

**Letter No:** 2340-DLTPL-SPCB-2024/25-L-108

**Dated-** 21.05.2024

To,  
The Member Secretary,  
Odisha State Pollution Control Board,  
Parivesh Bhawan, A/118,  
Nilakantha Nagar, Unit-VIII  
Bhubaneswar- 751012

**Sub: Submission of Environment Statement in Form V for Dhamra LNG Terminal Pvt. Ltd. for period of Apr'2023 to Mar' 2024.**

**Ref: Consent Order No. 4113/IND-I-CON-6878 dated 20.03.2023**

Dear Sir,

We are herewith submitting the **Environment Statement in Form V prescribed under Rule 14 of Environment (Protection) Rules,1986** in favor of "**Dhamra LNG Terminal Private Limited**" situated at Dhamra, Bhadrak, Dist- Odisha, for the financial year ending 31<sup>st</sup> March 2024.

Thanking You,  
Yours Sincerely,



Venugopal S  
Site Head HSE  
**Dhamra LNG Terminal Pvt. Ltd. (DLTPL)**  
Dhamra, Odisha

**Encl: As above**

**Dhamra LNG Terminal Private Limited**  
Limited

CIN: U11200GJ2015PTC081996  
8<sup>th</sup> Floor, Aravalli House, At Adani Shantigram, Near Vaishnodevi Circle,  
S G Highway, Ahmedabad 382 421, Gujarat, India  
Tel +91 79 2656 5555 Fax +91 79 2555 5500

A subsidiary of Adani Total Private



Registered Office: Adani House, Nr Mithakhali Six Roads, Navrangpura, Ahmedabad 380 009, Gujarat, India

FORM – V  
(See rule 14)

Environmental Audit Report for the Financial year ending the 31<sup>st</sup> March 2024.

**PART – A**

1.	Name & address of the owner/ occupier of the industry, operation or process.	Shri Satinder Pal Singh Chief Executive Officer Dhamra LNG Terminal Pvt Ltd At/Po-Dosinga, Via-Dhamra, Dist-Bhadrak, Odisha -756171
2.	Industry category Primary (STC Code), Secondary (STC Code)	Red-A
3.	Production Capacity- Units	5.0 Million MT/Annum of Natural Gas
4.	Year of establishment	2019 (Commissioning – 2023)
5.	Date of last environmental statement	NA

**PART – B**

**Water and Raw material Consumption**

**(i) Water Consumption**

<b>Water consumption in cum /day</b>	
Cooling	Nil
Process	Nil
Domestic	4.0 m3/day
Dust Suppression and Fire fighting	54.0 m3/day

<b>Name of Products</b>	<b>Water consumption per unit of products</b>	
	<b>During the previous financial year (1)</b>	<b>During the current financial year (2)</b>
Natural Gas	0	0

**(i) Raw Material Consumption**

<b>Name of Raw Materials</b>	<b>Name of Products</b>	<b>Consumption of Raw Material Per unit of output</b>	
		<b>During the previous financial yr</b>	<b>During the current financial yr</b>
Liquified natural gas	Natural gas	0	1.0419 Million MT/annum

**PART – C**  
**Pollutants discharged to environment/Unit of Output**  
(Parameters as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (Mass/volume)	Percentage of variation from prescribed standards with consent
a) Water	0.12Kg/day	6.0mg/l	-80 % (reduced BOD)
b) Air	287.6 Kg/day	120.436mg/m <sup>3</sup>	- 35.9% (reduced NOx generation)

**PART – D**  
[as specified under Hazardous Wastes (Management & Handling) Rules, 1989]

Hazardous Waste	Total generation Quantity	
	During previous financial year (2022-2023)	During current financial year (2023-2024)
a) From Process Used Oil/Spent Oil	0	0.320 KL
b) From Process Wastes/Residues containing Oil	0	0
c) From Process Empty Barrels and containers	0	0
d) From Process Contaminated cotton rags	0	0.054 Kg

**PART – E**  
**Solid Wastes**

Solid waste	Total generation Quantity (MT/annum)	
	During previous financial year (2022-2023)	During current financial year (2023-2024)
From process	0	0
From pollution control facility	0	0
Quantity recycled or re-utilized.	0	0

## 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.

Sl.No	Name of waste	Disposal Method
1	Hazardous waste	HW authorization obtained on 31.03.2024 and shall be disposed the succeeding year

## PART – G

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

### AIR QUALITY

- Continuous stack emission monitoring system has been provided for GEG power generator. Three numbers of stack has been provided as per the height requirement as per CPCB emission rule.
- Monthly Manual Monitoring of the GEG CPP Stack is being carried out through NABL approved lab and it is adhering to the pollution control board norms.
- Exhaust Emission from Emergency DG Sets is being carried out regularly through NABL approved lab.
- Natural Gas is used for generation of power which is less polluting than other fossil fuels.

### NOISE QUALITY

- Maintenance of the pumps are carried out done as per Scheduled checklist.
- Noise measurement is being done for the equipment and found within acceptable limits.
- Acoustic enclosures are already provided in GEG CPP and EDG buildings.
- Earmuffs and Ear Plugs are already provided along with signages at high noise areas.
- All DG sets are adhering to DG set rules and guidelines by CPCB under the EP Rules. In this regard, stack monitoring and DG set noise monitoring is being carried out regularly.
- Green belt has been developed along the approach road and terminal boundary with native species. Also 176 Ha Buffer Zone allocated by Forest dept. is being developed with green belt.
- Compliance monitoring as per Noise Rules,2000 is being carried out at compressor area, Fire water pumps, EDG buildings, GEG areas and other noise generating machineries.

### SOLID WASTE MANAGEMENT

- All municipal solid waste generated are segregated at source, stored in "blue" & "green" bins and sent to DPCL for Composting other than recyclable wastes.
- The recyclable waste is sold to authorized vendors. The waste generated are handled a per the waste management rules,2016

## WASTEWATER MANAGEMENT PLAN

- No trade effluent is generated from the terminal. The domestic wastewater is being treated in STP and is reused in plantation.

## BIODIVERSITY CONSERVATION

- The Project Proponent is complying with the directions as prescribed by MoEFCC and SPCB.
- Biodiversity plan has been prepared along with the ESIA report and is implemented.
- Turtle conservation plan has been prepared and implemented.
- Mangrove conservation plan is also implemented. 519 ha are already developed with mangroves and additionally 4400 nos. of mangroves have been planted for gap filling.
- Kanika Island conservation action plan are already Implemented.
- 8 nos. of awareness campaigns with 120 nos. of fishermen carried out in nearby villages.
- Special fishermen training to fishermen for safe passage for fishing activity. 3 fishing association and community organized consisting of 280 members for further training and awareness.

## PART – H

Additional investment proposal for environmental protection including abatement of pollution.

- The cold energy of LNG generated during regasification of LNG to NG is circulated through chilled water loop as a substitute to Air Conditioners.
- Use of LED lightings inside buildings and outside roads.
- The condensate water (water vapors) generated during regasification of LNG under atmospheric temperature is again used in washing, dust suppression and fire water networks.