



Petronet LNG Limited

GIDC Industrial Estate, Plot No. 7/A, Dahej,
Taluka : Vagra, Dist. Bharuch (Gujarat) - 392130 (India)
Tel. : 02641 - 670200 / 257
www.petronetlng.com
CIN: L74899DL 1998PLCO93073
GST No. : 24AAACP8148D1ZM

REF: PLL/DHJ/HSE/MoEF/2023/03

Date: 27th January, 2023

To,

The Director (Environment)
Forests & Environment Department,
Government of Gujarat,
Block No. 14, 8th Floor, Sachivalaya,
Gandhinagar – 382 010

Sub : Half-yearly Compliance Report with respect to conditions stipulated by Ministry of Environment & Forests, Govt. of India and Department of Forests, Govt. of Gujarat for Expansion of LNG Terminal (Phase-II) at Dahej, Gujarat by M/s Petronet LNG Ltd. as on 31st December, 2022.

Ref : (a) J-17011/11/2000-IA-III dated 23rd Nov, 2005
(b) ENV-10-2004-117-P dated 28th Dec, 2005

Dear Sir,

The half yearly compliance report as on 31st December, 2022 with respect to conditions stipulated by Ministry of Environment & Forests, Govt. of India and Department of Forests, Govt. of Gujarat for Expansion of LNG Terminal (Phase-II) at Dahej, Gujarat by M/s Petronet LNG Ltd. is enclosed.

Thanking you,
Yours faithfully,
For Petronet LNG Limited


S B Singh
ED(Plant Head)
Petronet LNG Limited,
Dahej Terminal-392130

Copy to:-
Director,
Ministry of Env., Forest and Climate Change
Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi – 110 003

MoEF & CC
Integrated Regional Office
Room No 407 & 409
Sector 10A
A Wing Aranya Bhawan
Gandhinagar-382010

Unit Head - Bharuch Division
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10 A
GANDHINAGAR – 382 010 (Gujarat)

Regional Officer
Gujarat Pollution Control Board
C-1\119\3, GIDC, Phase – 2 , Narmadanagar
Bharuch – 392015 (Gujarat)

Regd. Off.:

World Trade Centre, First Floor, Babar Road,
Barakhamba Lane, New Delhi-110 001 (INDIA)
Tel.: 011 - 23472525, 23411411 Fax : +91-11-23709114

Kochi Site :

Survey No. 347, Puthuvypu
P.O. 682508, Kochi (INDIA)
Tel.: 0484-2502268

**HALF YEARLY COMPLIANCE REPORT (FOR THE PERIOD JULY 22 TO DECEMBER 22) TO THE
CONDITION MENTIONED IN MOE&F LETTER NO. J-17011/11/2000-IA-III DATED 23rd
NOVEMBER 2005
(For PHASE II EXPANSION)
AS ON 31.12.2022**

Point-wise compliance statement for the subject environmental clearance is as below:

	<u>CONDITIONS</u>	<u>STATUS</u>
(A)	<u>Special Conditions:</u>	
i	All the conditions stipulated by the Ministry vide Ministry's letter of even number dated 27.12.2000 and also Forest and Environment department, Government of Gujarat vide their letter No.ENV-10-2004-117-P dated 28.07.2005 should be effectively implemented.	Complied.
ii	All the conditions stipulated by GPCB in their NOC No. PC/BRCH_CCA_611/28337 dated Nil should be effectively implemented.	Complied. The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
iii	Quantitative risk analysis of the LNG terminal and associated facilities should be carried out taking into account the worst case scenario and based on formed up engineering design. The report should be submitted within 6 months. The central control room should be located well outside the risk zone	Complied. The Quantitative Risk Analysis (QRA) report for Phase I Project was submitted vide our letter no. PLL/ND/D-7/2K2 dated 18 th January 2002. The Coarse Quantitative Risk Analysis (QRA) report for the entire terminal including the Expansion Facilities submitted vide letter no. PLL/ND/D-7/2K7 dated 8 th June 2007. The control room is located outside the risk zone.
iv	Based on the risk analysis, Disaster Management Plan should be prepared and submitted to this Ministry within 6 months.	Complied. Disaster Management Plan was prepared and Submitted. ERDMP plan updated and recertify on 12/10/2022 by PNGRB approved agency M/s Bosai Safety and valid up to 11/10/2025. Please Refer Annexure – IV for valid ERDMP certificate

v	The details of the facilities to be provided by the company to the local population may be furnished within one month.	Complied. The details have been provided vide our letter no. PLL/ND/D-7/2K2 dated 18 th January 2002.
vi	The construction material shall be obtained from the approved quarries. In case new quarries need to be opened up, specific approval for the same should be obtained.	Complied. Complied during Project Phase. The construction work was completed for expanding the facilities at Dahej (i.e. Phase II). Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
vii	No change in scope of work should be made without prior approval of this Ministry.	Complied. Construction work completed without any change in the scope of work.
viii	It should be ensured that no project activities including pipeline shall fall within CRZ-I (i).	Complied. No project activities fall within CRZ-I (i)
ix	Expansion of existing service road into Coastal Regulation Zone – I(i) areas is strictly prohibited.	Complied. No road service road expansion in road into Coastal Regulation Zone – I(i) areas
x	The construction design relating to the project should be reviewed to ensure their safety keeping in view the seismic potential of the area.	Complied during design stage.
xi	No ground water should be used for the project.	Complied. No ground water was used during construction stage.
xii	The projects proponents should make specific arrangement for rain water harvesting in the project design and the rain water so harvested should be optimally utilized.	The LNG terminal has been set up very near to the coast line at Dahej where water table is very high. Moreover the sea water is brackish in that area. Preliminary investigation indicates that it might not be feasible to carry out rain water harvesting in this area. The process water requirement in LNG terminal at Dahej is NIL.

xiii	The project proponent will undertake mangrove a forestation in consultation with Forest department, Government of Gujarat in the adjacent area abutting the site. A detailed plan should be worked out in this regard and submitted to this Ministry within 3 months.	Complied. Following Mangrove Plantation Completed along the Gujarat Coast in consultation with GEC & Forest Dept.: Completed : 1150 Hectares (2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15 & 2016-17)
xiv	The budget allocated for environment safeguarding measures shall not be diverted for any other purposes.	Complied Separate Environment budget is allotted and monitored regularly.
(B)	GENERAL CONDITION	
i	Construction of the proposed structures should be undertaken meticulously conforming to the existing central / local rules and regulations including CRZ notification, 1991 & its amendments. All the construction designs / drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments/ Agencies.	Complied. All the required statutory approval were obtained The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
ii	The proponent shall ensure that a result of the proposed construction, ingress of the saline water in to the ground water does not take place. Piezometer for this purpose at appropriate locations on the project site.	Complied. During construction no water was drawn from ground & no ingress of saline water took place. Piezometers are installed and regular ground water analysis done from GPCB approved agency. Please Refer Annexure – II for Environment monitoring data.
iii	Handling, manufacturing, storage and transportation of all hazardous chemicals should be carried out in accordance with MSIHC rule 1989 and subsequent amendments. All the approvals from state & central nodal agencies including OISD chief controller of explosives, chief inspectorate of factories must be obtained. A comprehensive contingency plan in collaboration with the concerned authorities must be formulated before commissioning of the project to meet any eventuality in case of an accident.	Complied. All relevant approvals of state and central nodal agencies, DISH, CCOE, CIF for construction and operation of the facilities are in place. Emergency response plan is in place and updated periodically. Please Refer Annexure – IV for valid ERDMP certificate The said expansion project was commissioned in April, 2009.

iv	<p>A well-equipped laboratory with suitable instruments to monitor the quality of air and water shall be set up so as to ensure that the quality of ambient air and water conforms to prescribed standards. They will also equipped with qualified manpower including a marine biologist so that marine water quality is regularly monitored in order to ensure that the marine life is not adversely affected as a result of implementation of the said project. The quality of ambient air and water shall be monitored periodically in all seasons and the results should be properly maintain and for the inspection of the concerned pollution agencies. The periodic monitoring reports at least once in 6 months must be sent to this ministry (Regional office at Bhopal) and SPCB.</p>	<p>Noted for compliance.</p> <p>Environment monitoring is being carried out through GPCB approved outsourcing agencies as per GPCB guidelines. Analytical report is enclosed as Annexure- II.</p> <p>Dahej, Sea water is not being used for vaporizers or any other purpose. Instead, air heaters using atmospheric air is being used for vaporizing the LNG. Since there is no intake of sea water and out flow of water into the sea, hence it is felt that a marine biologist may not be required.</p>
v	<p>Adequate provisions for instrumentation facilities such as water supply, fuel for cooking, sanitation etc. must be provided for the laborer during the construction period to avoid the damage to the environment. Colonies for the laborers should not be located in the CRZ area. It should also be ensured that the construction workers do not cut trees including mangroves for fuel wood purpose.</p>	<p>Complied.</p> <p>All welfare facilities were given to labors during project stage.</p> <p>The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.</p>
vi	<p>To prevent discharge of sewage and other liquid wastes into the water bodies, adequate system for collection and treatment of wastes must be provided. No sewage and other liquid wastes without treatment should be allowed to enter in to water bodies.</p>	<p>Complied.</p> <p>Domestic waste are treated in soak pits and STP.</p> <p>100 KLD STP plant is commissioned to treat domestic waste water.</p>
vii	<p>Appropriate facility should be created for the collection of solid & liquid wastes generated the barges/ vessels and their safe treatment and disposal should be ensured to avoid possible contamination of the water bodies.</p>	<p>Complied.</p> <p>Contracts for engaging the vessel stipulate that the vessels comply with these requirements including MARPOL. Besides LNG vessel is berthed for 24 hours only and it is equipped with incinerator and sewage treatment.</p>
viii	<p>The project authorities should take appropriate community development and welfare measures for the villagers in the vicinity of the project site, including drinking water facilities. A separate fund should be allocated for this purpose.</p>	<p>Complied</p> <p>Compliance report is attached as Annexure III</p>

ix	The quarrying material required for the construction purposes shall be obtained only from the approved quarries/borrow areas. Adequate safeguard measures shall be taken to ensure that the overburden and rocks at quarry site do not find their way into water bodies.	Complied. The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
x	For employing unskilled, semiskilled and skilled workers for the project, preferences shall be given to local people.	Complied. PLL has recruited fair number of local people. For ancillary and support functions as security services, firefighting, and green belt maintenance etc. PLL is giving preference to local people.
xi	The recommendation made in the environment management plan and disaster management plan, as contained in the EIA and risk analysis reports of the project shall be effectively implemented.	Complied. All the recommendation of risk analysis and EIA are complied. Emergency response plan is in place and updated periodically. Please Refer Annexure – IV for valid ERDMP certificate
xii	A separate environment management cell with suitably qualified staff to carry out various environment related functions should be set up under the charge of senior executive who will report directly to the chief executive of the company.	Complied. Health safety and environment management cell exists at site. Total three HSE persons are employed headed by Sr. Manager in HSE dept. Head HSE is directly report to plant head and occupier of company.
xiii	The project affected people, if any should be properly compensated and rehabilitated	Complied.
xiv	The funds earmarked for environment protection measures should be maintained in the separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to the ministry.	Noted for compliance. Rs. 33.22 Lac spent for development of Green Belt and Mangrove Plantation during the year 2009-10. Rs. 50 Lac spent for development of Green Belt and Mangrove Plantation during the year 2010-11. Rs 93.31 Lacs spent for development of Green Belt and Mangrove plantation during the year 2011-2012



		<p>Rs. 109.57 Lac spent for development of Green Belt and Mangrove Plantation during the year 2012-13.</p> <p>Rs. 95.20 Lac spent for development of Green Belt and Mangrove Plantation during the year 2013-14.</p> <p>Rs 81.68 Lacs spent for development of Green Belt and Mangrove plantation during the year 2014-15.</p> <p>Rs 42.20 Lacs spent for development of Green belt and Mangrove plantation during the year 2015-16.</p> <p>Rs. 77.96 Lacs spent for development of Green Belt and Mangrove Plantation during the year 2016-17.</p> <p>Rs. 71.08 Lacs spent for development of Green Belt and Mangrove Plantation during the year 2017-18.</p> <p>Rs. 60.93 Lacs spent for development of Green Belt and Mangrove Plantation during the year 2018-19.</p> <p>Rs. 51.10 Lacs spent for development & maintenance of Green Belt during the year 2019-20.</p> <p>Rs. 78.96 Lacs spent for development & maintenance of Green Belt during the year 2020-21.</p> <p>Rs. 76.26 Lacs spent for development & maintenance of Green Belt during the year 2021-22.</p> <p>Rs. 57.35 Lacs spent for development & maintenance of Green Belt during the year 2022-23 (For period April 22 to December 22).</p> <p>STP operational cost is Rs. 5.82 Lacs (For period April 22 to December 22).</p>
xv	Full support should be extended to the officers of this ministry's regional office at Bhopal and the officers of the central and state pollution control boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative	<p>Noted for compliance.</p> <p>PLL is committed to provide full support during site inspection of statutory agency and required data are provided.</p>

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	measures and other environmental protection activities.	
xvi	In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to the ministry or modification in the clearance conditions or impositions of new ones for ensuring environmental protection. The project pronouncements should be responsible for implementing the suggested safeguard measures.	No deviation or alternation during the project. The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
xvii	The ministry reserves the right to revoke this clearance, if any of re condition stipulated or not complied with to the satisfaction of this ministry.	Agreed. No Such case till date.
xviii	The ministry or any other competent authority may stipulate any other additional conditions subsequently if deemed necessary for environmental protection which shall be complied with	Agreed.
xix	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the state pollution control board and may also been at web site of the ministry of environment & forest at http://www.envfor.nic.in . The advertisement should be made within 7 days from the date of issue of clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.	Complied. The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004
xx	The project proponents should inform the regional office as well as the ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of the land development work.	Complied. Expansion project is completed and Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.

ANNEXURE-I

Compliance to conditions as conveyed by Department of Forests & Environment, Govt. of Gujarat, Letter No. ENV-10-2004-117-P dated 28th December, 2005

As on 31.12.2022

Point-wise compliance statement for the subject environmental clearance is as below:

<u>SR. NO.</u>	<u>CONDITIONS</u>	<u>STATUS</u>
1	The provisions of CRZ notification of 1991 and subsequent amendments issued from time to time.	Noted for compliance.
2	The PLL shall obtain necessary permissions from different Government Departments / Agencies before commencing the expansion activities.	Complied. All the required statutory approval were obtained The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
3	No effluent or sewage shall be discharged into the sea / creek or in the CRZ area and shall be treated to conform the norms prescribed by the Gujarat Pollution Control Board and would be reused / recycled within the plant premises.	Complied. Domestic waste water threated through sock pit and STP and no process effluent generated. Treated water from STP is reused for gardening and horticulture purpose.
4	All the recommendations and suggestion given by the NIOT and WAPCOS in their Environment Impact Assessment reports shall be implemented strictly.	Complied.
5	The PLL shall be paid the cost of the external agency that may be appointed by this department for supervision / monitoring of the project activities during construction / operational phases.	Noted for compliance. PLL agree to born cost of external agency appointed by this department



6	The PLL shall contribute financially for any common study or project that may be proposed by this Department for environmental management / conservation / improvement for the Gulf of Khambhat or for Dahej region.	Noted for compliance. PLL agree to contribute financially for any common study proposed by this department
7	The construction debris and any other type of waste shall not be discharged into the sea / creek or in CRZ areas. The debris shall be removed from construction site immediately after construction is over.	Complied. The construction work was completed for expanding the facilities at Dahej (i.e. Phase II) and necessary approvals obtained. Phase-II was commissioned in April 2009. The Phase I is operational since April 2004.
8	The PLL shall prepare and regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency Plan.	Noted for compliance. Oil spill contingency and Disaster management plan updated periodically. ERDMP plan updated and recertify on 12/10/2022 by PNGRB approved agency M/s Bosai Safety and valid up to 11/10/2025. Please Refer Annexure – IV for valid ERDMP certificate
9	The Gujarat Maritime Board shall initiate for the Vessel Traffic Management system for the Gulf of Khambhat and would work out the modus operandi for cost sharing by the different players in the Gulf including the PLL. The PLL shall contribute for the same as may be decided by the Gujarat Maritime Board.	Complied. Gujarat Maritime Board has established VTS System and PLL is complying all norms as per Gujarat Maritime Board.
10	The PLL shall bear the cost of the external agency that may be appointed by this Department for supervision / monitoring of proposed activities and the environmental impacts of the proposed activities.	Complied. PLL agree to born cost of external agency appointed by this department
11	The applicant shall ensure that there will be no disposal of sullage and sewage generated from construction camps, surface run-off from construction sites, and grease spillage from construction equipment into the sea or the CRZ area.	Complied. There were no waste disposal into sea or the CRZ area during project stage.

	General Conditions:	
12	The ground water shall not be tapped to meet with the water requirements in any case.	Noted for compliance. Ground Water was not used in construction.
13	The PLL shall take up massive mangrove plantation activities as well as greenbelt development activities in consultation with the Gujarat Institute of Desert Ecology / Forest department.	Complied. Following Mangrove Plantation Completed along the Gujarat Coast in consultation with GEC & Forest Dept.: Completed : 1150 Hectares (2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15 & 2016-17) Please Refer Annexure – V for Mangrove plantation
14	The PLL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forest and Environment Department and the District Collector / District Development Officer.	Complied. Compliance report is attached as Annexure III
15	Environmental Audit report indicating the changes, if any with respect to the baseline quality, in the coastal and marine environmental shall be submitted every year.	Complied. PLL is ISO 14001(Environment Management System) certified company. Procedure are adopted and followed strictly to protect the environment. Annual external environmental audit for ISO 14001 certification is carried out . Pls refer Annexure VI for ISO 14001 certificate. Also,Monthly Environmental monitoring done through GPCB approved agency and all parameters are under prescribed limit. Pls refer Annexure II for

		<p>Environment monitoring data.</p> <p>Six Monthly Marine ecological monitoring is also carried out for monitoring marine ecological condition. Last Marine ecological monitoring was conducted on 17th December ,2022 by authorized vendor M/s Unistar Environment and Research Labs Pvt. Ltd.</p>
16	The PLL shall have to contribute financially to support the National Green Corps Scheme being implemented in Gujarat by the GEER Foundation, Gandhinagar, in consultation with Forests and Environment Department	<p>Agreed.</p> <p>PLL agree to contribute financially to support the National Green Corps Scheme being implemented in Gujarat by the GEER Foundation, Gandhinagar, in consultation with Forests and Environment Department</p>
17	A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by the PLL on regular basis to this Department.	<p>Noted for compliance.</p> <p>Half yearly compliance report submitted regularly.</p>
18	Any other condition that may be stipulated by this Department from time to time for environmental protection / management purpose shall also have to be complied with by the PLL.	Agreed and noted for compliance.

ANNEXURE - II - ENVIROMENT DATA

AMBIENT AIR QUALITY STATUS REPORT

All units are in $\mu\text{g}/\text{m}^3$.

Sr.no.	Month	PM10		PM2.5		SOx		NOx		HC as Methane CH ₄	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
	NAAQ norms	100 $\mu\text{g}/\text{m}^3$		60 $\mu\text{g}/\text{m}^3$		80 $\mu\text{g}/\text{m}^3$		80 $\mu\text{g}/\text{m}^3$		Absent	
1	Jan-22	66.00	88.00	16.00	32.00	10.50	19.60	14.50	22.60	BDL	BDL
2	Feb-22	64.00	88.00	17.00	34.00	11.10	18.90	11.40	22.40	BDL	BDL
3	Mar-22	71.00	88.00	18.00	33.00	10.20	18.70	12.50	22.60	BDL	BDL
4	Apr-22	72.00	88.00	21.00	33.00	11.50	18.90	14.10	22.40	BDL	BDL
5	May-22	74.00	88.00	21.00	34.00	10.30	19.60	14.20	22.40	BDL	BDL
6	Jun-22	71.00	86.00	21.00	33.00	11.60	19.40	13.50	22.40	BDL	BDL
7	Jul-22	64.00	88.00	18.00	32.00	10.80	18.70	12.30	21.30	BDL	BDL
8	Aug-22	61.00	81.00	16.00	28.00	10.30	18.40	13.60	20.10	BDL	BDL
9	Sep-22	62.00	78.00	20.00	28.00	10.30	18.70	14.60	21.10	BDL	BDL
10	Oct-22	64.00	84.00	21.00	28.00	11.20	17.10	13.60	19.40	BDL	BDL
11	Nov-22	71.00	88.00	21.00	33.00	11.60	18.40	13.40	21.30	BDL	BDL
12	Dec-22	71.00	88.00	21.00	28.00	11.40	18.40	12.40	22.40	BDL	BDL
	Range (Jan-22 to Dec 22)	61-88		16-34		10.2-19.6		11.4-22.6		BDL	

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STACK EMISSION AIR QUALITY STATUS REPORT

Sr.no.	Month	GTG		
		SPM	SO _x	NO _x
GPCB norms		150 mg/NM ³	100 ppm	50 ppm
1	Jan-22	Not monitored due to non operational GTGs		
2	Feb-22	Not monitored due to non operational GTGs		
3	Mar-22	Not monitored due to non operational GTGs		
4	Apr-22	Not monitored due to non operational GTGs		
5	May-22	Not monitored due to non operational GTGs		
6	Jun-22	BDL	BDL	15.30
7	Jul-22	Not monitored due to non operational GTGs		
8	Aug-22	BDL	BDL	14.20
9	Sep-22	BDL	BDL	17.30
10	Oct-22	BDL	BDL	11.60
11	Nov-22	BDL	BDL	15.30
12	Dec-22	BDL	BDL	14.30
	Range (Jan-22 to Dec-22)	BDL	BDL	17.30

BDL: Below Detection Level.

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NOISE LEVEL REPORT

Sr.no.	Location	Unit	Limit	Jan-22		Feb-22		Mar-22		Apr-22		May-22		Jun-22		Jul-22		Aug-22		Sep-22		Oct-22		Nov-22		Dec-22	
				L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}	L _{day}	L _{night}
1	North	decibel	Day-75 db Night-70db	72	51	73	55	72	56	71	54	74	58	72	56	74	54	55	45	55	42	51	42	52	41	52	42
2	East	decibel	Day-75 db Night-70db	66	54	68	54	71	51	67	56	72	55	68	54	66	52	54	42	53	42	51	43	49	45	52	44
3	West	decibel	Day-75 db Night-70db	71	52	74	56	73	54	68	52	69	52	70	55	69	54	52	42	51	43	52	41	50	42	51	42
4	South	decibel	Day-75 db Night-70db	69	56	71	51	74	52	72	55	71	54	73	58	72	52	47	42	49	42	50	42	48	42	52	41

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GROUND WATER QUALITY STATUS REPORT

Sr.no.	Parameter	Unit	Mar-22		Jun-22		Sep-22		Dec-22	
			GW1	GW2	GW1	GW2	GW1	GW2	GW1	GW2
1	Temperature	*C	29	29	30	30	29	29	28	28
2	PH	-	8.5	8.52	9.13	9.13	8.09	7.88	8.9	8.45
3	Total Dissolved Solids (TDS)	mg/L	3220	3290	2410	2800	972	448	2076	2388
4	Chlorides as CL	mg/L	749.8	599.8	459.8	719.7	286.5	106.8	631.6	607.5
5	Sulphate as SO4	mg/L	330	337	309.8	182.6	116.3	113	197	420.8
6	BOD (5 days @ 20°C)	mg/L	5	6	BDL	BDL	BDL	BDL	BDL	BDL
7	COD	mg/L	20.2	24.3	BDL	BDL	BDL	BDL	BDL	BDL
8	Oil & Grease	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	Phenolic Compound	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10	Zinc as Zn	mg/L	BDL	BDL	BDL	BDL	BDL	0.056	BDL	BDL
11	Total Chromium as Cr+3	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12	Lead as Pb	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	Cyanide as CN	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
14	Flouride as F	mg/L	1.35	2.3	2.14	2.12	0.8	0.4	2	1.3
15	Copper as Cu	mg/L	BDL	BDL	BDL	BDL	BDL	0.059	BDL	BDL
16	Insecticide	mg/L	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
17	Pesticide	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
18	Mercury as Hg	mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
ND*: Not detected										

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MARINE WATER QUALITY STATUS REPORT

Sr.no.	Parameter	Unit	Mar-22	Jun-22	Sep-22	Dec-22
			MW	MW	MW	MW
1	Temperature	*C	29	30	30	28
2	PH	-	7.62	8.06	7.98	7.92
3	Color	Co-pt	60	50	30	40
4	Total Suspended Solids	mg/L	842	1380	36	648
5	Total Dissolved Solids (TDS)	mg/L	32160	30164	17300	HVR >10000
6	Chlorides as CL	mg/L	19393.9	18344.3	11233.4	HVR>5000
7	Sulphate as SO4	mg/L	2860	2986	1507	HVR >2000
8	BOD (5 days @ 20°C)	mg/L	40	36	12	190
9	COD	mg/L	131.3	125.4	40.2	581.2
10	Oil & Grease	mg/L	BDL	BDL	BDL	BDL
11	Phenolic Compound	mg/L	BDL	BDL	BDL	BDL
12	Zinc as Zn	mg/L	0.096	0.106	0.133	0.174
13	Total Chromium as Cr+3	mg/L	0.077	0.089	BDL	0.099
14	Lead as Pb	mg/L	BDL	BDL	BDL	BDL
15	Cyanide as CN	mg/L	BDL	BDL	BDL	BDL
16	Flouride as F	mg/L	1.34	2.8	1.4	BDL
17	Copper as Cu	mg/L	BDL	BDL	0.051	0.072
18	Insecticide	mg/L	N.D.	N.D.	N.D.	N.D.
19	Pesticide	mg/L	BDL	BDL	BDL	BDL
20	Mercury as Hg	mg/L	BDL	BDL	BDL	BDL
21	Hexavalent Chromium as Cr+6	mg/L	BDL	BDL	BDL	BDL
22	Nickel as Ni	mg/L	0.084	0.077	BDL	BDL
ND*: Not detected						

Bomali

ANNEXURE –III

CSR DETAILS

PLL has constructed a temple at the site for the local people and has contributed towards infrastructure in the area for roads and drinking water.

Community development and welfare measures are taken. Village Luwara has been jointly adopted along with another nearby industry, as directed by PCPIR Welfare Society. Separate fund allocated for CSR.

Some of the schemes completed/under progress are Health Center (construction & operation), drainage and provision of street lights at Village Luwara. Rupees 75 lakh contributed to PCPIR Welfare Society. Two ladies from Luwara village sponsored for nursing course at Vidhyadeep Community college, Bharuch. Sponsored construction of Sanitation scheme at village Muller. Active participation in other Government initiated community development programs.

Installed 10 nos. Emergency solar lighting at prominent places in village Luwara. Donated Rs.1 lac for Bharuch District Civic centre development. Participated in Govt. scheme on KanyaKelvani. Installation of drainage crossings to remove accumulated water at 4 locations within the village Luwara at a cost of Rs. 0.8 lacs. Construction of approach road in village Lakhigaon, Dahej.

PLL has sponsored 'Mataria Talav drinking water project' of the Bharuch Municipality Corporation. This project is for the supply of sweet drinking water from the Narmada River to the residents of Bharuch city. MD&CEO handed over cheque for Rs. 25 Lacs to the Collector, Bharuch on 13/06/2011 and further, PLL added Rs. 20 Lacs for the 'Mataria Talav drinking water project'

PLL installed 50 nos. Emergency solar lighting at prominent places in village Luwara & 10 nos. Emergency solar lighting at prominent places in village Lakhigam of Vagra Taluka in Bharuch District. Provided School Bus to Primary School at Lakhigam Village and also running Primary Health Center at Luwara Village. PLL constructed Bus-stand and extended Gram Panchayat Bhavan building at Luwara Village.

PLL installed 25 Nos. of Solar lights at prominent places in village Lakhigam and Luwara. Contributed Rs. 20 Lakhs in Akshay Patra mid-day meal scheme at villages in and around Dahej location. Also, contributed Rs. 10.00 Lakhs in Gujarat Lion Conservation Society towards procurement of Vehicle.

Primary health services to Luvara village, Gynec health and Pulse Polio campaign (Pakhajan PHC). PLL supported noble cause of Construction of Storm water drainage at Shravan Chokdi to Jambusar by pass (over bridge) in Bharuch. This project is executed under District Collector office.

Request from CDHO (Chief District Health Officer) was received to participate in various health initiatives. PLL agreed during meeting with DM to provide the ambulance for PHC, Pakhajan Village of Vagra Taluka. PLL is supporting Luvara School for reference books, uniform, school picnic and creating awareness on environment, health, safety and security aspects through various programs regularly, rewarding bright students etc. PLL celebrated Shala Pravesh Utsav at Luvara School and distributed tool box to children.

Bharuch has problem of solid waste management and garbage disposal. To improve on cleanliness of the town, PLL is supporting initiative of GREEN BHARUCH CLEAN BHARUCH by donating two dumper placer worth Rs. 23.94 Lakh.

Due to delay in recruitment of teachers, primary schools in and around Dahej has 40% teaching staff. To support education by deploying young educated teachers, PLL sponsored 14 teachers in 4 schools of villages of Dahej, Lakhigam and Luvara.

PLL constructed 11houses of homeless tribes in Luvara village at a cost of 25 Lakh. PLL initiated drive to make Luvara open defecation free by sponsoring toilets for 172 houses at a cost of Rs. 17.2 Lakh.

As a part of initiate for Swachh Bharat Abhiyan, PLL constructed five toilet blocks for school at Lakhigam, Luvara, Ambetha, Jageshwar & Dahej. Also, PLL has constructed 91 Toilet blocks at an estimated expenditure of Rs. 172 Lakhs for various schools in fifteen district of Assam in co-ordination with Rashtriya Madhiyamik Siksha Abhiyan (RMSA).

Cancer screening done (Pep and Breast) for female above 18 years at Luvara village. Establishment of equipment for Ultra Sonography Ward done at General/Civil Hospital, Bharuch. Motivational Awards (Academics and punctuality), School kit and reference books given for Luvara School students. Nutrition and clothing kit (105 nos.) was given to under nourished baby and mother.

PLL has sponsored Drawing competition, Educational tour and uniform distribution at Primary School Luvara. PLL sponsored Medical Equipment such as Eye sight testing, ECG Machine, Spirometer, Pulse Oxymeter etc. to Luvara Primary Health Centre. PLL also celebrated Swatch Bharat Pakhwada during 16th June, 2016 to 30th June, 2016 in co-ordination and consultation with neighboring villages, communities, schools etc.

T. B. M. S.

The launch of Project Vidhyagam was organized in Luwara Primary School wherein a classroom library for std. 7 & 8 students is setup. About 130 books (syllabus and general reading including comics, biographies, story books, general knowledge, science fiction in Gujarati, Hindi and English language) has been kept in the library. The idea behind this project is that students develop interest in reading and thus studying. The PLL Disha Ladies Club organized for food and distribution of educational kits for 65 girls in the Orphanage in Bharuch on 11th Sept 2016. A focused group discussion on importance of hygiene and cleanliness was organized by Ladies club members as well.

Roofing item worth Rs. 2 Lacs was provided to the Gram Panchayat Office of Luwara Village for construction of house for 10 tribal families living below the poverty line. This material consisted of cement roof, channel, and hooks. It is expected that the construction of houses will be done by mid-January 2017.

Petronet LNG Limited celebrated the World Sight Day on 13th October 2016 by organizing the Eye Screening Camp for contractual labor at the company premises. The camp was organized in association with Wockhardt Foundation and about 200 labor and 60 employees participated in the same. During the camp; 125 specs and 60 unit of drops were distributed to beneficiaries based on assessment by Doctors.

On the occasion of 147th birth anniversary of Father of Nation Shri Mahatma Gandhi Health and Hygiene talk, Swachhta Selfie Campaign, Drawing Competition at Govt. High School, Lakhigam and other activities were organized as part of Swachh Bharat Abhiyaan.

It is observed that there is a shortage of regular teachers in local schools and severely hampering the quality of education of poor children in schools. To mitigate this problem, PLL has started supporting para teachers in local school and ensuring improvement in quality of education in local schools.

PLL CSR team participated in world school day celebration on 23 March, 2017. As a part of celebration PLL has distributed Uniforms to Std. 8th Students. It was decided to provide two pair of uniforms to all students in school. The uniforms were prepared by Sardar Mahila Vikas Mandal a group of tribal women for employment generation and livelihood opportunity. PLL provided work order worth of Rs. 2,23,980/-

As the students studying in primary schools are coming from BPL and poor families, most of the families are not able to afford educational tours for their children. Every year school is organizing such tour sponsored by PLL. Students will get exposures to various places and gain experience. About 150 students get benefit of this tour and

places covered like Dwarka, Somnath, Porbandar, Smruti Mandir, Naheru Planetorium, Sasan Gir etc.

PLL had sponsored community mass marriage of weaker community, participated in Shala Pravesh Utsav 2017, planted 150 of trees in nearby villages, distributed food packages during water logging observed at nearby villages, supported empowerment of Special children, engaged contractor for repair and maintenance of Toilets in nearby School, arranged sessions for awareness on solid waste management at school.

PLL supported 10th Special Olympics, Bharuch in January, 2018, sponsored project “Kaushal Setu” Skill Development Program with CIPET, Ahmedabad and trained 100 underprivileged youth, supported educational tour for Primary School of Luvara Village, provided para-teachers at school of nearby villages, sponsored community mass marriage of weaker community, supported “Startup Village” project towards Rural Youth Entrepreneurship Development Program, Supporting Swachh Bharat Abhiyan by District Administration Bharuch (Heritage Walk).

PLL signed MoA with Samagra Shiksha Abhiyan, Department of Education, Govt. of Gujarat on 23rd Jan. 2019 at Govt. Primary School, Luvara village for the Development of Primary School at Luvara Village. PLL supported District Level Special Olympics Games which was organized on 23rd February 2019. Around 250 special children, 150 volunteers including PLL volunteers and coaches participated during the event.

(July, 2019 to Dec. 2019)

PLL has signed MoU with ALIMCO to provide Aids and Equipment to disables of Bharuch District. PLL has signed MoU with Wockhardt Foundation to run Mobile Medical Unit (MMU) in nearby villages of PLL plant area. PLL has signed MoU with NHFDC to provide skill training to disable youth of Bharuch District. PLL has supported relief camp for affected community near Lakhigam during monsoon season.

(Jan.2020 to June 2020)

PLL has conducted assessment camps at Jambusar and Vagra Taluka of Bharuch Distrcit to Aids and Equipment to disables. Kaushal Setu Skill Training with CIPET Ahmedabad 78 candidates have completed the training and 90% of them got job with the salary range of Rs. 9000 to Rs. 12000. PLL has conducted District Level Special Olympics in partnershp with Kalrav Trusy Bharuch and Special Olympics, Gujarat. As a part of COVID-19 pendemic response, PLL has contributed Rs. 34.00 lakhs to

Smruti

District Health Office, Bharuch to procure PPE Kits, Masks and Sanitise materials for COVID-19 workers. PLL has provided 4300 nos. of Ration kits worth of Rs. 25.00 lakhs to Migrant Labours, and Poor Families of nearby villages. Petronet LNG Limited (PLL) under its CSR initiatives aims at distributing 1,00,000 face masks to the migrant labor communities, slum dwellers, nearby hospitals, local police authorities & Government Offices to combat COVID-19 in the Bharuch District of Gujarat.

(July 2020 to December 2020)

PLL has supported Construction of Primary School, at Luvara village worth of Rs. 1.71 Crore. Construction is about to complete by March, 2021. PLL has distributed aids and equipment to about 250 disabled beneficiaries at Jambusar and Vagra Taluka of Bharuch District. As a part of COVID-19 pandemic response, in addition to supporting District Health Office (CDHO) and Distributing Ration Kits to Migrant Labours, and Poor Families of nearby villages, PLL has prepared 1,00,000 cotton masks through Women SHGs of Bharuch District. About 80 women got indirect employment during pandemic through this initiative. These masks were distributed among local communities of nearby villages, health workers, labour community, Nagarpalika Sawachhta Karmchari, Special Children and their families, Vegetable vendors, Local Police authorities, Government Offices, Security Guards, PLL employees also participated in mask distribution initiative. These masks were made of Cotton considering its environment aspect for reusable and bio-degradable properties.

(January, 2021 to June, 2021)

PLL/PLF has signed agreement with Wockhardt Foundation to run Mobile Medical Unit (MMU) in nearby villages of PLL plant area. This MMU is providing its services to nearby villages like Lakhigam, Navi Nagari, Luvara, Jageshwar, Ambetha. More than 5500 patients have been benefited during last six months. PLL/PLF has signed agreement with NHFDC to provide skill training to disabled youth of Bharuch District. First batch of 30 candidates started from April, 2021. PLL/PLF has signed agreement with MOKSHDA to install environment friendly green crematorium system to reduce excessive use of wood. The works are under progress, Construction of Govt. Primary School at Luvara village with 12 classrooms and modern amenities worth of Rs. 1.71 Crs. and Construction of 24 Nos. of widow quarters for BSF worth of Rs. 5.87 Crs. are going to be completed by end of July, 2021. PLL/PLF skill training partner CIPET, Ahmedabad has completed skill training of 75 candidates and remaining 25 candidates are under progress. Candidates have secured jobs of Rs. 10,000 per month to Rs. 15,000 per month post completion of training programme. Most of the CSR projects got delayed due to COVID-19 restrictions.



(July, 2021 to December, 2021)

PLL/PLF has signed agreement with Wockhardt Foundation to run Mobile Medical Unit (MMU) in nearby villages of PLL plant area. This MMU is providing its services to nearby villages like Lakhigam, Navi Nagari, Luvara, Jageshwar, Ambetha. More than 8500 patients have been benefited during last six months. PLL/PLF has signed agreement with NHFDC to provide skill training to disable youth of Bharuch District. First batch of 30 candidate started from April, 2021 and second batch of 20 candidates started in August, 2021 and both batches have been completed during December, 2021. PLL/PLF has signed agreement with MOKSHDA to install environment friendly green crematorium system to reduce excessive use of wood. The works are under progress, Construction of Govt. Primary School at Luvara village with 12 classrooms and modern amenities worth of Rs .1.71 Crs. and Construction of 24 Nos. of widow quarters for BSF widow's worth of Rs. 5.87 Crs. are completed. PLL/PLF skill training partner CIPET, Ahmedabad has completed skill training of 93/100 candidates. Candidate have secured job of Rs. 10,000 per month to Rs. 15,000 per month post completion of training programme. PLL has signed agreement with Bharuch Nagarpalika to provide support for Disaster Management and Swachh Bharat Abhiyan, Bharuch Nagarpalika would procure one fire tender and Road sweeping machine with the financial support of Rs. 1.93 Cr. under PLL CSR Initiatives. PLL has signed an agreement with Gujarat CSR Authority (GCSRA) for construction of Panchayat Bhavan at Lakhigam village. PLL has supported Development of Green Zone beneath newly constructed flyover bridge at Bharuch City.

(January, 2022- June, 2022)

PLL/PLF has signed agreement with Wockhardt Foundation to run Mobile Medical Unit (MMU) in nearby villages of PLL plant area. This MMU-1 is providing its services to nearby villages like Lakhigam, Navi Nagari, Luvara, Jageshwar, Ambetha. More than 15000 patients have been benefited during last six months. PLL/PLF has signed agreement with NHFDC to provide skill training to disable youth of Bharuch District. First batch of 30 candidate started from April, 2021 and second batch of 20 candidates started in August, 2021 and both batches have been completed during December, 2021. This project benefited 50 disable persons with computer skill, Certificate distribution held during June, 2022. PLL/PLF has signed agreement with MOKSHDA to install environment friendly green crematorium system to reduce excessive use of wood. The works are under progress, Construction of Govt. Primary School at Luvara village with 12 classrooms and modern amenities worth of Rs .1.71 Crs. and Construction of 24 Nos. of widow quarters for BSF widow's worth of Rs. 5.87 Crs. are completed. PLL/PLF skill training partner CIPET, Ahmedabad has completed skill training of 93/100 candidates. Candidate have secured job of Rs. 10,000 per month to Rs. 15,000 per month post completion of training programme.



PLL has signed a new agreement with CIPET, Ahmedabad to train 400 candidates in CNC Machine and Plastic Product Manufacturing. First batch of 50 candidate enrolled and initiated. PLL has signed agreement with Bharuch Nagarpalika to provide support for Disaster Management and Swachh Bharat Abhiyan, Bharuch Nagarpalika would procure one fire tender and Road sweeping machine with the financial support of Rs. 1.93 Cr. under PLL CSR Initiatives. PLL has signed an agreement with Gujarat CSR Authority (GCSRA) for construction of Panchayat Bhavan at Lakhigam village with financial support of Rs. 1.13 Crs.. PLL has supported Development of Green Zone beneath newly constructed flyover bridge at Bharuch City with financial support of Rs. 5.00 lakhs. PLL has supported development of Sports facility by Police Department, Bharuch with financial support of Rs. 5.00 lakh. PLL has supported Medical Equipments to Kasturba Hospital, Seva Rural Jhagadia with financial support of Rs. 5.00 lakh. PLL has provided support to Seva Yagaya Samiti for Strengthening of Facilities for Orphan/destitute Old Age Patients at Civil Hospital, Bharuch for Rs. 5.00 lakh. PLL has partnered with National Youth Foundation to Support for School Health Check-Up Program' at 48 Schools of Vagra Taluka, Dist. Bharuch Gujarat for Rs. 19.92 lakh.

(July, 2022- December, 2022)

PLL/PLF has signed agreement with Wockhardt Foundation to run Two Mobile Medical Unit (MMU) in nearby villages of PLL plant area. This MMU-1 is providing its services to nearby villages like Lakhigam, Navi Nagari, Luvara, Jageshwar, Ambetha. MMU-2 is providing services to Dahej, Suva, Rahiyad, Vav, Vadadla, Kadodar and Sambheti More than 30000 patients have been benefited during last six months. PLL has signed a new agreement with CIPET, Ahmedabad to train 400 candidates in CNC Machine and Plastic Product Manufacturing. First batch of 50 candidates and second batch of 45 candidates enrolled and initiated. PLL skill training partner CIPET, Ahmedabad has completed skill training of 39 candidates. Candidate have secured job of Rs. 10,000 per month to Rs. 15,000 per month post completion of training programme. PLL has signed an agreement with Gujarat CSR Authority (GCSRA) for construction of Panchayat Bhavan at Lakhigam village with financial support of Rs. 1.13 Crs. The Construction works are under progress. PLL has partnered with National Youth Foundation to Support for School Health Check-Up Program' at 48 Schools of Vagra Taluka, Dist. Bharuch Gujarat for Rs. 19.92 lakh. This programme successfully completed about 6500 students benefited from this initiative. PLL had partner with Blind People's Association and Torch It to distribute 1000 assistive devises to Divyang Jans of Gujarat State, The Project successfully completed with distribution in various interior districts of Gujarat State.

PLL has celebrated Swachhta Pakhwada 2022 with Say no to Plastic theme, distributed about 20,000 cotton bags prepared by SHGs and various awareness initiatives in local villages. PLL has celebrated Har Ghar Tiranga 2022 Abhiyan, and distributed about 10,000

National Flags prepared by SHGs in local villages. PLL has supported Installation of Dishwasher Machine at Asmita Vikas Kendra, Tralsa (Bharuch) worth of Rs. 4.75 Lakhs.

Widow Quarters 24 Nos. at BSF, Gandhinagar



Construction of Primary School Luvara Village



Kaushal Setu Skill Training – CIPET Ahmedabad, MOA Signed (P-III)



Mobile Health Unit (MHU) (Wockhardt Foundation)





Promote fitness and encouragement of sports activities by Police Department, Bharuch



Agreement Signed with GCSRA for Construction of Panchayat Bhavan at Lakhigam village



Swachh Bharat with Bharuch Nagarpalika

Bharuch



10X5

ભરૂચ નગરપાલિકા, ભરૂચ

"સ્વચ્છ ભારત મિશન" અંતર્ગત PETRONET LNG LTD. દ્વારા
ભરૂચ નગરપાલિકાને CSR અંતર્ગત ફાળવેલ
ટૂંક માઈલેજ રોડ સ્વીપીંગ મશીનનું
લોકાર્પણ

નિમંત્રે : મુખ્ય અધિકારી તથા તમામ સ્ટાફ સભ્યો

તા. ૧૯/૦૩/૨૦૨૨ ને શનિવાર સાંજે ૫:૦૦ કલાકે સ્થળ : ભરૂચ નગરપાલિકા, પટાંગણ

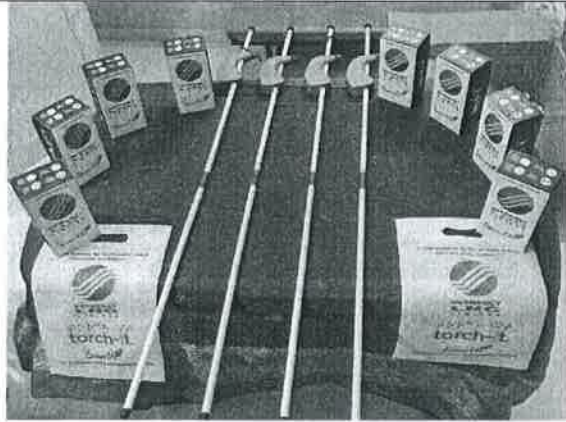


Visit of Seva Rural Jhagadiya

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Distribution of 1000 Saarthi Assistive Devices to 1000 Blind persons in Gujarat State





Certificate Distribution for NHFDC Skill Training for Disables



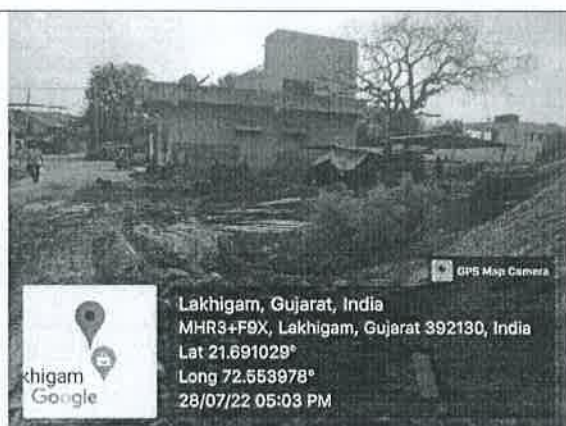
Handover Old age care facility to Seva Yagya Samiti



Visit of Ashmita Vikas Kendra, Tralsa



Construction of Panchayat Bhavan, Lakhigam



Visit of IIT-Gandhinagar

Tomcat



Skill Development Workshop on for promotion of Art & Culture



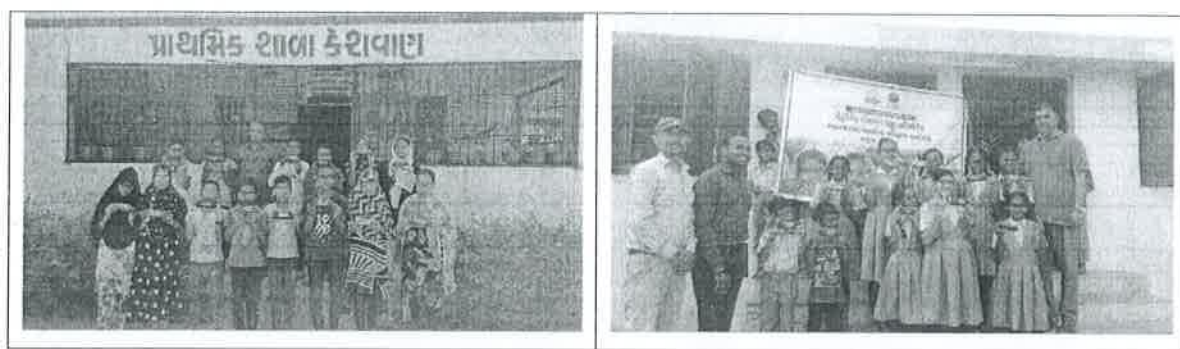
Har Ghar Tiranga Celebrations



Free School Health Care Camps at 48 Govt, Schools of Vagra Taluka



Annaly



Bhambhani



Certificate of Conformity

Standard: Petroleum and Natural Gas Regulatory Board (Codes of Practices for Emergency Response and Disaster Management Plan (ERDMP) Regulations, 2010 and 2020.

Certificate Number: **BOSAI/0157**

Certificate Holder: **Petronet LNG Ltd., Dahej LNG Terminal.**

Scope: **Review and implementation of ERDMP as per the PNGRB Regulations**

This is to certify that **BOSAI SAFETY PRIVATE LIMITED**, approved TPIA by PNGRB vide Registration No. PNGRB/Tech/11-TPIA/(3)/2021(P-3506) dated 09.11.2021 have reviewed and assessed the **ERDMP document prepared by Petronet LNG Ltd., Plot No 7/A, GIDC Industrial Estate, Dahej - 392130** and found the same in conformity with the **Petroleum and Natural Gas Regulatory Board (Codes of Practices for Emergency Response and Disaster Management Plan (ERDMP) Regulations, 2010 and 2020.**

The audit team conducted site assessment visit on 29.09.2022 & 30.09.2022 at **Petronet LNG Ltd., Dahej LNG Terminal** to review implementation of ERDMP as per the requirement and found the same to be compliant.

This certificate is being issued to **Petronet LNG Ltd., Dahej LNG Terminal** for their compliance of ERDMP documents as per PNGRB Regulations. 2010 and 2020.

Issued on: **12/10/2022, Valid till: 11/10/2025**

Dinesh
Kumar
Singh

Digitally signed by
Dinesh Kumar
Singh
Date: 2022.10.12
16:48:57 +05'30'

(D.K. SINGH)
Chief Executive Officer



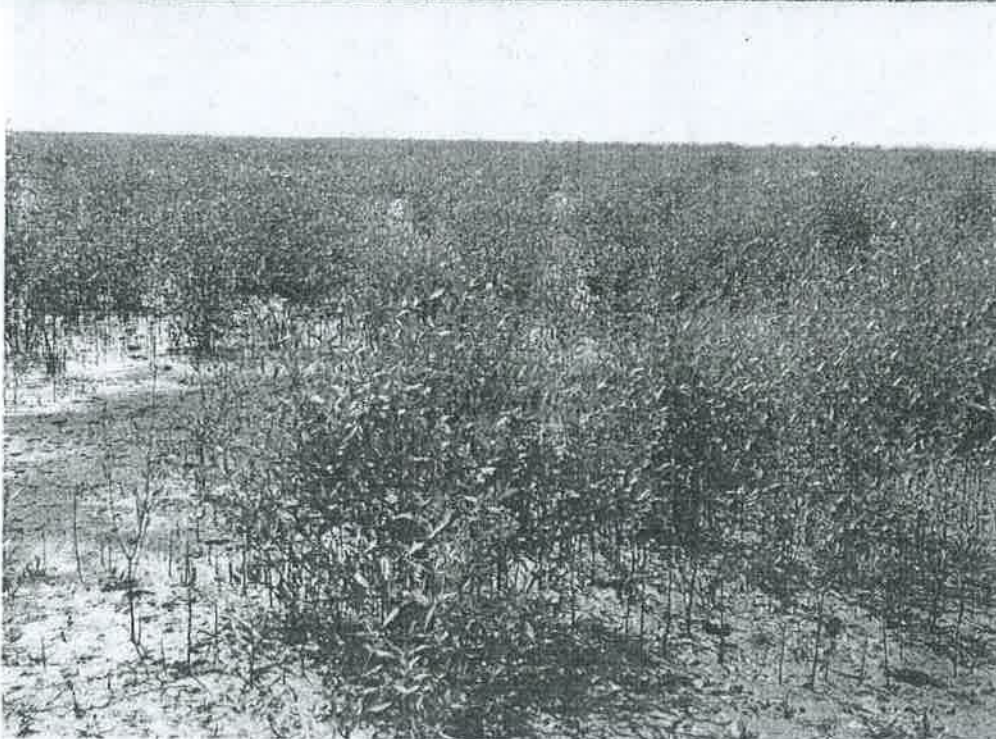
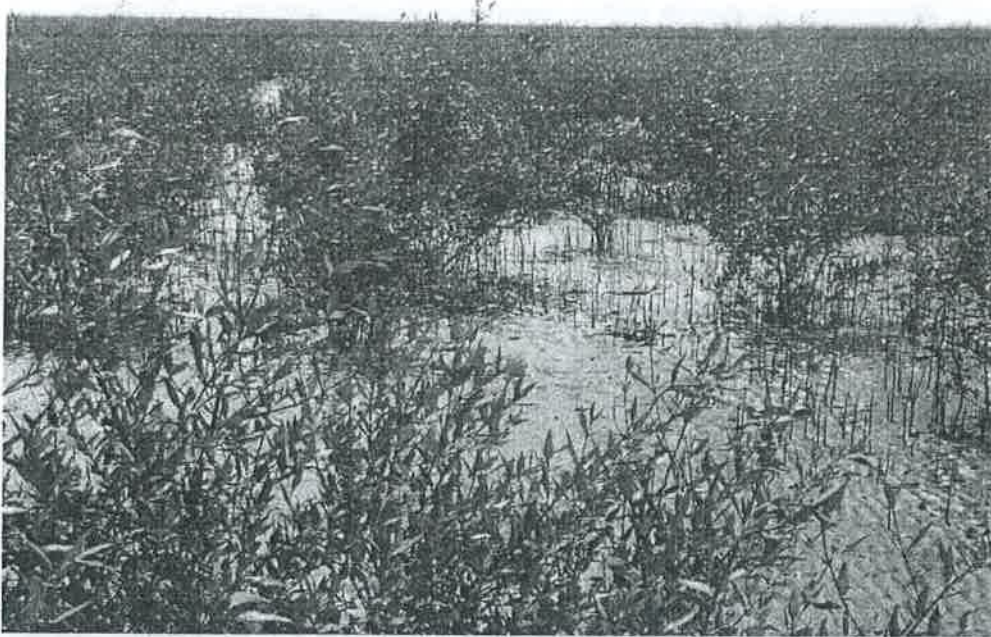
(Note: This Certificate is valid for maximum 3 years from the date of issue or till any major Modification/ Revamp in the facility or as per directives of PNGRB whichever is earlier.)

G-405, C58/23, INDIAN OIL APARTMENT, NOIDA-201309, Mob: 9868920846, bosaisafety@gmail.com

Bosai Safety

ANNEXURE V

Mangroves planted in 50 ha. area at NADA Coast during 2009-10



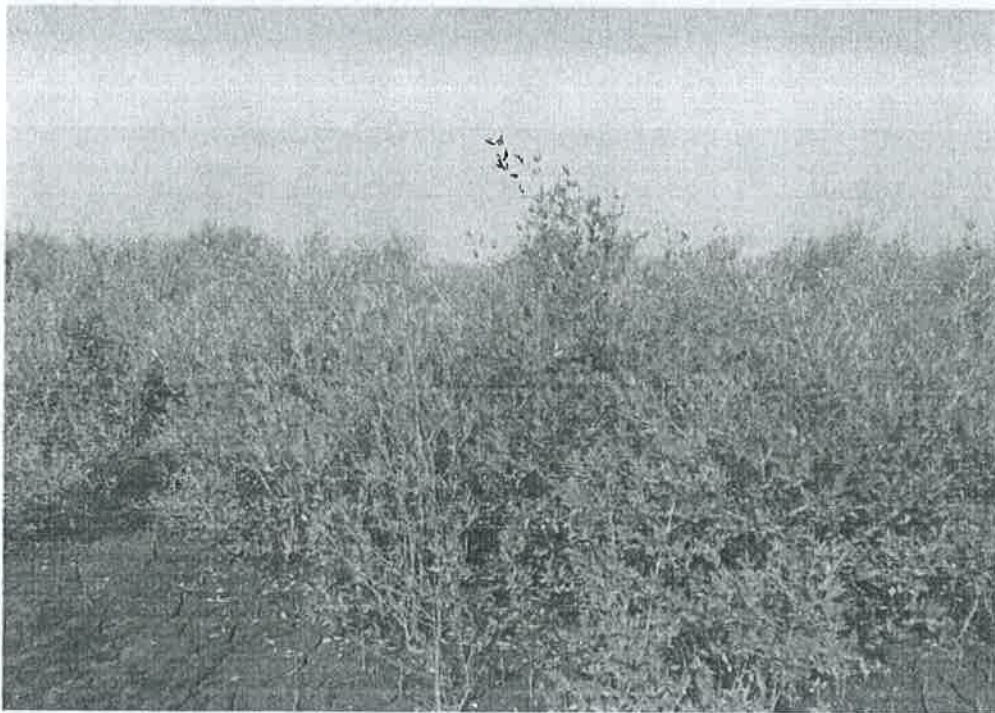
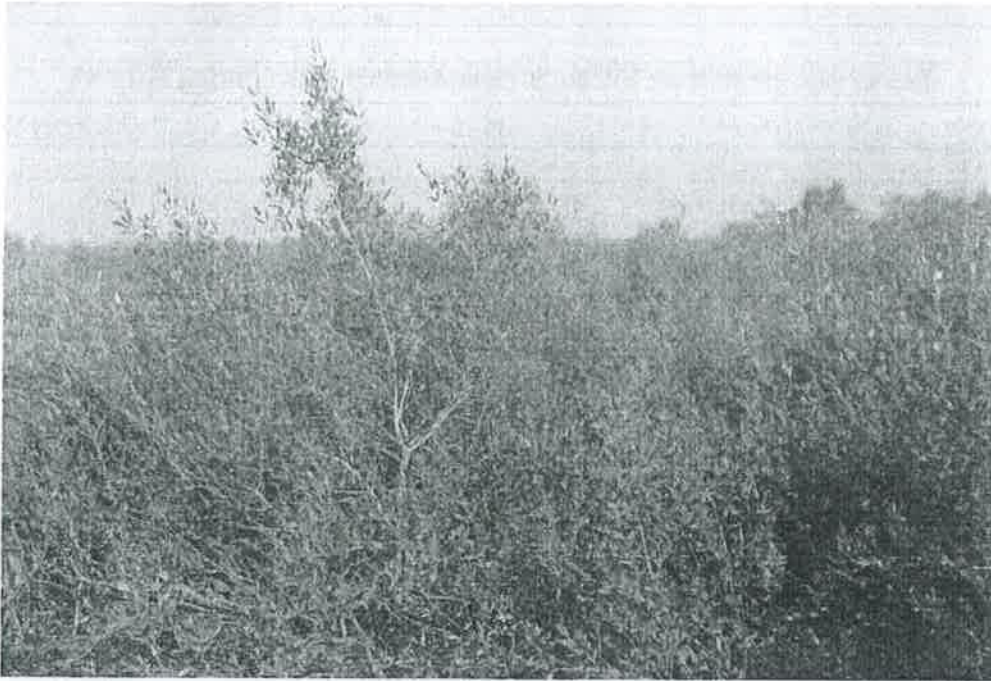
Tomally

Mangroves planted in 100 ha. area at Ankalva Coast during 2010-11



Omceh

Mangroves planted in 200 ha. area at Ankalva Coast during 2011-12



Somaly

Mangroves planted in 200 ha. area at Ankalva Coast during 2012-13



18/05/2013

Mangroves planted in 100 ha. area at Bhavnagar Coast during 2012-13



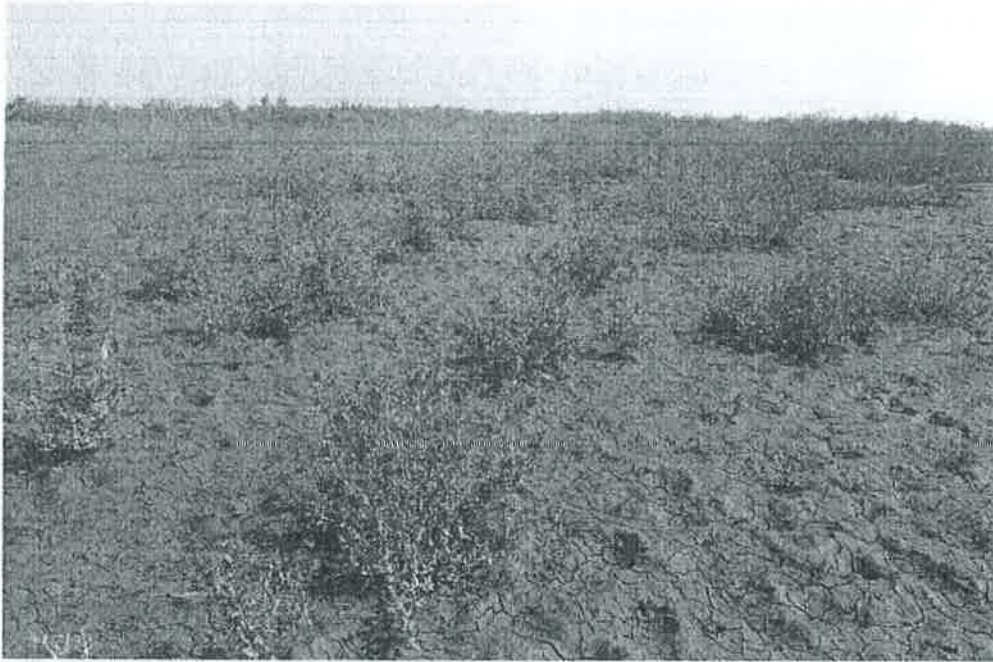
Boncell

Mangroves planted in 200 ha. area at Bhavnagar Coast during 2013-14



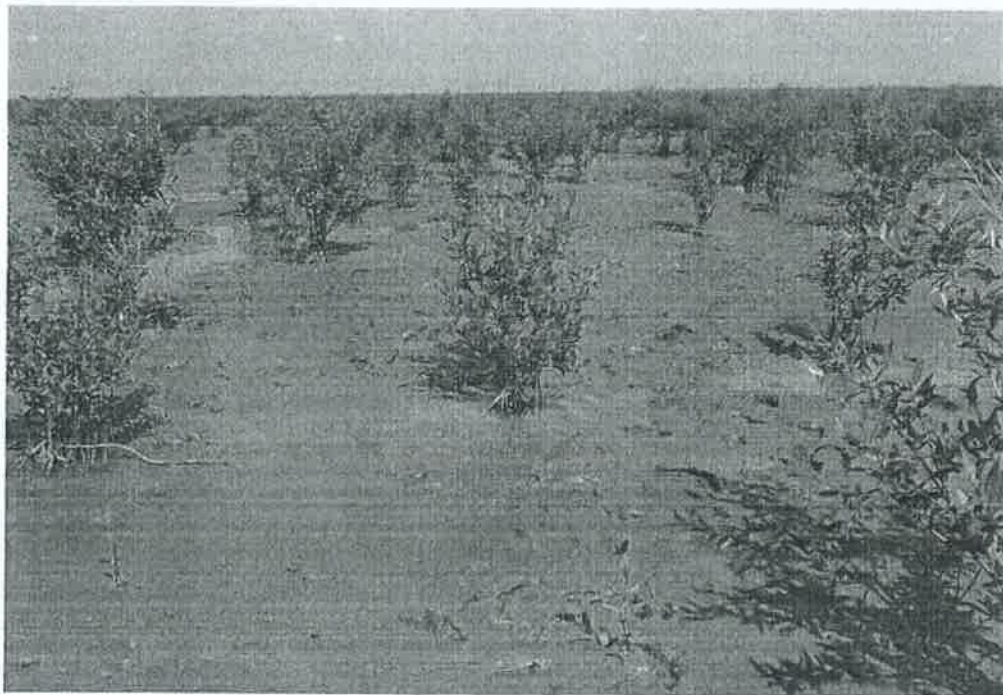
Bhavnagar

Mangroves planted in 200 ha. area at Bhavnagar Coast during 2014-15



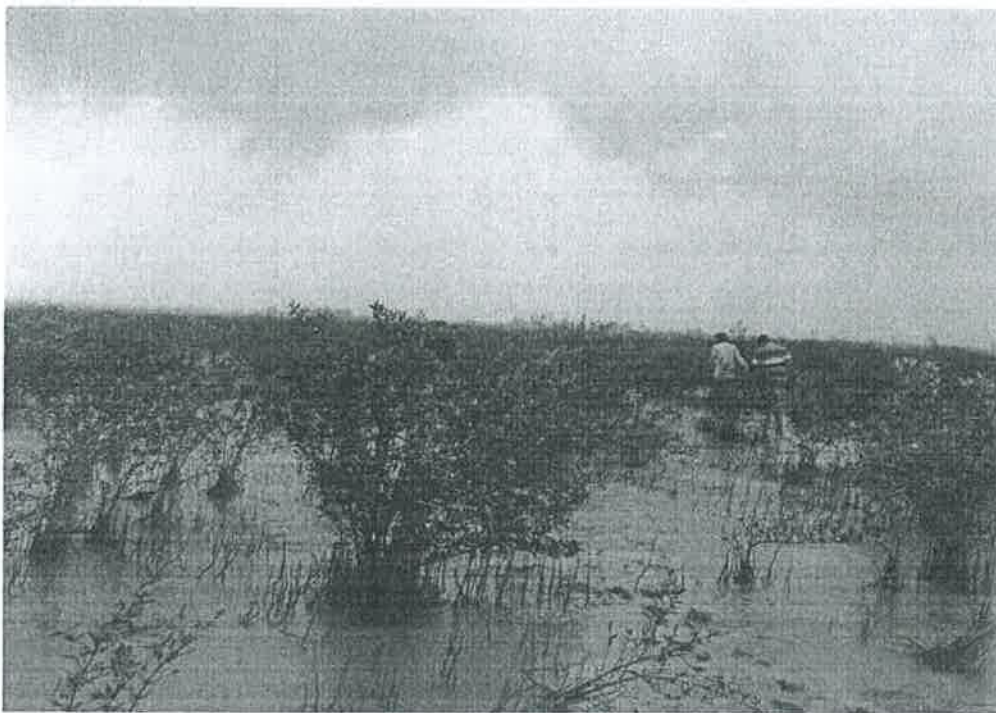
small

Mangroves planted in 50 ha. area at at Kentiyajal Coast during 2014-15



Omachy

Mangroves planted in 50 ha. area at Gadhula, Talaja Coast during 2016-17



Borralh



BUREAU
VERITAS

Bureau Veritas Certification

PETRONET LNG LTD.



PETRONET
LNG
LIMITED

PLOT NO. 7/A, GIDC INDUSTRIAL ESTATE, DAHEJ, TALUKA : VAGRA,
DISTRICT: BHARUCH – 392 130, GUJARAT, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System Standards detailed below.

Standards

**ISO 9001:2015, ISO 14001:2015 &
ISO 45001:2018**

Scope of certification

**PORT OPERATION, RECEIPT, STORAGE, RE-GASIFICATION OF LNG,
DISPATCH OF RLNG & LNG**

Original cycle start date for ISO 9001 & ISO 14001: **21 January 2005**

Original cycle start date for ISO 45001: **11 March 2021**

Recertification cycle start date: **31 July 2022**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **30 July 2025**

Certificate No. **IND.22.6844/IM/U**

Version: **1**

Revision date: **31 July 2022**

Signed on behalf of BVCH SAS UK Branch
Jagdheesh N. MANIAN
Director – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



0008

Certification body address: **5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom**

Local office: **Bureau Veritas (India) Private Limited (Certification Business)**
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",
Andheri (East), Mumbai – 400 093, India

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization. To check this certificate validity please call + 91 22 6274 2000.