



An ISO 9001 : 2015  
14001 : 2015  
45001 : 2018  
55001 : 2014  
Certified Company

## Petronet LNG Limited

Survey No. 347, Puthuvypu P.O.

Kochi - 682 508, Kerala, India.

Tel: +91- 484 - 2757302 Fax: +91- 484-2502264

www.petronetlng.in | CIN L74899DL1998PLC093073

PLL/KOCHI/KSPCB/2025-26/11

11/06/2025

To,

The Chief Environment Engineer,  
Kerala State Pollution Control Board,  
Gandhinagar, Kochi – 682020.

Dear Sir,

Subject: Submission of Environment Statement (Form-V) for FY 2024-25.

We are submitting the Environment Statement in Form 5 for the financial year 2024-25, in accordance with the Environment (Protection) Rules, 1986.

Thanking you

Sincerely,

Upinder Kumar,  
CGM & VP (Plant Head)



Enclosed: Environment Statement (Form-V) for FY 2024-25

Copy: The Environment Engineer, District Office-1, KSPCB, Ernakulam, 682020.

### Registered & Corporate Office:

World Trade Centre, First Floor, Barbar 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

**ENVIRONMENTAL STATEMENT FORM-V**  
(See rule 14)

*Environmental Statement for the financial year ending with 31<sup>st</sup> March 2025*

**PART-A**

1	Name and address of the owner/ Occupier of the industry, operation or process.	:	Mr. Pramod Narang, Director (Technical) <b>Kochi Address:</b> Petronet LNG Limited, Puthuvypu P.O., Ernakulam - 682508  <b>Corporate Office:</b> Petronet LNG Limited, World Trade Center, First Floor, Babar Road, Barakamba Lane, New Delhi-110001
2	Industry category	:	Red
3	Production category. Units.	:	5 MMTPA (Million Metric Tonnes per Annum)
4	Year of establishment	:	20 <sup>th</sup> August 2013
5	Date of the last environmental statement submitted.	:	22-08-2024

**PART -B**

Water and Raw Material Consumption:

I. Water Consumption (M<sup>3</sup>/Day)

Process : Nil  
Cooling : Nil  
Domestic : 25.8 KL/day

Name of Products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
1. RLNG	Nil	Nil

II. Raw material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
LNG	RLNG	0.01928	0.01927*

\*0.01927 MT of LNG consumed per MMBTU of output.

### PART-C

Pollution discharged to environment/unit of output  
(Parameter as specified in the consent issued)

Pollutants		Quantity of Pollutants discharged (mass/day)		Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water		NIL		NIL	NIL
(b) Air	Equipment	Parameters	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
	GTG-A	NO <sub>x</sub>	1470 g/day	40.5 mg/Nm <sup>3</sup>	No variation from prescribed standard
	GTG-B	NO <sub>x</sub>	627 g/day	58.6 mg/Nm <sup>3</sup>	No variation from prescribed standard
	GTG-C	NO <sub>x</sub>	567 g/day	31.75 mg/Nm <sup>3</sup>	No variation from prescribed standard
	Emergency DG set (EDG)	PM	25 g/day	36 mg/Nm <sup>3</sup>	No variation from prescribed standard
		CO <sub>2</sub>	0	0	
		CO	80 g/day	115 mg/Nm <sup>3</sup>	
		SO <sub>2</sub>	9.44 g/day	13.6 mg/Nm <sup>3</sup>	
		NO <sub>x</sub>	15 g/day	21.45 mg/Nm <sup>3</sup>	
	Fire Pumps-C (Diesel Operated)	PM	4.9 g/day	34.8 mg/Nm <sup>3</sup>	No variation from prescribed standard
		CO <sub>2</sub>	0	0	
		CO	15.1 g/day	107.5 mg/Nm <sup>3</sup>	
		SO <sub>2</sub>	1.93 g/day	13.75 mg/Nm <sup>3</sup>	
		NO <sub>x</sub>	3.1 g/day	22.1 mg/Nm <sup>3</sup>	
b) Air	Fire Pumps-D (Diesel Operated)	PM	3.7 g/day	36.2 mg/Nm <sup>3</sup>	No variation from prescribed standard
		CO <sub>2</sub>	0	0	
		CO	11 g/day	108 mg/Nm <sup>3</sup>	
		SO <sub>2</sub>	1.4 g/day	14.2 mg/Nm <sup>3</sup>	
		NO <sub>x</sub>	2.27 g/day	22.2 mg/Nm <sup>3</sup>	



	Fire Pumps-E (Diesel Operated)	PM	3.63 g/day	36.9 mg/Nm <sup>3</sup>	No variation from prescribed standard
		CO <sub>2</sub>	0	0	
		CO	11 g/day	112 mg/Nm <sup>3</sup>	
		SO <sub>2</sub>	1.27 g/day	12.9 mg/Nm <sup>3</sup>	
		NO <sub>x</sub>	2.11 g/day	21.5 mg/Nm <sup>3</sup>	
	Fire Pumps-F (Diesel Operated)	PM	3.26 g/day	38.6 mg/Nm <sup>3</sup>	No variation from prescribed standard
		CO <sub>2</sub>	0	0	
		CO	9.2 g/day	109.2 mg/Nm <sup>3</sup>	
		SO <sub>2</sub>	1.04 g/day	12.4 mg/Nm <sup>3</sup>	
		NO <sub>x</sub>	2.04 g/day	24.2 mg/Nm <sup>3</sup>	
	Fire Pumps-G (Diesel Operated)	PM	3.4 g/day	35.2 mg/Nm <sup>3</sup>	No variation from prescribed standard
		CO <sub>2</sub>	0	0	
		CO	10.83 g/day	112 mg/Nm <sup>3</sup>	
		SO <sub>2</sub>	1.38 g/day	14.3 mg/Nm <sup>3</sup>	
		NO <sub>x</sub>	2.46 g/day	25.4 mg/Nm <sup>3</sup>	

**Note:** Environmental monitoring in FY 2024-25 was carried out by M/s. Standard Environment & Analytical Laboratories, a KSPCB approved Grade A laboratory.

#### PART-D

##### HAZARDOUS WASTES

(As specified under Hazardous Wastes (Management & Handling Rules, 2016)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
(a) Form Process		
1. Used Oil (Schedule 1, Category: 5.1)	1151.75 Kg	446.25 Kg
2. Waste residue containing oil (Schedule 1, Category: 5.2)	185 Kg	130 Kg
3. Empty barrels / containers /liners contaminated with hazardous chemicals /wastes (Schedule 1, Category 33.1). (Used for storing dosing chemicals and used oil)	457.8 Kg	100

4. Industrial use of paints, and Ink wastes (Schedule 1, Category 21.1)	105 Kg	125
(b) From pollution control facilities	None	None

**Note:** For converting used oil from KL to Kg, the density of used oil is taken as 850 Kg/m<sup>3</sup>.

#### **PART -E**

##### **SOLID WASTES:**

<b>Solid Wastes</b>	<b>Total Quantity (Kg)</b>	
	<b>During the previous financial year (2023-24)</b>	<b>During the current financial year (2024-25)</b>
a. From process	NIL	NIL
b. From Pollution Control Facility	NIL	NIL
c. Quantity recycled or re-Utilised within the unit.	NIL	NIL

**Note:** Total of 2392 Kg & 1840 Kg of organic manure generated from Kitchen wastes in FY 2024-25 & FY 2023-24 respectively.

#### **PART -F**

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

<b>SL: No</b>	<b>Hazardous wastes</b>	<b>:</b>	<b>Composition</b>
1	Used oil (Cat 5.1)	:	Organic Matter – 98 – 99 %, Inorganic Matter – 1 – 2 %.
2	Waste residue containing oil (Schedule 1, Category: 5.2)	:	Hydrocarbon
3	Empty barrels / containers /liners contaminated with hazardous chemicals /wastes (Cat 33.1)	:	Plastic or metallic barrels containing chemical / oil residue.
4	Industrial use of paint and Ink wastes (Schedule 1, Category 21.1)	:	Paint pigment, Solvents etc.

#### **Storage and disposal practice:**

Hazardous wastes generated inside the terminal are being disposed /recycled through the agencies authorized by Kerala State Pollution Control Board (KSPCB). Petronet LNG Limited has an agreement with M/s. Cee Jee Lubricants, Aluva and KEIL (Kerala Enviro Infrastructure Limited), Kochi for disposing hazardous wastes generated in the terminal. Hazardous wastes are stored in a dedicated hazardous wastes storage shed inside the terminal till its disposal. Hazardous waste storage shed is constructed and maintained as per the requirement of consent issued by KSPCB. Storage shed is provided with impervious flooring and proper roofing as specified in the consent.

Used oil generated is collected in MS barrels or other suitable containers at the generation point and then shifted to storage shed by concerned department. Used oil and empty chemical barrels are sold to KSPCB authorised recycler, M/s. Cee Jee Lubricants, Aluva.

Waste residues containing oil such as oil-soaked cotton wastes generated at various locations are collected and stored in designated storage bin located inside hazardous waste storage shed. These wastes are disposed through KEIL.



Paint and ink wastes are collected & stored in hazardous waste storage area and is disposed through KEIL.

Signboards are installed at hazardous waste storage for displaying each category of waste storages. Records of hazardous wastes generation are maintained in Form 3 as per Hazardous Wastes (Management & Transboundary movement) rules, 2016.

Manifest systems are being used during the transport of hazardous waste for disposal. Hazardous wastes annual return in Form 4 submitted to KSPCB for FY 2024-25 vide reference no: PLL/Kochi/KSPCB/2025-26/02 dated 09/04/2025.

#### **PART-G**

##### **Impact of the pollution control measures taken on conservation of natural Resources and consequently on the cost of production.**

An environment management cell (EMC) has been constituted and being maintained inside the terminal as required by the environment clearance issued by MoEF&CC to PLL, Kochi Terminal. EMC is headed by Chief General Manager & Vice President (Plant head) and other members are from different plant departments. Environment management cell meets once in a quarter, take review of the situation and propose new environment initiatives.

A rainwater harvesting system has been installed inside the terminal. Rainwater falling on LNG storage tanks is collected and stored in raw water storage tanks. This water is used for domestic use. Condensate water from air heater is directed to fire water storage reservoir. An STP of capacity 30 KLD is installed in the terminal for treating domestic sewages. STP water quality is regularly monitored by plant laboratory dept. and by an external KSPCB grade 'A' environment laboratory. The waste slurry generated from STP is used as manure for plants inside the terminal.

Green belt is developed across the terminal with different plant species appropriate to the environment. Green belt is maintained by the plant horticulture department. Total 400 plants were planted in the green belt in the year 2024-25. A kitchen garden has been set up and maintained inside the terminal.

Three Gas Turbine Generator (GTG) in the terminal are fitted with a Dry low emission burner (DLEB). DLE burners are designed to meet stringent emission standards.

A Continuous Ambient Air Quality Monitoring Station (CAAQMS) is installed at our terminal. Ambient air quality data from CAAQMS has been linked to CPCB server. Ambient air quality data is being continuously monitored and being updated to CPCB server.

Solar power plants of 1150 KW capacity have been installed in the terminal for meeting the power requirements for operating the terminal.

**PART -H**

**Additional measures/investment proposal for environmental protection including abatement of pollution.**

PLL has been certified for Environment Management system, ISO 14001:2015. All the aspects and impacts associated with the terminal operations are identified and control measures are implemented. Objectives are established and it is periodically reviewed for the continual improvement of management system.

Ambient air quality data from CAAQMS, stack emission & hazardous waste generation details are being displayed at terminal main gate using a LED screen.

**PART -I**

**MISCELLANEOUS:**

**Any other particulars in respect of environmental protection and abatement of pollution.**

Nil

**For and on behalf of Petronet LNG Limited**

**Sign**

**:**

*[Handwritten Signature]*  
*11/06/2025*

**Date**

**:**



**Approved By: Upinder Kumar**

**Designation : Chief General Manager & Vice President (Plant Head)**





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www.petronetlng.in  
CIN L74899DL1998PLC093073  
PAN: AAACP8148D. GST: 32AAACP8148D1ZP

PLL/KOCHI/KSPCB/2025-26/02

09/04/2025

To,

THE MEMBER SECRETARY,  
Kerala Pollution Control Board (KSPCB),  
Pattom P. O.  
Thiruvananthapuram – 695004,  
Kerala.

Subject: Submission of Hazardous waste Annual Return (Form IV)

Dear Madam,

Kindly find enclosed the annual return in Form IV for the Hazardous wastes as per the requirement of Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 for FY 2024-25.

Thanking you

Sincerely,

  
Upinder Kumar



Chief General Manager & Vice President (Plant Head)

Enclosure: Form IV for FY 2024-25

Copy: Environment Engineer, Kerala State Pollution Control Board, District Office –  
Gandhinagar, Ernakulam, Kochi – 682020.

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### Registered & Corporate Office:

World Trade Centre, First Floor, Barbar 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



**FORM-4**

(See Rule 6(5), 13(8), 16(6) and 20(2))

**FORM FOR FILING ANNUAL RETURNS**(To be submitted to state pollution control board by 30<sup>th</sup> day of June of every year for the preceding period April to March)

1	Name and address of the facility	:	M/s. Petronet LNG Ltd Survey no 347, Puthuvypu PO, Kochi, Ernakulam,682508 0484-2502259, 0484-2502263.
2	Authorisation No. and Date of issue	:	PCB/HO/EKM-I/ICO-R/16/2023, dated 14/08/2023
3	Name of the authorized person and full address with telephone, Fax number & E Mail	:	Upinder Kumar, CGM&VP (Plant Head) Petronet LNG Limited, Survey No: 347, Puthuvypu, P.O-682508, Kochi, Kerala. Phone No. 0484-2502259. Fax No: 0484-2502264. Email: upinderkumar@petronetlng.in
4	Production during the year? (Product wise)	:	5,49,67,805.805 (LNG Regassification)

**Part A: To be filled by hazardous waste generators**

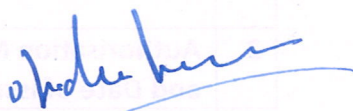
1	Total Quantity of waste generated category wise.	:	Category & type of hazardous waste		Quantity (In Tonnes /KL)
			5.1	Used Oil	0.525 KL
			33.1	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	0.1 MT
			5.2	Waste residue containing oil (Oil-soaked cotton wastes)	0.13 MT
			21.1	Industrial use paints, ink wastes	0.125 MT
2	Quantity dispatched				
i	To disposal facility	:	Category & Type of hazardous waste		Quantity (In Tonnes/KL/Nos.)
			5.2	Waste residue containing oil (Oil-soaked cotton wastes)	0.13 MT
			21.1	Industrial use paints, ink wastes	0.125 MT
ii	To recycler or co-processors or pre-processor	:	5.1	Used Oil	0.525 KL
			33.1	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	0.1 MT

iii	Other	:	Nil		Nil
3	Quantity utilized in-house, if any	:	Nil		Nil
4	Quantity in storage at the end of the year	:	Category & Type of hazardous waste		Quantity (In Tonnes/KL)
			5.1	Used Oil	0
			33.1	Barrels and containers used for handling of hazardous wastes /chemicals	0
			5.2	Waste residue containing oil (Oil-soaked cotton wastes)	0
			21.1	Industrial use paints, ink, and plastic.	0

Place : Ernakulam

Date : 09/04/2025



  
Signature of Occupier



**FORM 3**

[See rules 6(5), 13(7), 14(6), 16(5) and 20(1)]

**FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS & OTHER WASTES****1. Name and address of the facility:**

Petronet L NG Ltd  
Survey No 347.  
Puthuvypu PO  
Kochi  
Ernakulam, 682508  
0484-2502259  
0484-2502263

**2. Date of issuance of authorization and its reference number:**

Consent to operate No: PCB/HO/EKM-I/ICO-R/16/2023, dated 14/08/2023

**3. Description of hazardous & other wastes handled (Generated /Received):**

Date	Type of waste with category as per Schedule I, II & III of Hazardous & Other wastes (Management & Handling) Rules, 2016	Total Quantity (Metric Tonnes)	Method of storage	Destined to or received from
FY 2024-25	Category 5.1- Used Oil	0.525 KL	Stored in drums at designated hazardous waste storage area within the terminal.	Destined to the KSPCB authorized recycler, M/s. Cee Jee Lubricants Pvt. Ltd.
FY 2024-25	Category 5.2 - Waste residue containing oil (Oil-soaked cotton wastes)	0.13 MT	Stored in containers at designated hazardous waste storage area within the terminal.	Destined for disposal through KSPCB authorized agency, M/s. KEIL.
FY 2024-25	Category 21.1 - Industrial use paint and ink wastes.	0.125 MT	Stored in containers at designated hazardous waste storage area within the terminal.	Destined for disposal through KSPCB authorized agency, M/s. KEIL.
FY 2024-25	Category 33.1 - Barrels and containers used for handling of hazardous wastes /chemicals	0.1 MT	Stored in hazardous waste storage shed having concrete flooring and proper roofing within the terminal.	Destined to the KSPCB authorized recycler, M/s. Cee Jee Lubricants Pvt. Ltd.





4. Date wise description of management of hazardous and other waste including products sent and to whom in case of recyclers or pre-processor or utiliser:

Sl. No	Date	Hazardous Wastes	Quantity	Method of disposal
1	01-10-2024	Category 5.1- Used Oil	0.12 KL	Sold to M/s. Cee Jee Lubricants, Aluva, a KSPCB authorized hazardous waste recycler.
2	10-10-2024	Category 5.1- Used Oil	0.1 KL	
3	31-10-2024	Category 5.1- Used Oil	0.15 KL	
	19-11-2024	Category 5.1- Used Oil	0.155 KL	
4	01-10-2024	Category 33.1 - Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	0.81 MT	Disposed through a KSPCB authorized agency, M/s KEIL.
5	19-12-2024	Category 33.1 - Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	0.19 MT	
6	10-10-2024	Category 5.2 - Waste residue containing oil (Oil-soaked cotton wastes)	0.15 MT	
7	01-10-2024	Category 5.2 - Waste residue containing oil (Oil-soaked cotton wastes)	0.5 MT	
8	17-12-2024	Category 5.2 - Waste residue containing oil (Oil-soaked cotton wastes)	0.65 MT	
9	01-10-2025	Category 21.1 - Industrial use paint and ink wastes.	0.7 MT	
10	17-12-2025	Category 21.1 - Industrial use paint and ink wastes.	0.55 MT	

5. Date of environmental monitoring (as per authorisation or guidelines of Central Pollution Control Board)

Sl. No	Environment Monitoring	Frequency of monitoring	Remark
1	Ambient Air Emission	Monthly	Original Environment monitoring reports are being submitted to KSPCB district office every month.
2	Ambient Noise	Quarterly	
3	Treated water from STP (Sewage Treatment Plant)	Quarterly	
4	Gas turbine Generator Stack	Quarterly	
5	Fire water pump & Diesel Generator stack	Quarterly	
6	Ground water Analysis	Half Yearly	
7	Marine Water Analysis	Half yearly	

Date : 09-04-2025  
Place : Ernakulam



*[Signature]*  
Signature of occupier