

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 valid up to 30/6/2014. A copy is attached as Annexure#1.
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 is We have already submitted with last six monthly compliance reports on dated 05/04/2013. Find enclosed as Annexure# 2.
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. We have submitted item-wise details along with the time bound action plan vide letter No. PLL/KOCHI/MOEF/2012-13/C-06 dated 22 nd March, 2013 (Annexure# 3).
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 (enclosed Annexure#4).
Xv	Regular mock drills shall be conducted to check the effectiveness of the on-site Disaster Management Plan. The 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, should be effectively implemented.	Regular mock drills are being conducted internally for on-site scenarios. Mutual aid or Off-site scenario mock drill will 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 – Technical. 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. Ground water analysis report for the months of April-13 to August-13 is enclosed as Annexure#5 .
li	Full support shall be extended to the officers of this Ministry/Regional Office at Bangaluru 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, Banglore 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 Bangaluru 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 with last six monthly compliance reports on dated 05/04/2013. Copy of letter enclosed as Annexure#6 .
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.
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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 last six monthly compliance reports on dated 05/04/2013. Enclosed again for records as Annexure#7 .
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 Bangaluru.	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. A copy of notification published in local newspapers is attached as Annexure# 8 .
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, 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.	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 with last six monthly compliance reports on dated 05/04/2013. Copy of letter enclosed as Annexure#6 .
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	This is uploaded in the website. www.petronetlng.com .

	same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	
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 alongwith the status of compliance of clearance conditions, and compliance of the clearance condition will be sent by e-mao; to MoEF regional office.



FILE NO. - PCB/HO/EKM/CE/74/05



KERALA STATE POLLUTION CONTROL BOARD

INTEGRATED CONSENT TO OPERATE

UNDER

The Water (Prevention & Control of Pollution) Act 1974

The Air (Prevention & Control of Pollution) Act 1981&

The Environment (Protection) Act 1986

TO

Consent no: PCB/HO/EKM/ICO/40/2013

**Petronet LNG Limited
Puthuvyppu P. O
Ernakulam- 682 508**

Date: 05.08.2013 Validity: 31/03/2015

Copy to:

1. The Chief Environmental Engineer, Regional Office, Ernakulam
2. The Senior Environmental Engineer, District Office-1, Ernakulam
3. The Secretary, Elamkunnapuzha Grama Panchayath, Ernakulam
4. Stock file





1. GENERAL

1	Validity	31/03/2015
2	Name and address of establishment	Petronet LNG Limited Puthuvyppu P. O Ernakulam- 682 508
3	Communication	Telephone : 0484-2502259 Fax : 0484-2502264 e-mail : diritech@petronetlng.com Website : www.petronetlng.com
4	Occupier details	Sri. Rajendar Singh Director (Technical)
5	Survey Number	347
6	Village	Puthuvypeen
7	Taluk	Kochi
8	District	Ernakulam
9	Local body	Elamkunnapuzha Grama Panchayath
10	Category	Orange
11	Capital Investment	` 4190.67 crores
12	Scale	Large
13.	Annual Fee	` 33,52,536/-
14	Fee remitted	` 33,52,536/- (one year fee adjusted from ICE)
15	Water consumption	37 m ³ /day
16	Effluent generation	20 m ³ /day
17	Date of application	12/04/2013
18	Date of clarification	20/05/2013 & 20/07/2013
19	Date of enquiry	17.05.2013
20	Activity	LNG re-gasification facility of capacity 5 MMTPA Occupational health centre





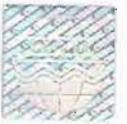
1. GENERAL CONDITIONS

- 2.1. This consent is granted subject to the power of the Board to review and make variation in all or any of the conditions.
- 2.2 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.
- 2.3 For renewal of the consent, application in the prescribed form shall be submitted to the Board in the third month before the date of expiry of the consent.
- 2.4 No change or alteration of the industrial plant is to be made without prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/authorised agent is to be intimated to the Board forthwith.
- 2.5 In case of discharge / apprehended discharge of any water / air pollutant or hazardous waste due to any accident or other unforeseen act or event, it shall be immediately intimated to the Board and the consentee / authorisee shall make all possible efforts to mitigate / prevent / remediate the discharge/emission.

3. CONDITIONS AS PER The Water (Prevention & Control of Pollution) Act

- 3.1 The proposed sewage treatment plant consisting of treatment units such as screen chamber, oil & grease trap, sewage equalisation tank, primary settling tank, aeration tank, closing tank, secondary settling tank, treated sewage tank, multigrade filter, activated carbon filter & treated water tank shall be completed & commissioned before commissioning the administrative block & canteen facilities. The mode of disposal of the treated effluent shall be informed before commissioning the plant. Sewage from the existing facility shall be treated in septic tank soak pit system.
- 3.2 Condensate water from air heaters shall be effectively utilised. Proposal for utilisation shall be furnished.
- 3.3 There shall be easy access to each and every effluent treatment unit and the final outlet for inspection and drawing of effluent samples.





- 3.4 Water meter shall be fixed to record consumption of water.
- 3.5 Time of Day meter shall be installed exclusively for the effluent treatment systems shall be maintained properly.
- 3.6 Arrangements shall be provided for rain water harvesting and for utilization of harvested rain water.
- 3.7 Lighting arrangements shall be provided in the effluent treatment and recycling area.
- 3.8 Natural drainage of the area shall be protected.
- 3.9 Drawing showing outlet location of sewage treatment plant shall be submitted after commissioning the STP and got approved by the Board within 3 months.

4. CONDITIONS AS PER The Air (Prevention & Control of Pollution) Act

- 4.1. Emission characteristics shall not exceed the following:

Sl. No.	Chimney No.	Source of emission	Height (above ground level)	Air pollution control measures	Parameter in mg/Nm ³	
1.	FS-1	Flare stack	43.2 m	--		
2.	S-1 & S-2	Gas Turbine Generator GTG-A	21.50 m each	--	NOx	450
3.	S-3 & S-4	GTG-B	21.50 m each	--	NOx	450
4.	S-5 & S-6	GTG-C	21.50 m each	--	NOx	450
5.	E-1	Emergency DG set	12.7 m	Acoustic enclosure		--
6.	V-1	SCV Stack	12 m	--		--
7.	FP1, FP-2, FP-3 & FP-4	Fire pumps (Diesel operated)	14.5 m	--		--
8.	MSO-1	MSO compressors	7 m	--		--

- 4.2. There shall not be any fugitive emission from the premises.
- 4.3. Record, of type, quantity and purpose of consumption of fuel shall be maintained and abstract shall be submitted to the Board along with emission monitoring report.





- 4.4. Minimum of three ambient air quality monitoring stations shall be maintained in and around the premises of the factory and the records of such monitoring shall be submitted to the Board as and when called for.
- 4.5. One ambient air quality monitoring facility shall be provided and maintained.
- 4.6. Stacks shall be fitted with port hole and plat form cum ladder to facilitate monitoring of emissions.
- 4.7. The suspended particulate matter at the boundary of the premises shall not exceed the standards applicable for the adjoining area.
- 4.8. The sound level measured 1 m outside the boundary of the premises shall not exceed the sound level applicable for the adjoining area.
- 4.9. All operations likely to produce dust or noise shall be carried out within sufficiently closed and insulated premises.

**5. CONDITIONS AS PER
The Hazardous Wastes (Management, Handling and
Transboundary Movement) Rules, 2008**

- 5.1. Activities for which Authorisation is granted:

Collection	√	Transportation	√
Reception	--	Storage	√
Treatment	--	Disposal	√

- 5.2. (i) Type, quantity and mode of storage/collection/treatment/disposal of hazardous wastes shall be as follows:

Sl. No.	Type of waste	Schedule Category	Quantity	Mode of	
				Storage	Disposal
1.	Used oil	I 5.1	2 kl/y	Stored in plastic or steel drums kept in an area having impervious flooring and proper roofing	By sale or transfer to an operator having facility and possessing valid authorisation/ valid registration as recycler / re-refiner from the State Board
2.	Waste residue containing oil	I 5.2	500 kg/y		





3.	Industrial use of paints, plastic & ink waste	I 21.1	500 kg/y	Closed leak proof containers in a shed having concrete flooring and proper roofing	Through KEIL, Ambalamedu, Kochi
4.	Barrels and containers used for handling of hazardous wastes / chemicals	I 33.3	500 kg/y		

(ii) The location of the hazardous waste storage site shall be made known by display board at the site. The premises of the disposal site shall be kept clean.

5.3 Labelling and Transportation

(a) All hazardous waste containers shall be provided with a general label as given in **Form 12**.

(b) Hazardous waste manifest in **Form 13** shall be got prepared in set of six (all six copies to be signed by the transporters) and retained/ transported as indicated below:

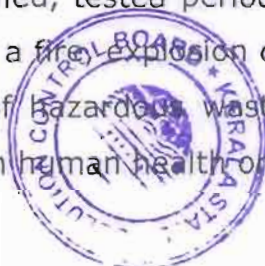
Copy number with colour code	Purpose
Copy 1 (white)	To be forwarded by the occupier to the State Pollution Control Board
Copy 2 (yellow)	To be retained by the occupier after taking signature on it from the transporter and the remaining four copies to be carried by the transporter
Copy 3 (pink)	To be retained by the operator of the facility after signature
Copy 4 (orange)	To be returned to the transporter by the operator of facility after accepting waste
Copy 5 (green)	To be returned by the operator of the facility to State Pollution Control Board after treatment and disposal of wastes
Copy 6 (blue)	To be returned by the operator of the facility to the occupier after treatment and disposal of wastes

(c) The occupier shall provide the transporter with relevant information in **Form 11** regarding the hazardous nature of the wastes and measures to be taken in case of an emergency.





- (d) Details of disposal of hazardous wastes by sale/transfer (date, quantity, name and address of the buyer) shall be recorded in a log book and produced as and when called for.
- (e) The occupier shall ensure that at the time of auction or sale of wastes, the period of validity of certificate of registration of the registered re-refiner or recycler is sufficient to reprocess the quantity of wastes being sold or auctioned to him.
- 5.4 Records of hazardous wastes generated shall be maintained in **Form-3**.
- 5.5 The occupier shall ensure that the hazardous wastes are transported to authorised recycler/facility in accordance with the provisions of these Rules.
- 5.6 The occupier shall take all steps to contain contaminant and prevent accident while handling hazardous waste.
- 5.7 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the Board.
- 5.8 Any unauthorised change in personnel, equipment and working conditions as mentioned in the application by the person authorised shall constitute a breach of this authorisation.
- 5.9 All the facility personnel must be well informed about the hazardous waste management procedure relevant to the positions in which they are employed. All the facility personnel must be trained to ensure that they are able to respond effectively to emergencies by familiarizing them with the emergency procedures, emergency equipment operations and communication or alarm systems.
- 5.10 The authorisee must comply with the provisions of the Environment (Protection) Act and the Rules made thereunder.
- 5.11 Facilities must be established, tested periodically and maintained to minimize the possibility of a fire, explosion or any unplanned sudden or non- sudden release of hazardous waste to air, soil or surface water which could threaten human health or environment.





5.12 The authorisee must develop, implement and maintain and keep upto date, a contingency plan designed to minimize hazard to human health or the environment from fires, explosions or any unplanned sudden release of hazardous waste to air, soil or water.

6. Conditions as per the Bio-Medical Wastes (Management and Handling) Rules

6.1 Activities for which Authorisation is granted:

Generation	✓	Transportation	--
Collection	✓	Treatment	✓
Reception	--	Disposal	✓
Storage	--	Any other form of handling	--

6.2 Needle destroyers shall be made available and put into use at each nursing station.

6.3 Used needles and syringes shall be mutilated to prevent reuse and then disinfected and disposed as per BMW Rules.

6.4 Type, category and method of storage/treatment/disposal of bio-medical wastes shall be as follows:

Sl. No.	Type of Waste	Category	Quantity	Method of storage	Method of treatment and Disposal
1.	Human anatomical Waste	1	--	As per schedule II of Bio-medical Waste (Management and Handling) Rules	Through IMAGE
2.	Animal waste	2	--		
3.	Microbiology and biotechnology wastes	3	--		
4.	Waste sharps	4	250 g/m		
5.	Discarded medicines	5	250 g/m		
6.	Soiled waste	6	500 g/m		
7.	Solid waste	7			





6.5 The Authorisation is subject to conditions as may be specified in the Rules from time to time under the Environment (Protection) Act, 1986.

6.6 The Bio-medical wastes shall not be stored beyond 24 h.

6.7 Records on BMW generation and disposal at the occupational health centre shall be maintained and submitted whenever called for.

7. OTHER CONDITIONS:

7.1 Used lead acid batteries, if any, shall be disposed as per the Batteries (Management and Handling) Rules 2001.

7.2 e-waste shall be disposed in an environmentally sound manner. The following details shall be submitted to the Board on or before 31st December every year.

Sl. No.	Particulars of e-waste	Quantity of e-waste disposed in previous year	Quantity of e-waste proposed to be disposed in current year	Mode of disposal

7.3 Adequate fire protection equipment in accordance with the fire safety regulations shall be established / installed at salient places within the unit and for ensuring the same, necessary certificate from Fire & Rescue Services Department shall be obtained.

7.4 Two sign boards of size 6X4 ft shall be placed near the main entrance of the plant. One board shall display important consent conditions and other shall display the latest air, water, noise, hazardous wastes and chemicals monitoring data against the standards specified.

7.5 The conditions in the clearance No. J-16011/26/2001-IA-III dated 31/01/2013 of the MoEF shall be complied with.

Date: 05.08.2013



Office Seal

SIGNATURE & NAME OF
ISSUING AUTHORITY

तार "विस्फोट", नागपुर
 Telegram: 'EXPLOSIVES', Nagpur
 Website: <http://peso.gov.in>
 Email: explosives@explosives.gov.in
 दूरभाष/ Telephone: 0712-2510248
 फैक्स/FAX: 2510577

र्यालयीन उद्देश्य, सभी पत्रादि "मुख्य विस्फोट नियंत्रण" पदनाम से भेजे जाएं, उन व्यक्तिगत नाम से नहीं।

All communications intended for this Office should be addressed to the 'Chief Controller of Explosives' and NOT to him by name.



भारत सरकार

GOVERNMENT OF INDIA

पेट्रोलियम तथा विस्फोट सुरक्षा संगठन

PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION

(पूर्व नाम- विस्फोट विभाग)

(Formerly- Department of Explosives)

"ए" ब्लॉक, पाँचवां तल, न्द्रीय र्यालय परिसर,

"A" Block, 5th Floor, CGO Complex,

सेमीनरी हिल्स, नागपुर-440 006 (महा.)

Seminary Hills, Nagpur- 440006



No. PV(SC)S-87/KL/I
 Nagpur, dated 04.02.2013

To,

M/s. Petronet LNG Limited,
 World Trade Centre,
 First Floor, Babar Road,
 Barakhamba Lane,
 New Delhi – 110 001

Sub: Permission for LNG storage, re-gassification and LNG tanker loading terminal situated at Sy.No. 347, Village Puthuvypeen, Taluk Kochi, Dist. Ernakulam (Kerala) – Regarding.

Dear Sirs,

Please refer to your letter No.ND/LNG/K-27/2K12/09 dated 28.08.2012 & ND/LNG/SRVPT/K-27/2K12/02 dated 31.12.2012

It is noted that you have fully completed the installing all the facilities for receiving, storage and regasification of LNG as well facilities for loading LNG into tankers in your LNG terminal at Sy.No. 347, Village Puthuvypeen, Taluk Kochi, Dist. Ernakulam (Kerala) as per the drawing approved vide this office letter of even no. dated 10/11/2000 & 16/12/2005.

It is also noted that the double wall, double integrity Atmospheric LNG storage tank no. T-101 & T-102 tanks (2 X 1,55,000 m³ each) have been constructed as per approved drawings and tested & certified by Third Party Inspection agency i.e. Lloyds Register in compliance to applicable standard. It is also noted that the LNG will be stored below 1.5 Kg/Cm² pressure at – 168⁰C and as such does not come under the purview of the Act and Rules administered by this Department. However, the Government of India is considering amendment of the rules to cover such storage also and as & when rules are amended to cover LNG storage, you will have to obtain licences for the same by submitting documents etc. which will be specified in the rules.

In view of above, there is no objection in commissioning the above said tanks No. T-101 and T-102 for storage of LNG and also use the facilities for loading LNG into road tankers, provided such LNG Transport Tanker are duly licensed and the consignee/ LNG receiver has a valid storage licence under SMPV(U) Rules, 1981.

Please note that all due safety precautions and such measures shall be taken while commissioning and operating above storage tanks, tanker and other connected facilities. One set of drawings submitted by you is sent herewith duly endorsed in token of approval.

Encl. a/a.

Yours faithfully,



(P. C. Srivastava)

Jt. Chief Controller of Explosives
for Chief Controller of Explosives

Copy along with approved drawings forwarded to:-

1. The Jt. Chief Controller of Explosives, South Circle, Chennai.
2. The Dy. Chief Controller of Explosives, Ernakulam.

For Chief Controller of Explosives



**PETRONET
LNG
LIMITED**

Petronet LNG Limited

Survey No. 347, Puthuvypu P.O.

Kochi - 682508, India

Tel: 0484 - 2502259 Fax: 0484 - 2502264

PLL/KOCHI/MOEF/2012-13/C-06

22nd March, 2013

The Director

Ministry of Environment & Forests,
Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi – 110 003

Dear Sir

Sub: Environmental and CRZ clearance for enhancing the re-gasification capacity from 2.5 MMTPA to 5.0 MMTPA for LNG Import Terminal at Puthuvypeen Island, Kochi, Kerala.

Ref: Environmental Clearance No. J-16011/26/2001-IA-III vide your letter dated 31st January, 2013.

We have earmarked funds amounting to 5% of the cost of capacity enhancement of the re-gasification project for community development and other infrastructure related as well as CSR projects.

Please find herewith item-wise details alongwith time bound action plan of expenditure of this amount.

Thanking you,

With regards

(Pushp Khetarpal)

Sr. Vice President (O&M)

Encl: Expenditure Plan for the above by Petronet LNG limited, Kochi.

Cc:

1. The Additional Director, Ministry of Environment & Forests; Regional Office (Southern Zone), Kendriya Sadan, IV Floor, E & F Wing 17th Main Road; II Block, Koramangala; Bangalore – 560 034

Expenditure Plan for CSR Activity						
SI No.	Description of Items	Amount Allocated	Expenditure Plan			
			2012-2013	2013-2014	2014-2015	2015-2016
1	Enhancement of basic Infrastructure in Elankunnapuzha Grama Panchayat as jointly agreed with different stakeholders.	12,00,00,000	3,00,00,000	3,00,00,000	3,00,00,000	3,00,00,000
2	Education	93,45,000	72,90,000	7,88,333	6,33,333	6,33,333
3	Other welfare schemes for local community including environment and health care	3,90,00,000	20,00,000	1,60,00,000	1,35,00,000	75,00,000
	Total	16,83,45,000	3,92,90,000	4,67,88,333	4,41,33,333	3,81,33,333



KERALA ENVIRO INFRASTRUCTURE LTD

Common TSDF Project, Inside FACT CD Campus, Ambalamedu, Kochi - 682 303
Ph: 0484-3117937, 2120196/97, E-mail: drnkpillai@gmail.com

Date: 12.03.2013

M/S PETRONET LNG LIMITED,
SURVEY No.347,
PUTHUVYPU P.O.,
KOCHI 682 508.
DIST. ERNAKULAM.

Kind attention Mr. Vinod Kumar, Dy. Manager (Mech.)

Dear Sirs,

Sub: Hazardous waste collection at KEIL's TSDF

We acknowledge with thanks receipt of the original agreement between KEIL and your Unit, in respect of collection and disposal of hazardous wastes.

A copy of the signed agreement is returned herewith for your records.

Thanking you,

Yours faithfully,
For KERALA ENVIRO INFRASTRUCTURE LTD

For 
Dr. N.K. Pillai
Chief Executive Officer



കേരളം കേരल KERALA

U 757958

AGREEMENT

AGREEMENT is entered at Kochi on this 12th day of the month of March, 2013 between M/s KERALA ENVIRO INFRASTRUCTURE LIMITED having its registered office at FACT-CD Campus, Ambalamedu-682 303, Kochi, Kerala, India, a company registered under the Companies Act, 1956 and currently represented by its CEO, Shri Dr. N.K. Pillai hereinafter referred to as "KEIL", which expression shall where context so requires or admits of, be deemed to include its successors or assignees) of one part

and

M/S.Petronet LNG Limited Public Limited/ Proprietor firm/Partnership firm/ Private Limited company registered under the Companies Act 1956 having its registered office / factory at Survey No. 347, Puthuvypu (P.O.), Kochi-682508 and currently represented by its Shri T.N. Neelakantan, General Manager (Technical) Age about 53 years, working at Survey No. 347, Puthuvypu (P.O.), Kochi-682508 (hereinafter referred to as MEMBER which expression shall where the context so requires or admits of, be deemed to include its successors or assignee) of the other part.

No. 30606 Date 26.2.2013

Value of Rs. 100/-

Sold to Petro Net. Ltd. Kochi.

SHAMEER, C.A.
HIGH COURT VENDOR
ERNAKULAM



T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

N.K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303



AND WHEREAS, the foremost and the sole objective of KEIL is to prevent Environmental Pollution Hazards and to observe the existing laws on Environmental and Pollution Control.

AND WHEREAS the MEMBER desires to send its hazardous solid (hereinafter referred to as 'HAZARDOUS WASTE') to the KEIL as per the norms of Kerala State Pollution Control Board (hereinafter referred to as "KS-PCB") and the KEIL having requisite facilities in this behalf, agrees to receive the Hazardous Waste sent by the MEMBER on the terms and conditions stated hereunder, which have been mutually agreed to by and between KEIL and the MEMBER.

AND WHEREAS the parties hereto have decided to execute a DEED OF AGREEMENT:

NOW THIS AGREEMENT WITNESSES and it is hereby, mutually agreed by and between the parties hereto as follows:

1. DEFINITIONS AND INTERPRETATIONS:

1.1 'TIME' shall be stated in 'Hours' and shall mean Indian Standard Time.

1.2 'DAY' means a period of Twelve (12) consecutive hours beginning at 08.00 hours and ending at 20.00 hours.

1.3 'WEEK' means a period of seven (7) consecutive days beginning from a day.

1.4 'MONTH' means a period beginning at 0800 hours on the first day of calendar month and ending at 0800 hours on the first day of succeeding calendar month.

1.5 'YEAR' means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February, beginning at 0800 hours from a day.

1.6 'FINANCIAL YEAR' means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February, beginning at 0800 hours from first April.


Dr. N.K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303





T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam
Kerala (India)

1.7 The headings of or titles to the clauses in this AGREEMENT shall not be deemed to be part hereof or be taken into consideration in the interpretation or construction thereof or of the AGREEMENT.

1.8 Words imparting the singular only also include the plural and vice versa, where the context so requires.

1.9 The present agreement is entered in to by KEIL for collection, storage, treatment and disposal of Hazardous waste of its members.

2. PERIOD OF AGREEMENT:

2.1 The present Agreement shall come into force from the date it is signed or the date when KEIL is able and prepared to send Transportation Vehicles / Transportation Vehicles to the Member, whichever is later and that the present Agreement shall remain in force for a period of 5 (five) years, effective from any of the above named dates, whichever is applicable.

3. EXTENSION PERIOD OF AGREEMENT

3.1 If the Member wishes to send its Hazardous Waste after the expiry of the present Agreement, it shall give four (4) months advance notice to KEIL of its desire of extended period of facility and KEIL shall consider the request and may, in its absolute discretion, offer terms for the fresh agreement.

Both the parties hereto, after reaching an agreement on the offered terms, shall execute a fresh agreement at least three (3) months before the date of expiry of this agreement.

3.2 Both the parties hereto agree that the present Agreement shall automatically come to an end in any of the following eventualities:


Dr. N.K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303





T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam
Kerala (India)

- I) On expiry of Authorization granted to the Member and the same having not been renewed or the same having been not granted by KS-PCB.
- II) On expiry of the present Agreement, where no fresh agreement is signed and executed between parties hereto as mentioned above.
- III) On Authorization to KEIL being cancelled, refused or not granted by KS-PCB.

3.3 Both the parties hereto further agree that in case of the present Agreement coming to an end owing to any of the aforesaid eventuality, it will be the sole responsibility of the Member to handle and treat its Hazardous Waste in accordance with the relevant provisions of law and that KEIL will not be responsible in any manner whatsoever in respect of the Hazardous Waste of the Members.


4. OBLIGATION OF THE MEMBERS:

4.1 While entering into the present Agreement with KEIL, MEMBER shall submit the categories of Hazardous Waste and its desire to dispose off the same and that the said categories of Hazardous Waste shall be as per those specified in the Schedule to Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008 as amended from time to time. The Member shall also give true and correct information related to the description, amount, nature and toxicity of the said Hazardous Waste as and when called upon by KEIL or KS-PCB.

4.2 The MEMBER shall get the Authorization from KS-PCB permitting the Member to send its Hazardous Waste to KEIL for disposal and that it shall be the responsibility of the Member to get the same renewed from time to time, failing which KEIL reserves its right to repudiate the present Agreement.

4.3 For direct disposal of the toxic / hazardous wastes in the landfill, the Member shall ensure that the waste is free of toxic materials / heavy metals or Phenols, Cyanides and the waste should meet the accepted criteria for the land filling.


DR. N.K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303





T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

- 4.4 The waste which cannot be accepted for direct land filling will be subject to required treatment like neutralization, solidification, Stabilization or any other chemical treatment. Based on the requirement and depending on the waste characteristic, KEIL will decide the treatment. Member has to bear the treatment cost. The treated waste in such case can be disposed off in the landfill.
- 4.5 The waste should be kept in the containers specially designed for the transportation of hazardous waste.
- 4.6 The MEMBER shall make all the proper and adequate arrangements for keeping accurate records of production and shall keep accurate records of production of each of its products and Hazardous Waste generated thereof and send the compiled records to KEIL on the fifth (5) day of the succeeding MONTH, whereupon the KEIL shall send the same to KS-PCB.
- 4.7 MEMBER shall be required to maintain the record of Hazardous waste to be disposed off in KEIL site. The said records so maintained shall be open for inspection by KEIL or any officer of KS-PCB or any authority of State (Ministry of Environment and Forests) or any officer appointed by them.
- 4.8 The MEMBER shall make adequate and necessary arrangements as approved by and to the satisfaction of the KEIL, KS-PCB or other prescribed Authority under Law for collection and storage of its Hazardous Waste in its premises and shall give access to the Transportation Vehicles / Transportation Vehicles of KEIL to its storage facility during day time.
- 4.9 Before the Hazardous Waste is delivered at KEIL site, the Member shall ensure that the said Hazardous Waste is packed and transported in a manner suitable for transportation and that the Member should see that the said waste withstands physical and climatic conditions.
- 4.10 If and when an accident occurs during the handling / transportation of Hazardous Waste the Member availing facility shall immediately report to KEIL and KS-PCB about the accident.


A. N. S. ILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303





T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

- 4.11 The Member shall be bound to accept the rejected Hazardous Waste, if any, and if it fails to do so, his membership will be terminated.
- 4.12 During wet period of monsoon season, the Hazardous Waste may not be accepted. The Member shall create proper temporary storage facility which would include leachate facility or any other facility as provided or approved under the provisions of law.
- 4.13 The member shall create required temporary storage facility (minimum 4 months generation) considering the heavy monsoon in Kerala.
- 4.14 As far as possible the containers are to be filled in full. Proper arrangements have to be made for lifting the containers. It is to be ensured that once the Hook-loader reaches the factory, after collection of the wastes, it leaves the factory within one hour.
- 4.15 The MEMBER is obliged to intimate KEIL to send containers / hook loader and to despatch a minimum full load of Hazardous Waste within two hours.
- 4.16 The MEMBER is obliged to pay in advance transportation /treatment/disposal/analysis charges in cheque (local account) or demand draft.
- 4.17 KEIL may by a notice served on the Member require him to provide such additional information as may be specified in the notice and the member shall send the information to KEIL within 15 days from the receipt of the said notice.
- 4.18 The MEMBER declares that the MEMBER alone shall be liable for any action initiated against the MEMBER under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 or any other Pollution Laws or any other relevant provisions of Law for the time being in force, by KS-PCB or any other Authority.
- 4.19 The MEMBER shall comply with the provisions of Environment (Protection) Act, 1986 and the Rules made there under as also with the conditions of present agreement and that any breach committed there under shall render the Member not eligible for disposing of Hazardous Waste in KEIL.

5. QUANTITY & QUALITY

5.1 The Hazardous Waste to be sent by the MEMBER to KEIL shall be as per the categories specified in the schedule to Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 or as per any new amendment or rules under the above Act.

5.2 The MEMBER shall not send for direct land filling in any case any Hazardous Waste containing Hexavalent Chromium, heavy metals, phenols, cyanides or any other toxic materials in concentration as specified in the Clause 5.3 or that may be notified by KEIL from time to time. However, such wastes may be accepted for treatment and disposal with extra charges for treatment.

5.3 The following listed wastes will not be accepted by KEIL.

- i) Waste which is fluid, slurry, paste or acidic.
- ii) Waste which has an obnoxious odour.
- iii) Waste which reacts with moisture to produce considerable amount of heat or gases.
- iv) Waste which is inflammable. (Except for incineration)
- v) Waste which contains shock sensitive substances.
- vi) Waste which contains volatile substances of significant toxicity.
- vii) Waste which contains more than 10 mg / kg chromate in the original sample.
- viii) Waste which contains more than 10 mg / Kg. of Water-soluble Arsenic in a 1/10 elute.

5.4 All toxic wastes from pesticide industries shall be incinerated before sending to KEIL site. The waste shall not contain any acidity.

5.5 KEIL may reject the Hazardous Waste in total, if the MEMBER's above mentioned Hazardous Waste is found not to be in according with the conditions mentioned in clause - 5 of this AGREEMENT and the decision of KEIL in rejecting the Hazardous Waste of the member for non-compliance of the provisions of the present clause of this Agreement will

be final and it will not be called in question and the MEMBER shall have to pay the extra amount which shall be charged by KEIL for expenditure incurred in analyzing, transporting and returning the rejected Hazardous Waste.

6. TRANSPORTATION

6.1 Transport of Hazardous Waste shall be in accordance with the provisions of Rules issued by the Central Government under Motor Vehicle Act,1988 and other guidelines issued from time to time and/or subject to the provisions of law for the time being in force.

7. BILLING AND PAYMENT OF DISPOSAL CHARGES

7.1 The sample of the Hazardous waste will be drawn from the supply and will be got analysed by KEIL Laboratory or Laboratory approved by KEIL. The charges for analysis will be borne by the respective member.

7.2 The MEMBER shall pay to KEIL the charges for disposing of its Hazardous Waste as may be notified by KEIL by cheque or Demand Draft in advance.

7.3 KEIL shall charge the MEMBER on the basis of weighment to be done at disposal site. If the Weigh Bridge at disposal site is not working, it will be weighed at outside weigh Bridge approved by KEIL.

7.4 The MEMBER shall be bound by the analysis results / reports of KEIL for treatment and disposal charges and shall not call the same in question for any reason whatsoever.

8. DEFAULT

8.1 If the MEMBER fails and / or defaults in the discharge of any of his obligations under the present Agreement, KEIL shall have discretion to (i) refuse to accept the Hazardous Waste of the MEMBER for disposal without assigning any reason, (ii) notify to the KS-PCB the name of the Member informing about such default and that its Hazardous Waste would not be taken for disposal by KEIL on account of such default, (iii) inform the Member that

its Hazardous Waste would be deemed to cause pollution and that the Member be liable as polluter under the Pollution Laws.

8.2 KEIL reserves its right to accept or refuse membership. In event of MEMBER committing any breach / violation of the conditions of the present Agreement or any provisions of Law / Act / Rules for the time being in force, KEIL reserves its right to suspend / cancel the membership for such period as it deems fit without giving any reasons or prior notice.

8.3 Where an offense under the Environment Protection Act has been committed by the Member or is attributable to any neglect on the part of the Member which shall include its Director, Manager, Secretary, Officer, Partner, etc. and if such Member is guilty of the offense or is liable to be prosecuted against and punished and no suit, prosecution or legal proceeding(s) shall lie against KEIL for the offense committed by its Member.

8.4 KEIL reserves its right to issue a show cause notice to the Member if it is of the opinion that the Member has contravened the provisions of law / conditions of the present Agreement, requiring the Member to remedy the contravention or as the cause may be, within a specific period of time. The said notice served shall specify the measures to be taken by the Member in remedying the said contravention.


8.5 KEIL shall inform the Kerala State Pollution Control Board / KSIDC of the suspension of any MEMBER.

8.6 The suspension / termination shall be revoked only at sole discretion of KEIL after it is satisfied that its conditions have been met.

9. TRANSFER OF RIGHTS

9.1 KEIL may at any time transfer or assign its rights and obligations under the AGREEMENT to any other company or business concern by giving notice in writing to the MEMBER. Upon such transfer or assignment, only the transferee or assignee shall be liable for the obligations herein contained.


D. N. K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303




T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

10. INDEMNITIES

10.1 The MEMBER shall be deemed to be in exclusive possession and control of the said Hazardous Waste and shall be fully liable and responsible for its arrangements, appurtenances and properties before the Transportation Vehicles / Transportation Vehicles of KEIL leave the premises of the MEMBER. Accordingly the MEMBER hereby covenants and agrees to fully protect, indemnify and hold KEIL, its employees, agents & successors and assignees harmless against any and all claims, demands, actions, suits, proceedings and judgments and any and all liabilities, costs, expenses, damages or losses arising out of or resulting from or incidental to or in connection therewith, which may be made out against KEIL, whether by the MEMBER its employees, agents or successors and assignees or by third parties on account of damages or injury to property or loss of life resulting from or arising out of the installation, presence, maintenance or operation or the intake arrangements, appurtenances and properties of the MEMBER.

10.2 It is also agreed by and between KEIL and the MEMBER that KEIL is not and shall not be liable in any manner whatsoever due to any negligence and for any reason or otherwise of the MEMBER, in disposing its Hazardous Waste at the factory site of the MEMBER or at any other place.

10.3 KEIL and Members will share any liability arising out of the existence and operation of the facility in proportion to the quantity of waste supplied by each member. Public liability Insurance will be taken for the facility.

11. FORCE MAJEURE

11.1 In case of any force majeure, KEIL shall not be saddled with any liability - contingent or otherwise but in that case, it shall be the sole liability of the MEMBER.

11.2 Both the parties hereto agree that due to change in any laws related to pollution or due to any directive of any Court or Authority, if KEIL is to incur any additional financial burden consequent upon any alteration and / or modification in the site or because of any



other reason, then, in that case the MEMBER shall be liable to contribute for the same proportionate to its disposal of Hazardous Waste quantity in KEIL site.

11.3 Both the parties hereto agree that in any event of there being order in form of any injunction, stay or otherwise from any Court, KS-PCB or any other Authority stopping the functioning of the Site or otherwise whereby KEIL becomes unable to accept the Hazardous Waste of the MEMBER, KEIL shall not be responsible or made responsible and / or be liable in any manner in that regard and that in such an eventuality, it shall be the responsibility of the MEMBER to get the needful done in respect of disposal of its Hazardous Waste.

12. PREVIOUS CORRESPONDENCE:

12.1 All discussions and meetings held and correspondence exchanged between KEIL and the MEMBER in respect of the AGREEMENT and any decisions arrived at therein in the past and before the coming into force of the present AGREEMENT are herein superseded by the present AGREEMENT and no reference of such discussions or meetings or past correspondence shall be entertained by either KEIL or the MEMBER for interpreting the present AGREEMENT or otherwise.

13. LAWS GOVERNING THE AGREEMENT

13.1 The present Agreement shall be subject to Indian Laws, rules and regulations and notifications etc. issued under such laws.

14. AMENDMENTS:

14.1 KEIL may at any point of time make suitable changes in the present Agreement after serving a notice to the MEMBER.

15. TERMINATION OF AGREEMENT

15.1 M/s. KEIL has the unrestricted right to terminate this AGREEMENT and deduct its all pending claims from the deposit paid by the MEMBER.


N.K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303





T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

15.2 This AGREEMENT can be terminated by either party after giving a written notice of at least 90 days to the other party. If the cancellation is requested by the MEMBER, the provision relating to minimum charges shall be applicable, also during the notice period.

16. JURISDICTION

16.1 The present Agreement, M/s. KEIL and the MEMBER mutually agree that the Civil Court at Kochi only shall have jurisdiction for all the disputes / differences arising out of this agreement.

17. The address of the parties hereto unless changed by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change, shall be as follows:

ADDRESSES OF PARTIES :

M/S.KERALA ENVIRO INFRASTRUCTURE LTD.:
Common TSDF Project
(Inside FACT-CD Campus)
Ambalamedu, Kochi – 682 303,
Kerala, India

THE MEMBER:

PETRONET LNG LIMITED,
Survey No.347, Puthuvypu,(P.O.)
Kochi-682508, Dist- Erankulam,
Kerala, India

(Name and address of the Member)

Page 12 of 13


Dr. N.R. MELAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303






T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.


For and on behalf of the
KERALA ENVIRO INFRASTRUCTURE LIMITED

Dr. N.K. PILLAI
Chief Executive Officer
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303


For & on behalf
T. N. NEELAKANTAN
General Manager (Technical)
Petronet LNG Limited
Survey No. 347, Puthuvypu (PO)
Kochi-682 508, District-Ernakulam,
Kerala (India)

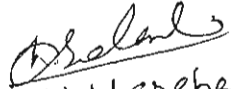


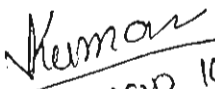
Witness:

1.  A.M.V.R.O


2. N. Chandrasekharan 

Witness:

1. 
Harshad J. Solanki
Petronet Eng. Ltd.

2. 
VINOD KUMAR
Petronet Eng. Ltd.



Petronet LNG Limited – KOCHI TERMINAL

GROUND WATER ANALYSIS REPORT

Issue No: 01	Doc.No: PLL/Kochi/Lab/2013-14/FMT-17	Page 1 of 1
Revision No: 00	Effective Date: 15-01-2013	

GROUND WATER ANALYSIS REPORT

Date	pH	Conductivity (μS/cm)	TDS(ppm)	Turbidity(NTU)	Salinity(g/Kg)	D.O(ppm)	Sampling Location
15-01-2013	7.70	5590	3801	35.9	2.5	6.71	Sample Collected from South West Piezometer-II (HDPE PIPE).
20-01-2013	7.10	5550	3774	50.5	2.9	6.22	Sample Collected from South West Piezometer-II (HDPE PIPE).
15-02-2013	7.05	5434	3695	45.2	2.7	6.16	Sample Collected from South West Piezometer-II (HDPE PIPE).
18-03-2013	7.01	5370	3652	44.2	2.7	6.44	Sample Collected from South West Piezometer-II (HDPE PIPE).
18-04-2013	7.12	5241	3564	55.7	2.6	6.35	Sample Collected from South West Piezometer-II (HDPE PIPE).
18-05-2013	7.31	5384	3661	51.6	2.5	6.34	Sample Collected from South West Piezometer-II (HDPE PIPE).
13-06-2013	7.93	269	183	30.9	0.1	6.21	Sample Collected from South West Piezometer-II (HDPE PIPE).
15-07-2013	7.82	327	222	28.6	0.1	6.18	Sample Collected from South West Piezometer-II (HDPE PIPE).
10-08-2013	7.74	351	239	25.7	0.1	6.24	Sample Collected from South West Piezometer-II (HDPE PIPE).
07-09-2013	7.66	408	277	21.8	0.2	6.28	Sample Collected from South West Piezometer-II (HDPE PIPE).
09-10-2013	6.78	58.9	40	14.2	0.0	6.39	Sample Collected from South West Piezometer-II (HDPE PIPE).


L.S.RAJA

Senior Engineering Officer – Lab Operations



Petronet LNG Limited

Survey No. 347, Puthuvypu P.O.
Kochi - 682508, India
Tel: 0484 - 2502259 Fax: 0484 - 2502264

PLL/Kochi/MoEF/GP/2013/001
5th March, 2013

Secretary,
Elankunnappuzha Grama Panchayat Office
Malipuram PO,
Ernakulam 682 511,
Kerala.

Sir

Sub: Environment and CRZ Clearance of Petronet LNG limited, Puthuvypeen Island, Kochi, Kerala.

With respect to above subject, we enclose herewith the copy of notification from MoEF regarding Environment and CRZ clearance for enhancing the re-gasification capacity from 2.5 MMTPA to 5 MMTPA of LNG terminal Project by Petronet LNG limited at Puthuvypeen Island, Kochi.

You are requested to acknowledge the receipt of the same.

Thanking you,

With regards

(Pushp Khetarpal)
Sr. Vice President (O&M)

Encl: As above



Received the copy
[Signature]
6/3/13

SECRETARY
ELANKUNNAPPUZHA GRAMA PANCHAYAT



Government of India
 Ministry of Commerce & Industry
 Petroleum & Explosives Safety Organisation (PESO)
 5th Floor, A-Block, CGO Complex, Seminary Hills,
 Nagpur - 440006

E-mail : explosives@explosives.gov.in
 Phone/Fax No : 0712 -2510248, Fax-2510577



No. : P/HQ/KL/15/1309 (P283855)

Dated : 28/12/2012

To,

✓ M/s Petronet LNG Ltd.,
 Survey No.347 Puthuvypu,
 P.O.682508,
 Kochi,
 District: ERNAKULAM,
 State: Kerala
 PIN: 682508

Sub : Existing Petroleum Class B Installation at Plot No, Survey No.347 Puthuvypu, NA, Kochi, District: ERNAKULAM, State: Kerala, PIN: 999999 - Licence No. P/HQ/KL/15/1309 (P283855) - granted for XV of Petroleum Rule 2002 Renewal regarding.

Sir(s),

Please refer to your letter No.: ND/LNG/SRVPT/K-27/2K12/01, dated 14/12/2012

Licence No. P/HQ/KL/15/1309 (P283855) dated 17/10/2012 is forwarded herewith duly renewed upto 31/12/2016.

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Dy. Chief Controller of Explosives, Ernakulam, so as to reach his office on or before the date on which Licence expires

Please acknowledge the receipt.

Yours faithfully,

(Wajuddin)
 Controller of Explosives
 For Chief Controller of Explosives
 Nagpur

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)



LICENCE TO IMPORT AND STORE PETROLEUM IN INSTALLATION

Licence No. : P/HQ/KL/15/1309(P283855)

Fee Rs. 3145/- per year

Licence is hereby granted to M/s Petronet LNG Ltd., Survey No.347 Puthuvypu, P.O.682508, Kochi, District: ERNAKULAM, State: Kerala, PIN: 682508 valid only for the importation and storage of 193.00 KL Petroleum of the classes and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/KL/15/1309(P283855) dated 28/12/2012 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.


The Licence shall remain in force till the 31st day of December 2016

Description of Petroleum	Quantity licenced in KL
Petroleum Class A in bulk	NIL
Petroleum Class A, otherwise than in bulk	NIL
Petroleum Class B in bulk	193.00 KL
Petroleum Class B, otherwise than in bulk	NIL
Petroleum Class C in bulk	NIL
Petroleum Class C, otherwise than in bulk	NIL

Total Capacity

193.00 KL

October 17, 2012


For Chief Controller of Explosives
HQ, Nagpur

1). Amendment dated - 17/10/2012

DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Survey No.347 Puthuvypu, NA, Kochi, District: ERNAKULAM, State: Kerala, PIN: 999999 and consists of One Petroleum Storage Tank Of Class B Together With Connected Facilities together with connected facilities.

Licence No. P/HQ/KL/15/1309 (P283855)

SPACE FOR ENDORSEMENT OF RENEWALS

This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

Date of
RenewalDate of
Expiry of licenseSignature and office stamp of the
licencing authority.

1).

28/12/2012

31/12/2016



Wajuddin
Controller of Explosives
For Chief Controller of Explosives
Nagpur

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.



Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Seminary Hills,
Nagpur - 440006

E-mail : explosives@explosives.gov.in
Phone/Fax No : 0712 -2510248, Fax-2510577



No. : P/HQ/KL/15/1310 (P283851)

Dated : 28/12/2012

To,

M/s Petronet LNG Ltd.,
Survey No.347 Puthuvypu,
P.O.682508,
Kochi,
District: ERNAKULAM,
State: Kerala
PIN: 682508

Sub : Existing Petroleum Class B Installation at Plot No, Survey No.347 Puthuvypu, NA, Kochi, District: ERNAKULAM, State: Kerala, PIN: 682508 - Licence No. P/HQ/KL/15/1310 (P283851) - granted for XV of Petroleum Rule 2002 Renewal regarding.

Sir(s),

Please refer to your letter No.: ND/LNG/SRVPT/K-27/2K12/02, dated 14/12/2012

Licence No. P/HQ/KL/15/1310 (P283851) dated 18/07/2012 is forwarded herewith duly renewed upto 31/12/2016.

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Dy. Chief Controller of Explosives, Ernakulam, so as to reach his office on or before the date on which Licence expires.

Please acknowledge the receipt.

Yours faithfully,

(Wajiuddin)
Controller of Explosives
For Chief Controller of Explosives
Nagpur

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

FORM XV
(see Article 6 of the First Schedule)



LICENCE TO IMPORT AND STORE PETROLEUM IN INSTALLATION

Licence No. : P/HQ/KL/15/1310(P283851)


Fee Rs. 1000/- per year

Licence is hereby granted to M/s Petronet LNG Ltd., Survey No.347 Puthuvypu, P.O.682508, Kochi, District: ERNAKULAM, State: Kerala, PIN: 682508 valid only for the importation and storage of 7.00 KL Petroleum of the classes and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/KL/15/1310(P283851) dated 28/12/2012 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

The Licence shall remain in force till the 31st day of December 2016

Description of Petroleum	Quantity licenced in KL
Petroleum Class A in bulk	NIL
Petroleum Class A, otherwise than in bulk	NIL
Petroleum Class B in bulk	7.00 KL
Petroleum Class B, otherwise than in bulk	NIL
Petroleum Class C in bulk	NIL
Petroleum Class C, otherwise than in bulk	NIL
Total Capacity	7.00 KL

July 18, 2012


For Chief Controller of Explosives
HQ, Nagpur

DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Survey No.347 Puthuvypu, NA, Kochi, District: ERNAKULAM, State: Kerala, PIN: 682508 and consists of One Petroleum Class B Storage Day Tank Together With Other Connected Facilities together with connected facilities.

Licence No. P/HQ/KL/15/1310 (P283851)

SPACE FOR ENDORSEMENT OF RENEWALS


This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

Date of
RenewalDate of
Expiry of licenseSignature and office stamp of the
licencing authority.

1).

28/12/2012

31/12/2016


Wajjuddin
Controller of Explosives
For Chief Controller of Explosives
Nagpur

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

MALAPPURAM: The Sarvodaya Mela of Tirunelveli will begin on Saturday, commemorating the immersion of Mahatma Gandhi's ashes in the Bharathapuzha.

A 'janajagaran' rally will be taken out on Saturday morn-

will lead the rally. The imam of Cheraman Juma Masjid at Kodungallur will inaugurate the rally. Nilanjali, the municipal chairman of Alappuzha will inaugurate another rally led by Sarvodaya Mandal secretary T. P. Nilambur.

Public Notice

Petronet LNG Ltd, having registered office at 1st Floor, World Trade Centre, Babar Road, Barakhamba Lane, New Delhi 110001, has received environmental and CRZ clearance for enhancing the re-gasification capacity from 2.5 MMTPA to 5 MMTPA for its Kochi LNG Terminal at Puthuvypeen Island, Kochi, Kerala from Ministry of Environment & Forests, Govt. of India on 31st January, 2013. The copies of the clearance letter are available with the Kerala State Pollution Control Board and may also be seen on the website of the Ministry of Environment & Forests at <http://www.envfor.nic.in>.



कयर बोर्ड Coir Board

(एष्य, लघु और मध्यम उद्यम मंत्रालय, भारत सरकार)
Ministry of MSME, Government of India

प्री.बी. नं. / P.P.B. No. 1752, एम.बी. रोड, / M.B. Road, कोच्ची / Kochi (882016)
दूरभाष / Phone : 0484 2351900, 2371195. फ़ैक्स / Fax : 0484-23370034

ई-मेल / E-Mail : coir@ind2.vsnl.net.in वेबसाइट / website : www.coirboard.gov.in, www.coirboard.nic.in.

പരമ്പരാഗത കയർ ഉൽപ്പാദകർക്ക് സർക്കാർ സഹായം

കയർ ഉൽപ്പാദനം പരമ്പരാഗതമായി നടന്നു വരുന്ന ഒരു കർഷക മേഖലയാണ്. കയർ ഉൽപ്പാദനം പരമ്പരാഗതമായി നടന്നു വരുന്ന ഒരു കർഷക മേഖലയാണ്. കയർ ഉൽപ്പാദനം പരമ്പരാഗതമായി നടന്നു വരുന്ന ഒരു കർഷക മേഖലയാണ്. കയർ ഉൽപ്പാദനം പരമ്പരാഗതമായി നടന്നു വരുന്ന ഒരു കർഷക മേഖലയാണ്.

01-03-2013 തീയതി 3നന്ദി വരെ സ്വീകരിക്കുന്നതാണ്.

കൂടുതൽ വിവരങ്ങൾക്ക് കയർ ബോർഡിന്റെ വെബ്സൈറ്റ് www.coirboard.gov.in സന്ദർശിക്കുകയോ 0484 2371195 എന്ന നമ്പറിൽ എൻ.സി.ഐ.സി.യിൽ ബന്ധപ്പെടുകയോ ചെയ്യുക.

കൊച്ചി 07-02-2013

घर घर में कयर

Sd/-
Secretary

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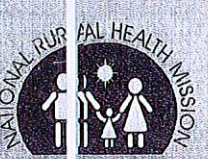
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5-10 മിനിറ്റ് കൊണ്ട് പൊതുവിനോദം തിരിയ്ക്കാം.

നോൺ കോർപ്പറേറ്റ് വിനോദം തിരിയ്ക്കാം.