory bodies were submitted with HYCR dated 5-4-2013.	N/A	
45	A well-equipped laboratory with suitable instruments to monitor the quality of air and water shall be set up as to ensure that the quality of ambient air and water conforms to the prescribed standards. The laboratory will also be equipped with qualified manpower including a marine biologist so that the	Complied	A laboratory with equipment's for water analysis and qualified employees is in place. Water & Air quality monitoring is carrying out with the help of a PCB approved third		

	marine water quality is regularly monitored in order to ensure that the marine life is not adversely affected as a result of implementation of the said project. The quality of ambient air and water		party lab and reports attached		
46	The proponent shall ensure that as a result of the proposed constructions, ingress of the saline water into the groundwater does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.	Complied	This was ensured during construction stage. At present, ground water wells are installed for ground water quality monitoring. Latest ground water analysis report is attached.		
47	The project authorities should take appropriate community development and welfare measures for villagers in the vicinity of the project site, including drinking water facilities. A separate fund should be allocated for this purpose.	Complied	CSR projects are being undertaken by PLL for community development and welfare in nearby villages using a separate CSR fund. CSR report & expenditures during the period, Oct 2022 to Mar 2023 attached		
<input checked="" type="checkbox"/> I ' PETRONET LNG LIMITED (PLL) ' hereby give undertaking that the specific / general condition is entered by me is correct.					

**E-Sign**  
**PETRONET LNG LIMITED (PLL)**  
**Date : 30 May 2023 16:24:24:350**

**\*\*Note : N/A - Not Available**

**PRINT**