



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/GPCB/2023/02

Date: April 12, 2023

GPCB XGN ID: 15479

To,

Gujarat Pollution Control Board
Paryavaran Bhavan
Sector-10 A
GANDHINAGAR – 382 010

Sub: Environmental Statement for the financial year April 2022 to March 2023

Dear Sir,

Enclosed Please find Environmental Statement (FORM – V) for the financial year April 2022 to March 2023 for your kind perusal.

Thanking you,

Yours faithfully,
For Petronet LNG Limited


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

Encl: As above

Copy to:
Gujarat Pollution Control Board, Bharuch


Post Received
Gujarat Pollution Control Board
BHARUCH
27/4/23

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

FORM-V
ENVIRONMENTAL STATEMENT
(See rule 14)

Environmental Statement for the financial year ending with **31st March 2023**

PART - A

i. Name and address of the owner/occupier of the industry operation or process:

Mr. S B Singh
ED (Plant Head)
M/s Petronet LNG Limited
Plot.7/A, GIDC Industrial Estate
Dahej, Taluka Vagra
Dist. Bharuch – 392130
Ph. 02641-670299/201

ii. Industry category Primary-(STC Code) Secondary-(STC Code)

Not Applicable.

iii. Production capacity – Dahej Unit.

20 MMTPA (Million Metric Tons per Annum) Regasification Capacity

Receipt of LNG through Ship, storage, Regasification and Dispatch of RLNG and LNG

iv. Year of establishment: **2nd April, 1998**

v. Date of the last environmental statement submitted: 30th May 2022

PART - B

Water and Raw Material Consumption:

i. Water consumption in m³/d:

Process	: Nil
Cooling	: Nil
Domestic	: Nil water intake from GIDC.

Avg. 118 m³/day water reused for domestic water from condensate water generation.

Name of Products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
1. Regasified Liquefied Natural gas (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 (F.Y. 2021-22)	During the current financial year (F.Y. 2022-23)
1. Liquefied Natural Gas (LNG)	RLNG	14.4135 MMTPA 19873.68 MMSCM of send out RLNG	12.9335 MMTPA 17616.56 MMSCM of send out RLNG
MMSCM = Million Metric Standard Cubic Meter MMTPA = Million Metric Ton per Annum			

* Industry may use codes if disclosing details of raw material would violate contractual Obligations, otherwise all industries have to name the raw materials used.

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	No process effluents generated	Not Applicable	Not Applicable
(b) Air			
<ul style="list-style-type: none"> Stack emissions from Gas Turbine Generator EDG Stacks 	<p>----</p> <p>----</p>	<p>PM : BDL** SO₂ : BDL NO_x : 17.3 ppm</p> <p>PM : 88 mg/Nm³ SO₂ : 37 ppm NO_x : 46 ppm</p>	Concentration of pollutants discharged is well within the GPCB norms.

** BDL= Below detection limit

**PART - D
HAZARDOUS WASTES**

(as specified under Hazardous and Other Wastes (Management & Trans boundary Rules,2016)

Hazardous Wastes (Disposed)	Total Quantity (Kg)	
	During the previous financial year (F.Y. 2021-22)	During the current financial year (F.Y. 2022-23)
1. From Process	Nil	Nil
2. From Pollution Control Facilities	Nil	Nil
3. Used oil	2725 Liters	2124 Liters
4. Waste Residue containing Oil	967 Kgs	1101 Kgs
5. Insulation Waste	Nil	Nil
6. Paint Waste	Nil	Nil
7. Contaminated Empty barrels and drums	73 Nos (400 Kgs)	310 Nos(795 Kgs)

PART- E

SOLID WASTES

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year (F.Y. 2021-22)	During the current financial year (F.Y. 2022-23)
a. From process	Nil	Nil
b. From Pollution Control Facility	Nil	Nil
c. (1) Quantity recycled or re- utilized within the unit.	Nil	Nil
(2) Sold :	Nil	Nil
(3) Disposed: a) E Waste	2370 Kg	1930 Kg

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.

Hazardous waste : 1. Used oil 2124 Liters (Disposal through GPCB approved Recycler/ Preprocessor, M/s R.K. steel, Bharuch)

Solid Waste : 1. Waste residue containing oil (Cotton waste) of 1101 Kgs disposed to approved incineration site of M/s Bharuch Enviro Infrastructure (BEIL), Dahej for incineration process.

2. 310 Nos (795Kg) Contaminated Empty barrels, drums, carboys are sent to approved decontamination facility of M/s Vikas Enterprise.

E-Waste : Total 1930 Kg E - waste disposed to GPCB approved agency, M/s Earth E Waste Management Pvt. Ltd., Surat

Used Batteries: Total 18 nos batteries are disposed off as per Batteries Waste Management Rules, 2022.

PART – G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

Regular Environmental monitoring is carried out through GPCB approved agency. (M/s. Unistar Environment & Research Labs Pvt. Ltd, Vapi) and monitored results are well within the consent limit

PART – H

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

The total Green Belt area approximately 1,66,000 Sq. meters has been allocated in and around periphery wall. Whereas, PH-I & PH-II green belt has been developed and maintained and the PH-III green belt (57,000 Sqm) area development has been initiated. In addition to this, the total lawns/ green cover developed & maintained till date is 30000 Sq.m.

S.No	Financial Year	Amount Spent (Rs. In Lacs)	Purpose of Investment
1	2009-10	33.22	Development & maintenance of Green belt and Mangrove Plantation during the year.
2	2010-11	55.00	Development & maintenance of Green belt and Mangrove Plantation during the year.
3	2011-12	93.31	Development & maintenance of Green belt and Mangrove Plantation during the year.
4	2012-13	109.57	Development & maintenance of Green belt and Mangrove Plantation during the year.
5	2013-14	95.20	Development & maintenance of Green belt and Mangrove Plantation during the year.
6	2014-15	88.83	Development & maintenance of Green belt and Mangrove Plantation during the year.
7	2015-16	42.20	Development & maintenance of Green belt and Mangrove Plantation during the year.
8	2016-17	77.96	Development & maintenance of Green belt and Mangrove Plantation during the year.
9	2017-18	71.08	Development & maintenance of Green belt during the year.
10	2018-19	60.93	Development & maintenance of Green belt during the year.
11	2019-20	51.11	Development & maintenance of Green belt during the year.
12	2020-21	78.96	Development, maintenance of Green belt & related to STP project during the year.
13	2021-22	76.26	Development & maintenance of Green belt during the year.
		155.34	STP Installation
14	2022-23	74.65	Development & maintenance of Green belt during the year
		7.76	STP Operation and Maintenance cost
Total		1171.38 Lakh	

PART- I

Any other particulars for improving the quality of the environment.

Total 1150 ha. Mangrove Plantation undertaken along the Gujarat Coast till date as furnished below:

S.No	Financial Year	Covered Area	Location	Consultation with Forest Department/ GEC
1	2009-10	50 ha.	NadaVillage, Jambusar, Bharuch	Gujarat Ecology Commission (GEC), Govt. of Gujarat
2	2010-11	100 ha.	AnkalvaVillage, Hansot, Bharuch	Gujarat Ecology Commission (GEC) , Govt. of Gujarat
3	2011-12	200 ha.	AnkalvaVillage, Hansot, Bharuch	Gujarat Ecology Commission (GEC) , Govt. of Gujarat
4	2012-13	200 ha. 100 ha.	AnkalvaVillage, Hansot, Bharuch RoniyaBhatha, Nr. Nirma, Bhavanagar	Gujarat Ecology Commission (GEC) , Govt. of Gujarat Bhavnagar Forest Division, Govt. of Gujarat
5	2013-14	200 ha.	RoniyaBhatha, Nr.Lock Gate, Bhavanagar	Bhavnagar Forest Division, Govt. of Gujarat
6	2014-15	200 ha.	RoniyaBhatha, Nr.Lock Gate, Bhavanagar	Bhavnagar Forest Division, Govt. of Gujarat
7	2014-15	50 ha.	Kentiyajal, Hansot Bharuch	Bharuch Forest Sub-Division, Govt. of Gujarat
8	2016-17	50 ha.	Gadula Village, Talaja Taluka, Mahuva, Bhavnagar	Bhavnagar Forest Division, Govt. of Gujarat
Total		1150 ha.		



S B Singh

ED (Plant Head)

Petronet LNG Limited,

Dahej Terminal-392130

(Signature of person carrying out an industry – operation or process)

Name: Mr. S B Singh
Designation: ED (Plant Head)
Address: M/s Petronet LNG Limited
Plot.7/A, GIDC Industrial Estate
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