

COMPLIANCE REPORT TO YOUR ORDER DT. 31st JANUARY 2013

Environmental Clearance for enhancing the re-gasification capacity from 2.5 to 5 MMTPA at Puthuvypeen Island, Kochi, Kerala by M/s Petronet LNG Ltd.

Point-wise compliance to stipulated terms and conditions of the above EC & CRZ Clearance is as follows:

5.	SPECIFIC CONDITIONS	PLL Remark
i..	“Consent for Establishment” shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	“Consent to Establish” is obtained from KSPCB. Consent No. PCB/HO/EKM/ICE-R/03/2013. A copy of the same has already submitted with six monthly compliance report is dated 30 th September-2013.
ii.	NOC/Clearance shall be obtained confirming that all the fire fighting provisions are as per standards specified by the Chief Controller of Explosives/Petroleum &, Explosives Safety Organization (PESO) for the additional storage tanks.	No additional LNG storage tank is envisaged for this enhancement. Approval of PESO for existing LNG Storage Tanks has already submitted with six monthly compliance reports dated 05/04/2013.
iii.	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. State of art fully automated FGS & shutdown system is installed to mitigate any such incident.
iv	Appropriate safety devices such as masks should be provided for use by the workers handling the products at the site and their usage by them should be ensured.	Complied. Safety Helmet, Safety Shoes, Safety Goggles are provided to all workers and Dust mask are provided to the worker for such activities involving dust generation.
V	Project proponent should implement all the recommendations stipulated in the EAI, EMP and Risk Assessment reports pertaining to the project.	PLL is complying with all the recommendation in the Environment Management plan and Disaster Management plan as contained in the EIA and Risk Analysis report of the Project.
Vi	The commitments made during the Public Hearing and as recorded in the Minutes shall be complied with letter and spirit.	Noted. Public Hearing commitments are incorporated in Final EIA Report for further necessary implementation.
Vii	All the conditions stipulated in the earlier Clearance including the recommendations	Complied.

	of Environment Management Plan, Disaster Management Plan shall be strictly complied with.	All the conditions stipulated in the earlier clearance including the recommendations of EMP and DMP are strictly complied.
Viii	The Committee noted the proponent's statement that augmentation of the capacity from 2.5 MMTPA to 5.0 MMTPA will not induct additional environmental issues and that the planned system will take care of the overall requirements of the facility. However, impacts if any arising out of increased activities to meet the additional capacity shall be brought to the notice of the Ministry with appropriate mitigation measures that will be put in place, to ensure that the given commitment of 'no additional impact' is maintained in letter and spirit.	Noted. However, Augmentation of the capacity from 2.5 MMPTA to 5.0 MMTPA will not induct additional environmental issues.
Ix	At least 5% of the total cost of the project shall be earmarked towards the Corporate Social Responsibility (CSR) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry prior to the commencement of the project. Implementation of such program shall be ensured accordingly in a time bound manner.	5% of the total cost of augmentation of the capacity from 2.5 MMTPA to 5.0 MMTPA project is earmarked towards community development and other infrastructure related as well as CSR projects. PLL is carrying out community development and welfare measures for villagers like Construction of Immunization centre at Primary Health Centre, Installation of Solar Powered High Mast lights etc. Total cost spent on CSR activity was Rs 2.54 Crore for year 2013-2014.
X	It shall be ensure that the proposed activity shall not cause any disturbance to the Fishing activity.	The proposed augmentation/enhancement of plan capacity do not involve any modification in current marine facilities. Hence will not cause disturbance to fishing activity.
Xi	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. Computerized SCADA (Supervisor Control And Data Acquisition) system is installed and FGS (Flame, Gas and Spill) detection system is also installed. Also ESD

		(Emergency Shutdown system) is installed for safe shutdown in case of any emergency.
Xii	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. The pipeline is equipped with temperature and pressure sensor which will cause alarm, if any abnormality is recorded. Also, pipeline is regularly guarded with relevant safety detectors for early sensing of any kind of leak, thus causing alarm and shutdown.
Xiii	The project shall be carried out as per international standards in vogue and duly certified by competent authorities before commissioning.	Noted. The project execution is carried out with international and national standards. All installed equipment are inspected and certified by competent third party or by competent authorities as per requirements.
Xiv	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.	Contingency plan is formulated to take care of the eventualities. We have already submitted with last six monthly compliance reports on dated 05/04/2013. No oily waste will be discharged in to water bodies/mangrove areas. Oily waste will be collected and send to Hazardous waste handling agency. We have entered in to agreement with KEIL (Kerala Enviro Infrastructure Ltd) for handling and treatment of our Hazardous waste and M/s CEE JEE Lubricants for disposal of waste oil, details regarding the agreement has already been submitted with compliance report dated 30 th September-2013.
Xv	Regular mock drills shall be conducted to check the effectiveness of the on-site Disaster Management Plan. The recommendations	Regular mock drills are being conducted internally for on-site scenarios. Mutual aid or Off-site scenario mock drill will

	made in the Environmental Management Plan and Disaster Management Plan, as contained in the Environment Impact Assessment and Risk Analysis reports of the project, should be effectively implemented.	be conducted in coordination with all relevant agencies as per the ERDMP. PLL has signed Mutual Aid agreement in between FACT-UD and BPCL-STF to provide resources during emergency. All recommendations made in the Environmental Management Plan and Disaster Management Plan, as contained in the Environment Impact Assessment and Risk Analysis reports of the project are covered while preparation of ERDMP (Emergency Response and Disaster Management Plan) and environment monitoring plan and effectively implemented.
xvi	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Noted.
Xvii	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.	PLL has set up Environment Management Cell under a General Manager – (Operation & Maintenance). PLL have recruited qualified personnel in HSE department & Laboratory Operation Department for Environment monitoring.
xviii	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Budget allocated for environment safeguard will not be diverted for other purposes.

6.	GENERAL CONDITIONS	PLL Remark
I	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Noted. PLL is taking appropriate measure while undertaking digging activities. We conduct ground water analysis report for the month of December -13 is enclosed as Annexure#1 .

ii	Full support shall be extended to the officers of this Ministry/Regional Office at Bengaluru 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.	PLL will extend full support to the officers of this ministry's Regional Office, Bangalore and the officers of the Central and State Pollution Control Board during the inspection for monitoring purpose. PLL will furnish full details of analysis reports and action plans for environmental protection
iii	A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.	Noted. Six monthly reports are being regularly submitted to regional MoEF office for all EC & CRZ Clearance obtained for Kochi LNG Terminal project.
iv	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	PLL will comply with additional conditions, if any suggested by the ministry or any other competent authority in writing.
V	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	PLL is aware about the right of the ministry and have noted this condition.
Vi	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.
Vii	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.	Site appraisal clearance obtained on 28/02/2011. No separate land developmental work was required, as this involved only augmentation of equipment in the same land.
Viii	A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.	PLL has written letter to concerned Gram Panchayat vide letter no. PLL/Kochi/MoEF/GP/2013/001 dated 07/03/2013, We have already submitted the copy of the letter with six monthly compliance reports on dated 05/04/2013.
ix	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's office for 30 days.	State Pollution control board action.

Other Conditions mentioned in the Environment Clearance dated 31st January 2013.

7.	These stipulation's 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.	Noted.
8	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.	Noted. Copy relevant approvals/NOCs were already submitted with six monthly compliance reports on dated 05/04/2013.
9	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 Kerala 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 Bengaluru.	PLL had advertised regarding environmental clearance accorded by the Ministry of Environment & Forest in two local newspapers widely circulated in the region around the project. We have submitted a copy of notification published in local newspapers with the six monthly compliance report dated 30 th September-2013.
10	This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Noted.
11	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Status of the compliance of the various stipulated environmental conditions and environmental safeguards is uploaded in PLL website.
12	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
13	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat,	PLL has written letter to concerned Gram 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.	vide letter no. PLL/Kochi/MoEF/GP/2013/001 dated 07/03/2013, we have already submitted a copy of the letter with six monthly compliance report dated 05/04/2013.
14	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.	This is uploaded in the website. www.petronetlng.com .
15	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.	Noted.
16	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 Offices of MoEF by e-mail.	Form-V (Environment Statement) will be uploaded to website of the company along with the status of compliance of clearance conditions, and compliance of the clearance condition will be sent by e-mail to MoEF regional office.