



Petronet LNG Limited

Survey No. 347, Puthuvypu P.O.

Kochi - 682 508, India.

Tel: +91-484-2502259 Fax: +91-484-2502264

www.petronetltd.com

CIN L74899DL1998PLC093073

PAN: AAACP8148D. GST: 32AAACP8148D1ZP

PLL/KOCHI/MOEF/2021-22/03

29th May, 2021

Additional Principal Chief Conservator of Forests (C)

Ministry of Environment, Forest and Climate Change,
Regional Office (SZ),
Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road,
Koramangala II Block,
Bangalore – 560034.

Sub: Compliance report to Environment Clearance accorded to the LNG Terminal at Puthuvypu, Kochi.

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

Sir,

The Six monthly compliance report for the period ending 31st March 2021 for the above clearance is attached.

Thanking You,

With Regards



Yogananda Reddy

Chief General Manager & Vice President (Plant Head)

CC:

- 1) The Chief Environmental Engineer,
Kerala State Pollution Control Board,
Gandhinagar, Kochi – 682 020.

Registered & Corporate Office:

World Trade Centre, First Floor, Babar Road, Barakhamba Lane, New Delhi - 110 001 (INDIA)
Tel: +91-11-23411411 / 23472525 Fax: +91-11-23472550

Dahej LNG Terminal:

GIDC Industrial Estate, Plot No. 7/A, Dahej Taluka: Vagra, Dist. Bharuch - 392130 (Gujarat)
Tel: +91-2641-257249 Fax: +91-2641-257252



COMPLIANCE REPORT of CRZ Clearance no. J-16011/26/2001-IA-III vide your letters dated 31st JANUARY 2013 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 CRZ Clearance is as follows:

1	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" vide Consent No. PCB/HO/EKM/ICE-R/03/2013 obtained from KSPCB and a copy of the same has already been submitted to MoEF&CC along with the six monthly compliance report dated 30 th September-2013.
II	NOC/Clearance shall be obtained confirming that all the firefighting provisions are as per standards specified by the Chief Controller of Explosives/Petroleum & Explosives Safety Organization (PESO) for the additional storage tanks.	No additional LNG storage tank is envisaged for this enhancement. We have got Approval from PESO for the existing LNG Storage Tanks and a copy of the same has already been submitted to MoEF&CC along with the six monthly compliance reports dated 05 th April-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 the art automated FGS & shutdown system is installed to mitigate any such incidents.
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 Helmets, Safety Shoes, Safety Goggles, SCBAs, Cryogenic suits, Cryo hand gloves are provided to employees & workers and Dust mask are provided to the workers involved in activities which has potential to generate dust.
V	Project proponent should implement all the recommendations stipulated in the EIA, EMP and Risk Assessment reports pertaining to the project.	PLL is complying with all the recommendation stipulated in the EIA, EMP and Risk Assessment reports pertaining to our 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. Public hearing commitments are fulfilled and the details has already been submitted along with the six monthly compliance report dated 02 nd June-2016.
VII	All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster Management Plan shall be strictly complied with.	Complied. All the conditions stipulated in the earlier clearances including the recommendations of EMP and DMP are strictly complied with.

VIII	<p>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.</p>	<p>Noted. However, Augmentation of the capacity from 2.5 MMTPA to 5.0 MMTPA will not induct additional environmental issues.</p>
IX	<p>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.</p>	<p>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. CSR projects are being undertaken by PLL for community development and welfare through its subsidiary company, Petronet LNG Foundation Limited. A brief description about the CSR activities carried out by PLL for FY 2020-21 is enclosed here with the photographs as Annexure # 1. An amount of Rs. 21469603/- (Rupees Two Crore Fourteen lakh Sixty nine Thousand six hundred and three only) had spent in FY 2020-21 for CSR projects. Petronet had spent a total amount of Rs. 144378135 /- (Rupees Fourteen Crore Fourty three lakhs seventy Eight Thousand Hundred & thirty five only) for CSR projects till date. Detailed expense report is attached here as Annexure #2</p>
X	<p>It shall be ensure that the proposed activity shall not cause any disturbance to the Fishing activity.</p>	<p>The proposed augmentation/ enhancement of plant capacity do not involve any modification in current marine facilities. Hence will not cause disturbance to fishing activity.</p>

<p>Xi</p>	<p>The smooth and safe operation of the system will be ensured by incorporating a computerized SCADA (Supervisor Control And Data Acquisition) system. Any leakage in the pipeline shall be immediately detected by the Computer system and product pumping shall be immediately cut off.</p>	<p>Complied. Computerized SCADA (Supervisor Control And Data Acquisition) system, FGS (Flame, Gas and Spill) detection system and ESD (Emergency Shutdown system) system has already been installed to ensure smooth and safe operation, for early detection of any leak and for safe shutdown in case of any emergency respectively. Regasified LNG pipeline is belongs to GAIL and cut off of the gas supply is ensured by them and on intimation to PLL, we may stop the supply.</p>
<p>Xii</p>	<p>Regular patrolling of the pipelines needs to be done. This will help in identifying any activity that have the potential to cause pipeline damage or to identify small leaks whose effects are too small to be detected by instrument.</p>	<p>Complied. Regasified NG pipeline belong to GAIL and PLL has no any role related to these pipelines. However, the pipelines within the terminals are equipped with temperature and pressure sensors designed to raise alarm in case of abnormalities, in additions to this all pipelines are provided with detectors capable of activating ESD if situation demands.</p>
<p>Xiii</p>	<p>The project shall be carried out as per international standards in vogue and duly certified by competent authorities before commissioning.</p>	<p>Complied. The project was carried out in accordance with relevant international and national standards. All equipment's have been inspected and certified by competent third party or by competent authorities as per requirements.</p>
<p>Xiv</p>	<p>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.</p>	<p>Oil spill contingency plan is formulated to take care of the eventualities; a copy of the same has already been submitted with six monthly compliance reports dated 05th April-2013.</p> <p>PLL jetty falls under the Cochin Port Trust (CPT), and the Oil Spill Contingency Management Plan is prepared by CPT. PLL has provided the information required from the terminal to be incorporated in the Oil Spill Contingency Management Plan. Coast guard is also part of the Oil spill contingency plan.</p> <p>No oil waste are being discharged in to water bodies/mangrove areas. Oily waste will be collected and disposed through KSPCB authorized Hazardous waste handling agency.</p>

		We have entered in an agreement with KEIL (Kerala Enviro Infrastructure Ltd) for disposing hazardous wastes generated in our terminal and the latest agreement copy has already been submitted along with six monthly compliance report for the period ending March -2018.
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.	<p>Mock drills are conducted in every quarter for different emergency scenarios listed out in the risk assessment report. All mock drills are conducted as per PLL ERDMP plan. An effective Mutual aid arrangement is in place with neighboring industries, which will ensure active participation of mutual aid organizations in Mock drills. PLL has a Mutual Aid agreement with FACT-UD, ICT Terminal & BPCL-STF to provide resources during an emergency.</p> <p>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 were covered during the preparation of ERDMP (Emergency Response and Disaster Management Plan) and which is effectively implemented.</p>
xvi	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Noted. No any other construction work will be done in CRZ area.
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 an Environment Management Cell (EMC) under Chief General Manager & Vice President (Plant Head). Other members of the team includes Head of; Operations department, C&P (Contracts & Procurement) department, Technical department, HSE department, Civil Department, Lab operation & a representative from HR department for effectively implementing the stipulated environment safeguards. The SOP of the Environment Management Cell was revised on 01/06/2020 and the copy of the same has been submitted along with six monthly compliance report for the period ending September 2020.

xviii	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	The funds earmarked for environment management plan is included in the budget and will not be diverted for other purposes. Environment budget for FY 2020-21 is enclosed here as Annexure # 3 .
2.	GENERAL CONDITIONS	PLL REMARK
I	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Noted. PLL have taken appropriate measure while undertaking digging activities. We conduct ground water analysis periodically and latest report is enclosed as Annexure#4 .
li	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 by furnishing full details of analysis reports and action plans for environmental protection.
lii	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 regarding the implementation of the stipulated conditions are regularly been submitted to regional MoEF&CC office for all EC & CRZ Clearance obtained for the 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 of the Ministry's right to revoke clearance for not complying with the conditions stipulated in the clearance.
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 th Feb 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 th March-2013; A copy of the letter has already been submitted with six monthly compliance reports dated 05 th April-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/Tahsildar's office for 30 days.	Action to be taken by State Pollution control board.

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

3	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.
4	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. Copies of all relevant approvals/NOCs have already been submitted along with the six monthly compliance reports dated 05 th April-2013.
5	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. Copy of the advertisement given in the two local newspapers has already been submitted along with the six monthly compliance report dated 30 th September-2013.

6	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.
7	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 various stipulated environmental conditions and environmental safeguards are uploaded in PLL's website.
8	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.
9	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 7 th March-2013, we have already submitted a copy of the letter with six monthly compliance report dated 5 th April 2013.
10	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 .
11	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.

12	<p>The environmental statement for each financial year ending 31st 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.</p>	<p>We have uploaded Form-V (Environment Statement) along with the status of compliance of clearance conditions in our company's website. Compliance of the clearance conditions is regularly sent to MoEF&CC's regional office by e-mail.</p> <p>The latest Form-V (Environment Statement) for the period of FY 2019-20 has been submitted along with six monthly compliance report for the period ending September 2020.</p>
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Thanking You,

With Regards

Yogananda Reddy

Yogananda Reddy
Chief General Manager & Vice President (Plant Head)





CSR UPDATE KOCHI

Major Highlights
FY-2020-21

HEALTHCARE & DISASTER MANAGEMENT



5000 nos. of food and sanitization kits distributed for fishermen families across 6 panchayats in Vypin through the Kerala State Coastal Area Development Corporation (KSCADC).



Distributed Personal Protective Equipment's (PPE's) for Healthcare workers in Kalammasery Medical College (COVID hospital) worth Rs. 18.50 lakhs through Indian Medical Association (IMA)

HEALTHCARE & DISASTER MANAGEMENT



തിരുവനന്തപുരം, കോഴിക്കോട്, കണ്ണൂർ വിമാനത്താവളങ്ങളിലെ കസ്റ്റംസ് ഉദ്യോഗസ്ഥർക്കു പെട്ടോനെറ്റ് എൽഎൻജി നൽകുന്ന ചിപിഇ കിറ്റുകൾ പെട്ടോനെറ്റ് വൈസ് പ്രസിഡന്റ് (പ്ലാറ്റ് ഫോഡ്) യോഗാനന്ദൻ രാജ്കുമാറിൽ നിന്ന് കസ്റ്റംസ് പ്രിവന്റിവ് അസി. കമ്മീഷണർ പി.ജി. ലാലു ഏൽപ്പിച്ചു.



Distributed 1080 nos. of Personal Protective Equipment (PPE) kits to the Customs officers deployed at three airports (Kannur, Kozhikode, Calicut) in Kerala.

Distributed 500 nos. of Personal Protective Equipment (PPE) kits, Face shields, N95 masks to the Health care workers in Medical College Hospital, Kottayam



25 ലക്ഷം രൂപയുടെ സഹായ ഹസ്തവുമായി പെട്ടോനെറ്റ് എൽഎൻജി ലിമിറ്റഡ്

കൊച്ചി: കോവിഡ് പ്രതിരോധ പ്രവർത്തനങ്ങൾക്കായി പെട്ടോനെറ്റ് എൽഎൻജി ലിമിറ്റഡ് പിവിഎസ് കോവിഡ് പ്രിന്റിംഗ് സെന്ററിന് 25 ലക്ഷം രൂപയുടെ മരുന്നും ഉപകരണങ്ങളും കൈമാറി. രണ്ട് വേൾഡ്കോൺ വെന്റിലേറ്ററുകൾ ഉൾപ്പെടെയാണിത്. പിവിഎസ് ആശുപത്രിയിൽ സംഘടിപ്പിച്ച ചടങ്ങിൽ വെന്റിലേറ്ററുകൾ പെട്ടോനെറ്റ് എൽഎൻജിക്ക് വേണ്ടി ഐഎംഎ കൊച്ചി പ്രസിഡന്റ് ഡോ. ടി.വി.രവി, ആശുപത്രി സൂപ്രണ്ട് ഡോ. അശ്വതിജി കൈമാറി. പിവിഎസ് ആശുപത്രി കോവിഡ് സെന്റർ ആരംഭിച്ചതിന്റെ 100-ാം ദിനവും കൂടിയായിരുന്നു. ഇതുവരെ 389 കോവിഡ് രോഗികൾക്ക് ചികിത്സയും, 559 കോവിഡ് രോഗികൾക്ക് ഡയാലിസി

പെട്ടോനെറ്റ് എൽഎൻജി ലിമിറ്റഡ് പിവിഎസ് കോവിഡ് വെന്റിലേറ്ററുകൾ ഏൽപ്പിക്കുകയും വേണ്ടി ഐഎംഎ കൊച്ചി പ്രസിഡന്റ് ഡോ.ടി.വി.രവി ആശുപത്രി സൂപ്രണ്ട് ഡോ. അശ്വതിജി കൈമാറി.

സം നടത്തിക്കഴിഞ്ഞു. 100 ദിവസത്തെ പ്രവർത്തനങ്ങൾ പ്രതിപാദിക്കുന്ന വിഡിയോ സൂപ്രണ്ട് ആശംഭിജിന്റെ പുറത്തുനിന്നും ചടങ്ങിൽ ഐഎംഎ കൊച്ചി സെക്രട്ടറി ഡോ. അരുൺ ജോസഫ് മാനുവൽ, ഡോ. എം.എം.എ. സി. ഡോ. ജി.ജി.എസ്. റ്റോമിൻ, ഡോ. അരുൺ ഹസൻ, ഡോ. നൗഷാദ് തുടങ്ങിയവരും പങ്കെടുത്തു.

Setting up of COVID APEX Centre in PVS Government Hospital, Ernakulam in association with Indian Medical association (IMA) -

HEALTHCARE

MOBILE MEDICAL UNIT



Inauguration of Mobile Medical Van for Vypin area held in association with M/s Wockhardt Foundation



DISASTER MANAGEMENT



Distribution of Disaster management Equipment to Fire Brigade of Ernakulam by District Collector

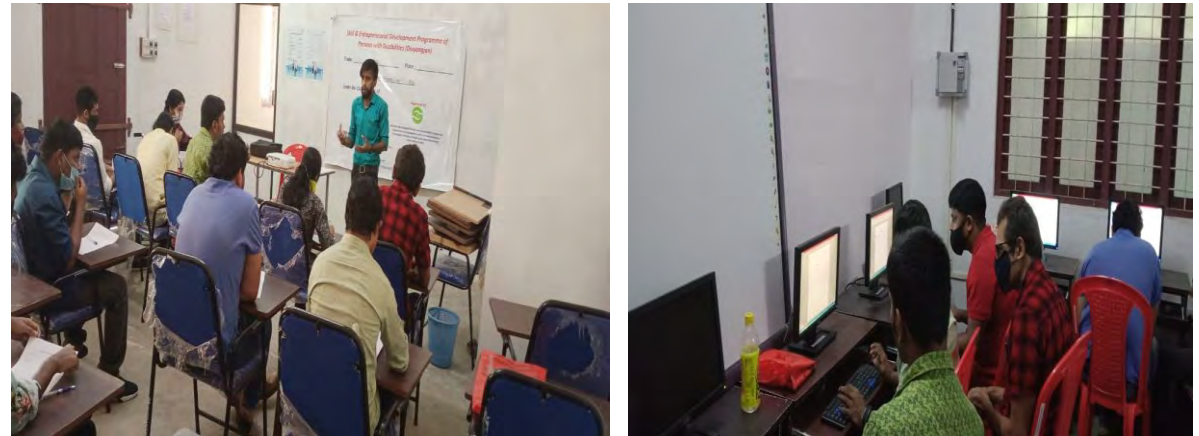
EDUCATION



Distribution of ladies bicycles to 2000 girls students of fisher folk community in the 9 coastal districts of Kerala



Construction of School library for Arumughavilasam LP school, Kannur



Skill training classes for Person with Disabilities (PWD's) in association with NHFDC.

EDUCATION



Infrastructure development of Laxmi Vilasam and LP school in Mannayad, Kannur



Tobacco consumption awareness campaign by CCRC



Need Assessment study in Vypin area conducted through Barath Mata College, Thrikkakara.



Training equipment or INSIGHT Coaching Programme conducted by Panoor Police.

EDUCATION



PLF supported 6 months residential vocational skill development Programme 'Naipunyam' for 120 underprivileged students in association with CIPET: Institute of Plastics Technology. The courses are offered for Injection molding and Plastic Processing.

PROMOTION OF ARTS & SPORTS



Promotion of the art form of Kathakali through Thripunithura Kathakali Kendram.



Development of playground for Elankunnapuzha Govt. HSS



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CSR Expenditure - Petronet LNG Limited, Kochi Terminal (FY 2020-21)						
Sl.No	Project Details	Category	Project Location	Approved / Committed (INR Lakh)	Payment done (INR lakh)	Project Status
Project carried forward for implementation from FY 19-20 to FY 20-21						
1	Support in the printing of Booklets for the Tobacco Consumption awareness Campaign by Cochin Cancer Research Centre, Kalammasery	Education	Ernakulam	1,80,000.00	1,80,000.00	Project Completed
2	Support towards the distribution of 2000 bicycles to the girl students from fishermen families	Education	9 Coastal Districts, Kerala	90,00,000.00	36,11,240.00	Project Completed. Advance of INR 45 Lakh was given in FY2019-20
3	Support towards the promotion of the art form of Kathakali through Tripunithura kathakali Kendram.	Promotion of Arts	Ernakulam	5,00,000.00	-	Project ongoing
4	Request to support in the infrastructure development of Arumughavilasam LP School, Pathiriyad	Education	Kannur	5,00,000.00	4,69,828.00	Project Completed
5	Conduct Need assessment survey in Vypin Area		Ernakulam	5,00,000.00	-	Project completed
6	Naipunyam' skill development program in association with CIPET Kochi for 120 underprivileged students for 2019-20	Education	Ernakulam	94,50,000.00	34,12,000.00	Project under implementation
7	Construction of Anganawadi in Elankunnapuzha Grama Panchayath, Vypin	Education	Ernakulam	4,96,000.00	-	Project under implementation
8	Developing a playground in Govt. higher secondary school, Elankunnapuzha, Vypin	Sports	Ernakulam	5,00,000.00	5,00,000.00	Project Completed
9	Infrastructure development of Mannayad Laxmi Vilasam LP school, Kannur.	Education	Kannur	2,97,000.00	2,97,000.00	Project Completed
10	Support towards the socially committed programme called 'INSIGHT' under Janamaithree police, Panoor	Education	Kannur	2,32,000.00	2,32,000.00	Project Completed
11	Improving the infrastructure facilities of Mannayad L.P school, Kannur	Education	Kannur	2,00,000.00	2,00,000.00	Project Completed

12	Proposal to install CCTV cameras at Goshree Junction & Vypin Jungar Jetty ensuring women safety & welfare of the people of Vypin area	Safety	Ernakulam	1,00,000.00	-	Project Completed
13	Toilet complex for SDPY school Edavanakad, Vypin	Health	Ernakulam	15,50,000.00	3,87,500.00	Project under implementation
14	Supply of Disaster Management equipment to Ernakulam District Administration to withstand the upcoming natural disasters affecting the district	Disaster Management	Ernakulam	24,99,000.00	24,99,000.00	Project Completed
15	Development of soil-less green median gardening using Bio- waste along Kochi metro rail corridor	Waste management	Ernakulam	4,50,000.00	1,50,000.00	Project under implementation
	Total (Rs.)			2,64,54,000.00	1,19,38,568.00	
Projects Approved in FY 2020-21						
11	COVID -19 Containment support to Indian Medical Association (IMA) through distribution of personal protective Equipments (PPE) kits to the health workers	Covid & Disaster Management	Ernakulam	18,13,000.00	18,13,000.00	Project Completed
12	Approval for the distribution of food and sanitization kit for the fishermen community in an around Vypin, Ernakulam	Covid & Disaster Management	Ernakulam	29,32,000.00	29,32,000.00	Project Completed
13	Distribution of PPE kits for the Airport Customs officers in Kerala	Covid & Disaster Management	Trivandrum, Kannur, calicut	6,86,070.00	6,86,070.00	Project Completed
14	Distribution of 500 nos of PPE kits, N95 mask and face shield for the health workers of Medical college Hospital, Kottayam	Covid & Disaster Management	Kottayam	3,97,125.00	3,97,125.00	Project Completed
15	PVS Apex COVID Centre	Covid & Disaster Management	Ernakulam	25,27,840.00	25,27,840.00	Project Completed
16	Safe Transportation for PWDs of Mahatma BUDs School	Education	Ernakulam	12,40,000.00	11,75,000.00	Project Completed
	Total (Rs.)			95,96,035.00	95,31,035.00	

CSR EXPENSES - Till March 2021

Sl. No	Financial Year	Total CSR Expenditure (Lakhs)
1	2013-14	25457793
2	2014-15	16008694
3	2015-16	22301262
4	2016-17	16826007
5	2017-18	7824860
6	2018-19	19145429
7	2019-20	15344487
8	2020-21	21469603
TOTAL (Forteen Crore Forty Three Lakhs Sevety Eight Thousand One Hundred and Thirty Five only		144378135

Annexure-3

ENVIRONMENT BUDGET - FY 2020-21			
Sl. No	Item	Amount (RS.)	Remark
1	Environment Monitoring charges	229146	
2	Consent fees to Pollution Control board	500	
3	Kitchen garden maintenance charges	44000	
4	Green Belt development & maintenance charges	6557394	
5	CSR expenditure for FY 2020-21	2,14,69,603	
6	World Environment Day Celebration	1,00,000	
7	IMS Annual surveillance audit (ISO14001)	50,000	
8	Hazardous waste disposal charges	100000	
9	Maintenance charges for CAAQMS (Continuous Ambient Air Quality Monitoring Station)	997248	
10	Maintenance charges for Environment statistics LED display	148500	
11	Waste Bin maintenance charges	100000	
12	STP Maintenance charges	739665	
Total (Three Crore Five Lakhs Thirty Six Thousand and Fifty Six only)		30536056	



TEST REPORT

ULR No: TC540220000004267F	Date: 30.12.2020	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	M/s Petronet LNG Limited Survey No.347, Puthuvypu P.O Kochi , Ernakulam District
Customer Reference	Test Request dt 23.12.2020

SAMPLE DETAILS			
Product Category	Water	Sample Code	WT20120052
Sample Name	Ground Water - Piezometer Pump	Sample Received on	23.12.2020
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	30 °C
Sample Quantity & Packing	2 litre & 100ml Plastic Bottle	Test Commenced on	23.12.2020
Sampled by	Lab Authorized Sampler	Test Completed on	30.12.2020
Information Provided by Customer	---		

DETAILS OF SAMPLING			
Sample Source	Ground Water - Piezometer Pump	Date of Sampling	23.12.2020
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	32 °C

TEST RESULTS - CHEMICAL PARAMETERS				
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT
1	pH	IS 3025 Part 11:1983 RA 2017	---	7.35
2	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	550
3	Turbidity	IS 3025 Part 10: 1984 RA 2017	NTU	570
4	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2014	mg/L	33.9
5	Iron (as Fe)	IS 3025 Part 53:2003 RA 2014	mg/L	10.1
6	Fluoride(as F)	APHA 23 rd Edition 4500-F- B D: 2017	mg/L	0.17
7	Sulphate (as SO ₄)	IS 3025 Part 24:1986 RA 2014	mg/L	42.1
8	Electrical Conductivity	IS 3025 Part 14:1984 RA 2013	µS/cm	846
9	Mercury (as Hg)	APHA (23 rd Edition)3112-B: 2017	mg/L	< 0.002
10	Lead (as Pb)	APHA (23 rd Edition)3111-B: 2017	mg/L	0.39


Shency Joy
Dy. TM Chemical

Checked by:


Leiju P. N.
Laboratory Head
Authorized Signatory

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard^S Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB

K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com

TEST REPORT


ULR No: TC540220000004267F		Date: 30.12.2020		Page 2 of 2	
11	Copper (as Cu)	IS 3025 Part 42:1992 RA 2014	mg/L	0.33	
12	Total Chromium (as Cr)	IS 3025(Part 52):2003	mg/L	<0.40	
13	Zinc (as Zn)	APHA 3111B 23rd Edn, 2017	mg/L	1.66	
14	Temperature	IS 3025 Part 9:1984 RA 2006	°C	30.0	
15	Salinity	SEAAL/SOP/06	ppt	0.06	
16	Oil & Grease	IS 3025 Part 39:1991 RA 2014	mg/L	53.0	
17	Dissolved Oxygen	IS 3025 Part 38:1989 RA 2014	mg/L	3.78	
18	Biochemical Oxygen Demand (3 days at 27 °C)	IS 3025 Part 44:1993 RA 2014	mg/L	78.6	
19	Chemical Oxygen Demand	IS 3025 Part 58:2006 RA 2012	mg/L	2964	
20	Cyanide (as CN)	IS 3025 (Part-27):1986 (Reaff.2003)	mg/L	< 0.01	
21	Cadmium (as Cd)	APHA (23 rd Edition) 3111-B: 2017	mg/L	< 0.03	
22	Pesticide	SEAAL/INS/RWM/SOP/01	---	Absent	

Note: Values given for test parameters Mercury, Lead, Copper, Chromium, Zinc, Cyanide and Cadmium are our MDL values (Minimum Detectable Values) as per NABL scope..

End of Report


Shency Joy
Dy. TM Chemical

Checked by:


Lajju P. N.
Laboratory Head
Authorized Signatory

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TEST REPORT

Test Report No: WT20120052	Date: 30.12.2020	Page 1 of 2
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CUSTOMER DETAILS	
Customer Name & Address	M/s Petronet LNG Limited Survey No.347, Puthuvypu P.O Kochi , Ernakulam District
Customer Reference	Test Request dt 23.12.2020

SAMPLE DETAILS			
Product Category	Water	Sample Code	WT20120052
Sample Name	Ground Water - Piezometer Pump	Sample Received on	23.12.2020
Sample Conditions at Receipt	Fit for Analysis	Temperature @ Receipt	30 °C
Sample Quantity & Packing	2 litre & 100ml Plastic Bottle	Test Commenced on	23.12.2020
Sampled by	Lab Authorized Sampler	Test Completed on	30.12.2020
Information Provided by Customer	---		


DETAILS OF SAMPLING			
Sample Source	Ground Water - Piezometer Pump	Date of Sampling	23.12.2020
Sampling Procedure	SEAAL/ENL/GEN/SOP/01& SEAAL/MBL/SOP/06	Sample Temperature	32 °C

TEST RESULTS - CHEMICAL PARAMETERS				
Sl.No.	PARAMETERS	TEST METHOD	UNIT	RESULT
1	Insecticide	USEPA 508 : 1995	---	Absent

End of Report


Shency Joy
Dy. TM Chemical

Checked by:


Rajju P. N.
Laboratory Head

Authorized Signatory

Standard^S Environmental & Analytical Laboratories

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