

Ref No. APSEZL/EnvCell/2023-24/052

Date: 11.09.2023

To,  
Member Secretary  
Gujarat Pollution Control Board  
Paryavaran Bhavan,  
Sector-10-A, Gandhinagar – 382010

Dear Sir,

**Sub:** Environmental Statement for the financial year ending 31<sup>st</sup> March, 2023 for **M/s Mundra LPG Terminal Pvt. Ltd. (MLTPL)**.

- Ref:**
1. Consent Order AWH – 103906 issue dated 04.09.2019 Valid till 27.06.2024 (PCB ID: - 53331)
  2. CCA Amendment Order No. AH – 113548 issued on 01/07/2021 Valid upto 27/06/2024

With reference to the above-mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for **M/s Mundra LPG Terminal Pvt. Ltd. (MLTPL), Plot No. 169/P, Navinal Island, Mundra, Tal. Mundra, Dist. Kutch – 370421** for the financial year ending 31<sup>st</sup> March 2023.

Thank you,

Yours faithfully,  
For **Mundra LPG Terminal Pvt. Ltd. (MLTPL)**



Authorized Signatory

Encl: As above.

Copy to: **The Regional Officer, Gujarat Pollution Control Board (East-Kutch), Gandhidham.**

Mundra LPG Terminal Pvt Ltd  
Adani House,  
PO Box No. 1  
Mundra, Kutch 370 421  
Gujarat, India  
CIN: U40106GJ2015PTC084303

Tel +91 2838 25 5000  
Fax +91 2838 25 51110  
info@adani.com  
www.adani.com

  
Gujarat Pollution Control Board  
Head Office  
Sector No.-10-A,  
Gandhinagar-382010

**Environment Statement for 2022-23 for Mundra LPG Terminal Pvt. Ltd. (MLTPL).****(PCB ID: 53331)****FORM V**  
(See Rule 14)**Environmental Statement for the Financial Year ending 31<sup>st</sup> March 2022****PART – A**

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Mr. Sujalkumar Shah CEO – Mundra & Tuna Port <b>Mundra LPG Terminal Pvt. Ltd. (MLTPL),</b> Plot No. 169/P, Navinal Island, Mundra, Tal. Mundra, Dist. Kutch – 370421 Ph No. (02838) 255000
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	:	Red-Large NA NA
(iii)	Production Capacity	:	Handling, Storage & Distribution of LPG @ 3.56 MMTPA
(iv)	Year of Establishment	:	2017
(v)	Date of last Environment Statement submitted	:	31/08/2022

**PART – B****Water and Raw Material Consumption****(i) Water Consumption in m<sup>3</sup>/day: -**

Process	:	Nil
Cooling (Boiler feed/Cooling/Others)	:	166.21 KLD
Domestic	:	7.84 KLD

Name of product	Process water consumption per unit of product output	
	During the current financial year 2021-2022	During the current financial year 2022-2023
Handling, Storage & Distribution of LPG	0.097 KL/MT for LPG Handling, Storage & Distribution	0.076 KL/MT for LPG Handling, Storage & Distribution

The water does not consumed in handling, storage, distribution and manufacturing process of LPG. The water consumed for industrial purpose mainly in firefighting equipment testing, cooling tower operation the utility operation.

**Environment Statement for 2022-23 for Mundra LPG Terminal Pvt. Ltd. (MLTPL).****(PCB ID: 53331)****(ii) Raw Material Consumption**

Name of raw Materials	Name of Product	Consumption of Raw Material Per unit of Output	
		During the current financial year 2021-2022	During the current financial year 2022-2023
Propene	Handling, Storage & Distribution of LPG	0.458 MT / MT	0.495 MT / MT
Butane		0.506 MT / MT	0.480 MT / MT
Merkepton		0.001 MT / MT	0.007 MT / MT

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

Pollutants	Quantity of pollutants discharged (Mass/day)		Concentrations of pollutants in discharges (mass/volume)		Percentage of variation from prescribed standards with reasons
	Parameters	Avg. Mass Kg/Day	Parameters	Avg. Mass	
(a) Water	pH	-	pH	7.67	The industrial wastewater is neutralized in pH correction tank.
(b) Air	Particulate Matter (PM)	0.002	Particulate Matter (PM) (mg/Nm <sup>3</sup> )	23.49	No variation in prescribed standards. The parameters are well within the prescribed limit.
	Sulphur Dioxide (SO <sub>2</sub> )	0.003	Sulphur Dioxide (SO <sub>2</sub> ) (PPM)	10.51	
	Nitrogen Oxide (NO <sub>x</sub> )	0.006	Nitrogen Oxide (NO <sub>x</sub> ) (PPM)	36.63	1. DG sets having capacities 2000 KVA is provided as a standby power source and used during power failure. Analysis reports of stack monitoring are enclosed as <b>Annexure – 1.</b>

**Environment Statement for 2022-23 for Mundra LPG Terminal Pvt. Ltd. (MLTPL).****(PCB ID: 53331)****PART – D****Hazardous Wastes****(As specified under Hazardous Wastes Management and Handling Rules 1989)**

Hazardous Waste	Total Quantity (Kg)	
	During the current financial year 2021-2022	During the current financial year 2022-2023
<b>From Process</b>		
Used/Spent Oil	Nil*	Nil*
Discarded drum / Containers		
Oily cotton rags		
Sludge and filters contaminated with oil		
<b>From Pollution Control facility</b>	Not Applicable	Not Applicable

\*Due to very minimum hazardous waste generation quantity considering clean operational activity the waste did not disposed during last years. Whenever sizable quantity of the hazardous waste will be accumulated it will be disposed as per HW rules and regulation.

**PART – E****Solid Waste**

Waste	Total Quantity (MT)	
	During the current financial year 2021-2022	During the current financial year 2022-2023
<b>a. From Process</b>		
Dry Waste**	3458.24	3779.70
Wet Waste**	868.51	897.82
RDF**	376.01	544.17
<b>b. From pollution control facilities</b>		
(C-1) Quantity recycled or reutilized within the unit	1689.07	1700.24
(C-2) Sold	2637.683	2977.281
(C-3) Disposed	376.01	544.17

\*\* Above mentioned solid waste details are of entire APSEZ area including MLTPL. The solid waste of MLTPL is also being managed in APSEZ waste management system. The solid waste (glass, paper, plastic, metal scrap and food waste) categorized in Recyclable Waste, Wet Waste and Refused Derived Fuel (RDF) and managed in common waste management facility of APSEZ.

## **Environment Statement for 2022-23 for Mundra LPG Terminal Pvt. Ltd. (MLTPL).**

**(PCB ID: 53331)**

### **PART - F**

**Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:**

#### **Details of Hazardous Waste Management**

<b>Hazardous waste</b>	<b>Quantity (MT) disposed During the current financial year 2022-2023</b>	<b>Disposal Practice</b>
Used/Spent Oil	Nil	Collection, Storage, Transportation & Disposal by reuse within premises and / or selling out to registered recycler/ reprocessor.
Discarded drum / Containers	Nil	Collection, Storage, Transportation & Disposal by reuse within premises and / or selling out to registered recycler/ reprocessor
Oily cotton rags	Nil	Collection, Storage, Transportation & Disposal by Co-processing at Cement Industries.
Sludge and filters contaminated with oil	Nil	Collection, Storage, Transportation & Disposal by selling out to registered recycler/ reprocessor.

#### **Details of Solid Waste Management\***

<b>Solid Waste</b>	<b>Quantity (MT) disposed during the current financial year 2022-2023</b>	<b>Disposal method</b>
Dry Waste	3779.701	After recovery sent/sold for recycling or reuse within premises
Wet Waste	897.82	Food waste Converted to Manure for horticultural use and biogas generation for cooking purpose.
RDF	544.17	Sending to cement industry for co processing

\* Above mentioned solid waste details are of entire APSEZ area including MLTPL. The solid waste of MLTPL is also being managed in APSEZ waste management system. The solid waste (glass, paper, plastic, metal scrap and food waste) categorized in Recyclable Waste, Wet Waste and Refused Derived Fuel (RDF) and managed in common waste management facility of APSEZ.

- APSEZ has awarded with Zero Waste to Landfill Management System (ZWTL MS 2020) from TÜV Rheinland India Pvt. Ltd (attached as **Annexure – 2**).

### **PART – G**

**Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.**

- ✓ Improving the water quality of cooling tower by Auto dosing of chemicals, with this implementation the RO water consumption in cooling tower is reduced, except the blowdown as per the system requirement.
- ✓ Optimization of TLF loading operation by use of single boiler for heating of cargo which confines to the Fuel consumption as well as the pollution control up to some extent.
- ✓ MLTPL has conducted Energy audit in FY 2020-2021 through the accredited third party auditor. The suggestions and recommendations are implemented.

## **Environment Statement for 2022-23 for Mundra LPG Terminal Pvt. Ltd. (MLTPL).**

**(PCB ID: 53331)**

- ✓ As a pollution abatement measures flue gas emission utilities such as steam boiler and DG set Adequate stack height maintained.
- ✓ Green fuel such as LPG is used in steam boiler to reduce emission.
- ✓ There is no any process wastewater generation from LPG terminal. Wastewater generated from Boiler blow down, cooling blow down and RO reject from water treatment plant as industrial wastewater and it is being treated in neutralization tank for pH correction.
- ✓ Treated water from LPG plant is being sent to 1500 KL of APSEZ fire water tank, which is utilized for gardening and horticulture within APSEZ premises to conserve the fresh water consumption.
- ✓ Domestic sewage is being sent to Effluent Treatment Plant of APSEZ and treated water is being utilized on land for gardening and horticulture within APSEZ premises.
- ✓ Following safeguard measures are taken for abatement of dust and noise emissions:
  - Regular cleaning of roads
  - D.G. Set having acoustic enclosures
  - Continuous monitoring system installed for steam boiler stack gas emission.

### **PART – H**

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

MLTPL has developed green belt area @ 0.11 Ha with 1215 nos. of saplings within the LPG terminal premises in available space considering safety aspect due to handling of hazardous flammable material. However MLTPL is co-developer of Adani Ports and SEZ Limited (APSEZ), Mundra and located inside the APSEZ. So far APSEZ has developed more than 457.99 ha. area as greenbelt with plantation of more than 9.06Lacs trees within the entire APSEZ, Mundra area as part of environmental protection.

### **PART – I**

#### **Any other particulars for improving the quality of environment:**

- Monitoring of environmental parameters such as Air, Noise, and wastewater quality being done regular basis through MoEF & NABL recognized laboratory (M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi).
- Awareness program and training on waste management, water conservation, energy conservation for employees & their families, contractors, local community is being conducted on regular basis.
- APSEZ has set up separate Environment Cell which is also looking the environmental management and environmental performance monitoring of MLTPL.

Date: 11-09-2023



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

Designation: **Head – Environment**

Address: **Mundra LPG Terminal Pvt. Ltd. (MLTPL), Mundra, Kutch – 370421.**

MoEF&CC (GOI) Recognized Environmental  
Laboratory under the EPA-1986 (12.01.2020 to 17.03.2023)

QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

ISO 9001:2015  
Certified Company

ISO 45001:2018  
Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
Month of Monitoring	:	April - 2022
Name of Location	:	LPG Terminal Substation
Location Code	:	AAQM – 04
GPS Location	:	22°44'8.19"N, 69°42'37.35"E
UERL ID No.	:	APSEZ/A-04/22/04/004
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163) FPS (Sr. No. 220102163)

**Sampling Date: 07/04/2022**

Sr. No.	Parameter	Unit	Result	Permissible Limit as per NAAQMS – November 2009 Notification	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/M <sup>3</sup>	89.12	100	IS - 5182, Part- 23
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/M <sup>3</sup>	43.25	60	UERL/AIR/SOP/11
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/M <sup>3</sup>	21.45	80	IS - 5182, Part - 2
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/M <sup>3</sup>	29.25	80	IS - 5182, Part - 6
5.	Carbon Monoxide (CO)	mg/M <sup>3</sup>	0.54	4	IS - 5182, Part - 10
6.	Ammonia (NH <sub>3</sub> )	µg/M <sup>3</sup>	<5.0	400	UERL/ AIR/ SOP/05
7.	Ozone (O <sub>3</sub> )	µg/M <sup>3</sup>	<5.0	100	IS – 5182, Part – 9
8.	Lead (Pb)	µg/M <sup>3</sup>	<0.5	1	IS – 5182, Part – 22
9.	Arsenic (As)	ng/M <sup>3</sup>	ND	6	IS – 5182, Part – 22
10.	Nickel (Ni)	ng/M <sup>3</sup>	ND	20	IS – 5182, Part – 22
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/M <sup>3</sup>	ND	5	IS – 5182, Part – 11
12.	Benzo (a) Pyrene (BaP)	ng/M <sup>3</sup>	ND	1	IS – 5182, Part – 12

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C. Office, Char Rasta, Vapi-396 195, Gujarat, India.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN:U73100GJ2007PTC051463

### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
Month of Monitoring	:	April - 2022
Name of Location	:	LPG Terminal Substation
Location Code	:	AAQM – 04
GPS Location	:	22°44'8.19"N, 69°42'37.35"E
UERL ID No.	:	APSEZ/A-04/22/04/004
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163) FPS (Sr. No. 220102163)


Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	08-04-2022	82.40	37.92	24.63	31.26	0.90	ND	5.34
2.	11-04-2022	77.65	31.45	29.17	35.78	0.65	ND	8.14
3.	12-04-2022	86.45	46.78	15.44	25.67	1.00	ND	6.45
4.	18-04-2022	83.27	43.25	19.28	25.83	0.82	ND	3.95
5.	21-04-2022	89.34	38.72	25.23	33.89	0.08	ND	3.56
6.	25-04-2022	78.45	42.54	22.85	30.23	0.05	ND	2.10
7.	28-04-2022	81.26	37.25	28.54	37.45	1.00	ND	5.25
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

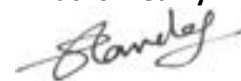
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**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	
Month of Monitoring	:	May - 2022	
Name of Location	:	LPG Terminal Substation	
Location Code	:	AAQM – 04	
GPS Location	:	22°44'8.19"N, 69°42'37.35"E	
UERL ID No.	:	APSEZ/A-04/22/05/004	
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163)	FPS (Sr. No. 220102163)

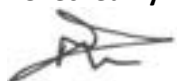
Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	02-05-2022	75.46	36.75	25.21	31.25	1.00	ND	4.12
2.	05-05-2022	87.12	31.25	23.18	29.87	0.85	ND	3.70
3.	09-05-2022	80.15	36.25	27.15	36.34	0.70	ND	2.25
4.	12-05-2022	84.56	43.56	26.12	35.12	0.50	ND	5.12
5.	16-05-2022	85.67	37.85	24.12	37.15	1.00	ND	2.15
6.	18-05-2022	79.86	41.25	25.15	31.19	1.15	ND	3.18
7.	23-05-2022	81.45	39.25	21.35	23.12	1.00	ND	1.00
8.	26-05-2022	79.34	35.18	23.17	30.15	1.25	ND	4.15
9.	30-05-2022	84.54	40.25	25.12	32.46	0.75	ND	2.35
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

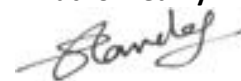
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**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

Name and Address of Company	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	
Month of Monitoring	:	June - 2022	
Name of Location	:	LPG Terminal Substation	
Location Code	:	AAQM – 04	
GPS Location	:	22°44'8.19"N, 69°42'37.35"E	
UERL ID No.	:	APSEZ/A-04/22/06/004	
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163)	FPS (Sr. No. 220102163)


Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	02-06-2022	84.56	35.12	28.95	34.45	1.23	ND	5.00
2.	06-06-2022	80.23	28.75	31.44	37.68	1.00	ND	3.45
3.	09-06-2022	84.53	35.67	29.15	34.56	1.00	ND	2.00
4.	13-06-2022	88.18	46.19	27.12	33.15	1.20	ND	4.25
5.	15-06-2022	86.75	37.85	29.45	35.12	1.00	ND	3.15
6.	20-06-2022	72.34	31.19	28.95	34.18	1.15	ND	4.00
7.	23-06-2022	85.24	32.19	26.72	33.17	1.00	ND	4.12
8.	27-06-2022	71.56	37.85	28.94	34.12	1.23	ND	7.15
9.	29-06-2022	87.54	32.19	27.89	32.68	1.00	ND	5.15
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

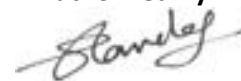
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

Name and Address of Company	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	
Month of Monitoring	:	July - 2022	
Name of Location	:	LPG Terminal Substation	
Location Code	:	AAQM – 04	
GPS Location	:	22°44'8.19"N, 69°42'37.35"E	
UERL ID No.	:	APSEZ/A-04/22/07/004	
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163)	FPS (Sr. No. 220102163)

**Sampling Date: 07/04/2022**


Sr. No.	Parameter	Unit	Result	Permissible Limit as per NAAQMS – November 2009 Notification	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/M <sup>3</sup>	62.34	100	IS - 5182, Part- 23
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/M <sup>3</sup>	20.14	60	UERL/AIR/SOP/11
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/M <sup>3</sup>	11.21	80	IS - 5182, Part - 2
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/M <sup>3</sup>	16.78	80	IS - 5182, Part - 6
5.	Carbon Monoxide (CO)	mg/M <sup>3</sup>	ND	4	IS - 5182, Part - 10
6.	Ammonia (NH <sub>3</sub> )	µg/M <sup>3</sup>	<5.0	400	UERL/ AIR/ SOP/05
7.	Ozone (O <sub>3</sub> )	µg/M <sup>3</sup>	8.45	100	IS – 5182, Part – 9
8.	Lead (Pb)	µg/M <sup>3</sup>	<0.5	1	IS – 5182, Part – 22
9.	Arsenic (As)	ng/M <sup>3</sup>	ND	6	IS – 5182, Part – 22
10.	Nickel (Ni)	ng/M <sup>3</sup>	ND	20	IS – 5182, Part – 22
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/M <sup>3</sup>	ND	5	IS – 5182, Part – 11
12.	Benzo (a) Pyrene (BaP)	ng/M <sup>3</sup>	ND	1	IS – 5182, Part – 12

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

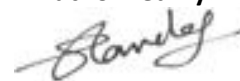
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>Name and Address of Company</b>	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
<b>Month of Monitoring</b>	:	June - 2022
<b>Name of Location</b>	:	<b>LPG Terminal Substation</b>
<b>Location Code</b>	:	<b>AAQM – 04</b>
<b>GPS Location</b>	:	22°44'8.19"N, 69°42'37.35"E
<b>UERL ID No.</b>	:	<b>APSEZ/A-04/22/06/004</b>
<b>Instrument Used for Monitoring</b>	:	RDS (Sr. No. 220102163)      FPS (Sr. No. 220102163)


Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	07-07-2022	34.56	11.25	9.23	12.34	ND	ND	ND
2.	11-07-2022	35.34	12.27	6.12	9.23	ND	ND	ND
3.	14-07-2022	36.78	11.45	7.45	9.15	ND	ND	ND
4.	18-07-2022	39.23	13.25	5.78	7.56	ND	ND	ND
5.	21-07-2022	35.67	12.43	7.13	9.23	ND	ND	ND
6.	25-07-2022	44.23	15.34	6.34	8.67	ND	ND	ND
7.	28-07-2022	40.21	13.28	5.21	9.15	ND	ND	ND
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

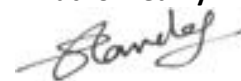
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**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>Name and Address of Company</b>	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
<b>Month of Monitoring</b>	:	August - 2022
<b>Name of Location</b>	:	<b>LPG Terminal Substation</b>
<b>Location Code</b>	:	<b>AAQM – 04</b>
<b>GPS Location</b>	:	22°44'8.19"N, 69°42'37.35"E
<b>UERL ID No.</b>	:	<b>APSEZ/A-04/22/08/004</b>
<b>Instrument Used for Monitoring</b>	:	RDS (Sr. No. 220102163)      FPS (Sr. No. 220102163)

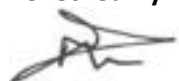
Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	01-08-2022	82.62	34.20	22.48	34.56	1.29	6.21	ND
2.	04-08-2022	78.56	34.87	26.61	32.39	1.25	4.84	ND
3.	08-08-2022	84.70	39.69	29.39	38.64	0.95	3.29	ND
4.	11-08-2022	87.39	46.26	20.22	28.10	1.05	7.63	ND
5.	15-08-2022	80.64	36.49	28.53	35.82	1.15	3.90	ND
6.	18-08-2022	85.50	47.83	27.94	34.78	1.23	4.78	ND
7.	22-08-2022	73.74	37.11	19.27	26.39	0.89	2.15	ND
8.	25-08-2022	89.71	30.57	28.35	39.06	1.11	6.30	ND
9.	29-08-2022	81.19	38.85	23.72	31.37	0.91	4.82	ND
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

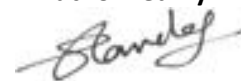
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	
Month of Monitoring	:	September - 2022	
Name of Location	:	<b>LPG Terminal Substation</b>	
Location Code	:	<b>AAQM – 04</b>	
GPS Location	:	22°44'8.19"N, 69°42'37.35"E	
UERL ID No.	:	<b>APSEZ/A-04/22/09/004</b>	
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163)	FPS (Sr. No. 220102163)


Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	01-09-2022	77.28	29.47	17.68	28.39	1.00	ND	5.83
2.	05-09-2022	87.26	31.20	24.36	29.67	1.15	ND	5.72
3.	08-09-2022	83.28	36.75	27.95	34.27	1.00	ND	4.29
4.	12-09-2022	74.19	34.84	24.63	29.19	1.13	ND	6.38
5.	15-09-2022	83.46	31.29	29.87	33.58	1.24	ND	5.13
6.	19-09-2022	86.97	37.69	23.48	27.58	1.12	ND	3.83
7.	22-09-2022	81.26	33.84	16.38	24.69	0.94	ND	4.93
8.	26-09-2022	84.83	32.45	23.64	31.28	1.18	ND	5.83
9.	29-09-2022	87.52	36.09	21.25	28.73	1.10	ND	3.18
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

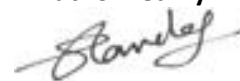
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**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

Name and Address of Company	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	
Month of Monitoring	:	October - 2022	
Name of Location	:	LPG Terminal Substation	
Location Code	:	AAQM – 04	
GPS Location	:	22°44'8.19"N, 69°42'37.35"E	
UERL ID No.	:	APSEZ/A-04/22/10/004	
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163)	FPS (Sr. No. 220102163)

**Sampling Date: 07/04/2022**


Sr. No.	Parameter	Unit	Result	Permissible Limit as per NAAQMS – November 2009 Notification	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/M <sup>3</sup>	82.19	100	IS - 5182, Part- 23
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/M <sup>3</sup>	32.27	60	UERL/AIR/SOP/11
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/M <sup>3</sup>	19.28	80	IS - 5182, Part - 2
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/M <sup>3</sup>	32.60	80	IS - 5182, Part - 6
5.	Carbon Monoxide (CO)	mg/M <sup>3</sup>	1.15	4	IS - 5182, Part - 10
6.	Ammonia (NH <sub>3</sub> )	µg/M <sup>3</sup>	<5.0	400	UERL/ AIR/ SOP/05
7.	Ozone (O <sub>3</sub> )	µg/M <sup>3</sup>	9.12	100	IS – 5182, Part – 9
8.	Lead (Pb)	µg/M <sup>3</sup>	<0.5	1	IS – 5182, Part – 22
9.	Arsenic (As)	ng/M <sup>3</sup>	ND	6	IS – 5182, Part – 22
10.	Nickel (Ni)	ng/M <sup>3</sup>	ND	20	IS – 5182, Part – 22
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/M <sup>3</sup>	ND	5	IS – 5182, Part – 11
12.	Benzo (a) Pyrene (BaP)	ng/M <sup>3</sup>	ND	1	IS – 5182, Part – 12

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

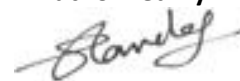
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>Name and Address of Company</b>	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
<b>Month of Monitoring</b>	:	October - 2022
<b>Name of Location</b>	:	<b>LPG Terminal Substation</b>
<b>Location Code</b>	:	<b>AAQM – 04</b>
<b>GPS Location</b>	:	22°44'8.19"N, 69°42'37.35"E
<b>UERL ID No.</b>	:	<b>APSEZ/A-04/22/10/004</b>
<b>Instrument Used for Monitoring</b>	:	RDS (Sr. No. 220102163)      FPS (Sr. No. 220102163)

Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	06-10-2022	77.29	36.25	27.36	34.74	1.00	ND	ND
2.	10-10-2022	87.79	33.94	31.15	38.67	1.12	ND	ND
3.	13-10-2022	89.52	41.37	28.71	34.29	1.00	ND	ND
4.	17-10-2022	72.64	29.28	33.57	42.69	1.17	ND	ND
5.	20-10-2022	86.38	35.31	27.89	34.72	1.00	ND	ND
6.	27-10-2022	84.82	36.86	21.42	27.49	1.00	ND	ND
7.	28-10-2022	72.64	36.88	29.47	34.63	0.95	ND	ND
8.	31-10-2022	83.94	31.19	26.75	34.28	1.00	ND	ND
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

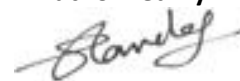
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**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
Month of Monitoring	:	November - 2022
Name of Location	:	LPG Terminal Substation
Location Code	:	AAQM – 04
GPS Location	:	22°44'8.19"N, 69°42'37.35"E
UERL ID No.	:	APSEZ/A-04/22/11/004
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163) FPS (Sr. No. 220102163)

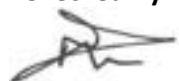
Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	03-11-2022	75.34	24.56	15.67	21.38	1.00	ND	5.83
2.	07-11-2022	80.12	34.12	17.89	23.45	1.15	ND	5.72
3.	10-11-2022	84.56	37.15	21.34	29.25	1.00	ND	4.29
4.	14-11-2022	80.23	31.25	18.76	25.45	1.13	ND	6.38
5.	17-11-2022	75.67	27.89	23.75	31.20	1.24	ND	5.13
6.	21-11-2022	86.39	31.25	19.47	27.58	1.12	ND	3.83
7.	24-11-2022	84.77	36.57	24.56	32.45	0.94	ND	4.93
8.	28-11-2022	70.23	23.44	26.84	33.21	1.18	ND	5.83
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

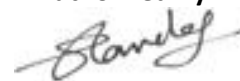
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**Nikunj D. Patel**  
(Chemist)

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Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
Month of Monitoring	:	December - 2022
Name of Location	:	LPG Terminal Substation
Location Code	:	AAQM – 04
GPS Location	:	22°44'8.19"N, 69°42'37.35"E
UERL ID No.	:	APSEZ/A-04/22/12/004
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163) FPS (Sr. No. 220102163)

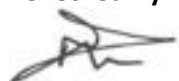
Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	01-12-2022	86.64	28.17	18.34	27.59	1.15	ND	3.58
2.	05-12-2022	71.28	26.53	23.19	32.27	1.17	ND	2.86
3.	08-12-2022	82.74	32.16	16.87	24.26	1.12	ND	4.27
4.	12-12-2022	75.38	36.94	14.49	27.83	1.00	ND	3.66
5.	15-12-2022	86.96	34.46	16.03	23.19	0.92	ND	2.71
6.	19-12-2022	73.48	37.52	24.71	32.68	1.00	ND	5.24
7.	22-12-2022	81.87	28.75	17.49	26.96	1.12	ND	3.19
8.	26-12-2022	76.19	32.71	21.27	29.14	1.00	ND	3.84
9.	29-12-2022	84.47	28.28	19.37	23.59	1.16	ND	4.26
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

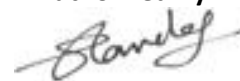
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

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**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

Name and Address of Company	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	
Month of Monitoring	:	January - 2023	
Name of Location	:	LPG Terminal Substation	
Location Code	:	AAQM – 04	
GPS Location	:	22°44'8.19"N, 69°42'37.35"E	
UERL ID No.	:	APSEZ/A-04/23/01/004	
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163)	FPS (Sr. No. 220102163)

**Sampling Date: 02/01/2022**

Sr. No.	Parameter	Unit	Result	Permissible Limit as per NAAQMS – November 2009 Notification	Test Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/M <sup>3</sup>	73.47	100	IS - 5182, Part- 23
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/M <sup>3</sup>	34.28	60	UERL/AIR/SOP/11
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/M <sup>3</sup>	19.63	80	IS - 5182, Part - 2
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/M <sup>3</sup>	31.24	80	IS - 5182, Part - 6
5.	Carbon Monoxide (CO)	mg/M <sup>3</sup>	1.00	4	IS - 5182, Part - 10
6.	Ammonia (NH <sub>3</sub> )	µg/M <sup>3</sup>	<0.5	400	UERL/ AIR/ SOP/05
7.	Ozone (O <sub>3</sub> )	µg/M <sup>3</sup>	11.25	100	IS – 5182, Part – 9
8.	Lead (Pb)	µg/M <sup>3</sup>	<0.5	1	IS – 5182, Part – 22
9.	Arsenic (As)	ng/M <sup>3</sup>	ND	6	IS – 5182, Part – 22
10.	Nickel (Ni)	ng/M <sup>3</sup>	ND	20	IS – 5182, Part – 22
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/M <sup>3</sup>	ND	5	IS – 5182, Part – 11
12.	Benzo (a) Pyrene (BaP)	ng/M <sup>3</sup>	ND	1	IS – 5182, Part – 12

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

<b>Name and Address of Company</b>	:	<b>M/S. Mundra LPG Terminal Pvt. Ltd.</b> PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
<b>Month of Monitoring</b>	:	January - 2023
<b>Name of Location</b>	:	<b>LPG Terminal Substation</b>
<b>Location Code</b>	:	<b>AAQM – 04</b>
<b>GPS Location</b>	:	22°44'8.19"N, 69°42'37.35"E
<b>UERL ID No.</b>	:	<b>APSEZ/A-04/23/01/004</b>
<b>Instrument Used for Monitoring</b>	:	RDS (Sr. No. 220102163)      FPS (Sr. No. 220102163)

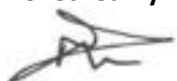
Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	05-01-23	58.61	29.74	32.48	38.67	1.15	ND	4.38
2.	09-01-23	78.46	42.74	26.62	37.74	1.15	ND	3.72
3.	12-01-23	63.42	32.43	23.59	32.10	1.12	ND	4.19
4.	16-01-23	76.68	26.51	24.93	32.85	1.00	ND	3.53
5.	19-01-23	71.39	29.86	16.85	29.83	1.15	ND	4.72
6.	23-01-23	85.47	37.85	19.66	28.73	1.00	ND	2.95
7.	26-01-23	71.59	34.28	28.42	37.27	1.17	ND	2.48
8.	30-01-23	82.46	36.18	26.37	36.93	1.00	ND	3.79
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

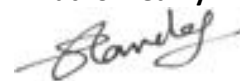
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
Month of Monitoring	:	February - 2023
Name of Location	:	LPG Terminal Substation
Location Code	:	AAQM – 04
GPS Location	:	22°44'8.19"N, 69°42'37.35"E
UERL ID No.	:	APSEZ/A-04/23/02/004
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163) FPS (Sr. No. 220102163)

Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	02-02-2023	69.73	39.14	26.79	37.18	0.93	ND	2.79
2.	06-02-2023	82.19	36.58	23.63	32.58	1.00	ND	3.62
3.	09-02-2023	88.74	27.26	29.18	43.55	1.17	ND	4.58
4.	13-02-2023	73.49	37.55	34.79	38.73	0.95	ND	3.38
5.	16-02-2023	68.27	34.08	31.53	36.39	1.14	ND	4.68
6.	20-02-2023	89.81	36.17	26.48	34.89	1.00	ND	3.86
7.	23-02-2023	85.25	31.49	23.17	26.42	1.15	ND	3.51
8.	27-02-2023	78.58	37.33	26.84	33.39	1.00	ND	3.27
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

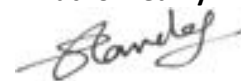
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



### TEST REPORT (AMBIENT AIR MONITORING)

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.
Month of Monitoring	:	March - 2023
Name of Location	:	LPG Terminal Substation
Location Code	:	AAQM – 04
GPS Location	:	22°44'8.19"N, 69°42'37.35"E
UERL ID No.	:	APSEZ/A-04/23/03/004
Instrument Used for Monitoring	:	RDS (Sr. No. 220102163) FPS (Sr. No. 220102163)


Sr. No.	Sampling Date	Result						
		PM <sub>10</sub> µg/M <sup>3</sup>	PM <sub>2.5</sub> µg/M <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ) µg/M <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ) µg/M <sup>3</sup>	Carbon Monoxide (CO) mg/m3	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Hydrocarbon (CH <sub>4</sub> ) mg/m3
Permissible Limit as per NAAQMS – November 2009 Notification		100 µg/M <sup>3</sup>	60 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	80 µg/M <sup>3</sup>	2.0 mg/M <sup>3</sup>	5.0 µg/M <sup>3</sup>	--
1.	02-03-2023	72.77	43.61	21.36	27.65	1.00	ND	3.09
2.	06-03-2023	87.27	34.16	27.52	36.18	1.14	ND	4.15
3.	09-03-2023	85.89	41.59	32.18	38.45	1.00	ND	3.51
4.	13-03-2023	81.21	34.76	25.48	34.19	1.00	ND	4.17
5.	16-03-2023	89.62	38.58	28.74	31.69	1.12	ND	3.27
6.	20-03-2023	70.51	41.92	29.26	37.36	1.15	ND	3.16
7.	23-03-2023	85.41	37.48	23.59	28.24	1.12	ND	4.52
8.	27-03-2023	74.37	40.14	29.75	36.92	0.95	ND	3.73
9.	30-03-2023	82.87	34.48	23.61	29.37	1.14	ND	3.27
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	IS - 5182, Part - 11	GC Method

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

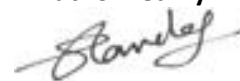
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-05/05

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	April – 2022	Date of Monitoring	:	28-04-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/04/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	61.8	22:00 to 23:00	57.6
2.	07:00 to 08:00	63.8	23:00 to 24:00	61.3
3.	08:00 to 09:00	66.7	24:00 to 01:00	60.1
4.	09:00 to 10:00	65.3	01:00 to 02:00	59.7
5.	10:00 to 11:00	66.7	02:00 to 03:00	60.5
6.	11:00 to 12:00	62.9	03:00 to 04:00	54.2
7.	12:00 to 13:00	64.2	04:00 to 05:00	64.5
8.	13:00 to 14:00	62.5	05:00 to 06:00	62.3
9.	14:00 to 15:00	63.6	<b>Average</b>	<b>60.0</b>
10.	15:00 to 16:00	60.6	<b>Maximum</b>	<b>64.5</b>
11.	16:00 to 17:00	63.5	<b>Minimum</b>	<b>54.2</b>
12.	17:00 to 18:00	60.5		
13.	18:00 to 19:00	58.5		
14.	19:00 to 20:00	58.3		
15.	20:00 to 21:00	59.5		
16.	21:00 to 22:00	58.5		
<b>Average</b>		<b>62.3</b>		
<b>Maximum</b>		<b>66.7</b>		
<b>Minimum</b>		<b>58.3</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:

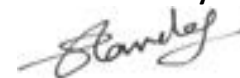


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

Regd. Office : 215, Royal Arcade, Near G.I.D.C. Office, Char Rasta, Vapi-396 195, Gujarat, India.

Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.

CIN:U73100GJ2007PTC051463

**TEST REPORT  
(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	May-2022	Date of Monitoring	:	09-05-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/05/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	62.6	22:00 to 23:00	60.5
2.	07:00 to 08:00	65.4	23:00 to 24:00	59.8
3.	08:00 to 09:00	67.1	24:00 to 01:00	58.5
4.	09:00 to 10:00	64.5	01:00 to 02:00	57.5
5.	10:00 to 11:00	69.6	02:00 to 03:00	55.6
6.	11:00 to 12:00	65.2	03:00 to 04:00	55.5
7.	12:00 to 13:00	63.2	04:00 to 05:00	58.4
8.	13:00 to 14:00	65.5	05:00 to 06:00	59.5
9.	14:00 to 15:00	62.8	<b>Average</b>	<b>58.2</b>
10.	15:00 to 16:00	64.1	<b>Maximum</b>	<b>60.5</b>
11.	16:00 to 17:00	66.3	<b>Minimum</b>	<b>55.5</b>
12.	17:00 to 18:00	68.3		
13.	18:00 to 19:00	63.5		
14.	19:00 to 20:00	65.2		
15.	20:00 to 21:00	62.3		
16.	21:00 to 22:00	60.7		
<b>Average</b>		<b>64.8</b>		
<b>Maximum</b>		<b>69.6</b>		
<b>Minimum</b>		<b>60.7</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

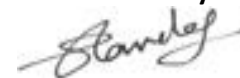
**Checked By:**



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

**Authorized By:**



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



**TEST REPORT  
(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	June-2022	Date of Monitoring	:	13-06-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/06/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	65.5	22:00 to 23:00	62.8
2.	07:00 to 08:00	66.7	23:00 to 24:00	60.4
3.	08:00 to 09:00	69.8	24:00 to 01:00	59.4
4.	09:00 to 10:00	65.5	01:00 to 02:00	58.8
5.	10:00 to 11:00	68.2	02:00 to 03:00	57.5
6.	11:00 to 12:00	66.5	03:00 to 04:00	59.2
7.	12:00 to 13:00	66.1	04:00 to 05:00	60.5
8.	13:00 to 14:00	67.3	05:00 to 06:00	62.5
9.	14:00 to 15:00	65.5	<b>Average</b>	<b>60.1</b>
10.	15:00 to 16:00	67.3	<b>Maximum</b>	<b>62.8</b>
11.	16:00 to 17:00	65.8	<b>Minimum</b>	<b>57.5</b>
12.	17:00 to 18:00	69.4		
13.	18:00 to 19:00	65.4		
14.	19:00 to 20:00	66.1		
15.	20:00 to 21:00	63.8		
16.	21:00 to 22:00	63.5		
	<b>Average</b>	<b>66.4</b>		
	<b>Maximum</b>	<b>69.8</b>		
	<b>Minimum</b>	<b>63.5</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**

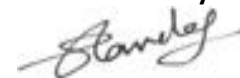


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

**Authorized By:**



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	July-2022	Date of Monitoring	:	14-07-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/07/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	63.2	22:00 to 23:00	61.9
2.	07:00 to 08:00	60.8	23:00 to 24:00	62.7
3.	08:00 to 09:00	68.2	24:00 to 01:00	63.8
4.	09:00 to 10:00	65.9	01:00 to 02:00	60.1
5.	10:00 to 11:00	69.1	02:00 to 03:00	61.9
6.	11:00 to 12:00	62.6	03:00 to 04:00	63.7
7.	12:00 to 13:00	64.4	04:00 to 05:00	63.5
8.	13:00 to 14:00	62.5	05:00 to 06:00	57.9
9.	14:00 to 15:00	65.4	<b>Average</b>	<b>61.9</b>
10.	15:00 to 16:00	68.7	<b>Maximum</b>	<b>63.8</b>
11.	16:00 to 17:00	62.4	<b>Minimum</b>	<b>57.9</b>
12.	17:00 to 18:00	60.7		
13.	18:00 to 19:00	63.8		
14.	19:00 to 20:00	69.4		
15.	20:00 to 21:00	65.5		
16.	21:00 to 22:00	68.1		
<b>Average</b>		<b>65.0</b>		
<b>Maximum</b>		<b>69.4</b>		
<b>Minimum</b>		<b>60.7</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:

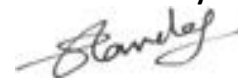


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	August-2022	Date of Monitoring	:	16-08-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/08/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	60.1	22:00 to 23:00	58.5
2.	07:00 to 08:00	63.8	23:00 to 24:00	59.8
3.	08:00 to 09:00	64.6	24:00 to 01:00	58.5
4.	09:00 to 10:00	65.8	01:00 to 02:00	56.8
5.	10:00 to 11:00	67.2	02:00 to 03:00	55.6
6.	11:00 to 12:00	64.9	03:00 to 04:00	57.7
7.	12:00 to 13:00	64.3	04:00 to 05:00	58.4
8.	13:00 to 14:00	66.3	05:00 to 06:00	58.3
9.	14:00 to 15:00	63.8	<b>Average</b>	<b>58.0</b>
10.	15:00 to 16:00	61.3	<b>Maximum</b>	<b>59.8</b>
11.	16:00 to 17:00	65.8	<b>Minimum</b>	<b>55.6</b>
12.	17:00 to 18:00	66.4		
13.	18:00 to 19:00	68.6		
14.	19:00 to 20:00	63.5		
15.	20:00 to 21:00	61.2		
16.	21:00 to 22:00	59.9		
<b>Average</b>		<b>64.2</b>		
<b>Maximum</b>		<b>68.6</b>		
<b>Minimum</b>		<b>59.9</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:

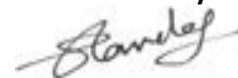


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	September-2022	Date of Monitoring	:	15-09-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/09/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	65.5	22:00 to 23:00	57.9
2.	07:00 to 08:00	66.7	23:00 to 24:00	60.0
3.	08:00 to 09:00	69.2	24:00 to 01:00	62.8
4.	09:00 to 10:00	65.5	01:00 to 02:00	57.8
5.	10:00 to 11:00	67.4	02:00 to 03:00	58.3
6.	11:00 to 12:00	64.9	03:00 to 04:00	59.9
7.	12:00 to 13:00	66.1	04:00 to 05:00	56.3
8.	13:00 to 14:00	67.3	05:00 to 06:00	60.2
9.	14:00 to 15:00	64.8	<b>Average</b>	<b>59.2</b>
10.	15:00 to 16:00	68.4	<b>Maximum</b>	<b>62.8</b>
11.	16:00 to 17:00	64.2	<b>Minimum</b>	<b>56.3</b>
12.	17:00 to 18:00	68.2		
13.	18:00 to 19:00	64.5		
14.	19:00 to 20:00	66.1		
15.	20:00 to 21:00	64.1		
16.	21:00 to 22:00	63.4		
	<b>Average</b>	<b>66.0</b>		
	<b>Maximum</b>	<b>69.2</b>		
	<b>Minimum</b>	<b>63.4</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:

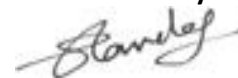


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	October-2022	Date of Monitoring	:	17-10-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/09/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	61.7	22:00 to 23:00	58.6
2.	07:00 to 08:00	63.8	23:00 to 24:00	61.3
3.	08:00 to 09:00	64.7	24:00 to 01:00	60.1
4.	09:00 to 10:00	65.3	01:00 to 02:00	57.4
5.	10:00 to 11:00	66.7	02:00 to 03:00	61.2
6.	11:00 to 12:00	62.4	03:00 to 04:00	54.2
7.	12:00 to 13:00	64.2	04:00 to 05:00	56.2
8.	13:00 to 14:00	61.3	05:00 to 06:00	61.0
9.	14:00 to 15:00	64.3	<b>Average</b>	<b>58.8</b>
10.	15:00 to 16:00	60.6	<b>Maximum</b>	<b>61.3</b>
11.	16:00 to 17:00	63.5	<b>Minimum</b>	<b>54.2</b>
12.	17:00 to 18:00	60.5		
13.	18:00 to 19:00	58.5		
14.	19:00 to 20:00	59.1		
15.	20:00 to 21:00	59.5		
16.	21:00 to 22:00	58.1		
	<b>Average</b>	<b>62.1</b>		
	<b>Maximum</b>	<b>66.7</b>		
	<b>Minimum</b>	<b>58.1</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

Checked By:

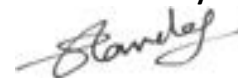


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	November-2022	Date of Monitoring	:	17-11-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/11/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	64.2	22:00 to 23:00	57.5
2.	07:00 to 08:00	68.7	23:00 to 24:00	56.3
3.	08:00 to 09:00	68.4	24:00 to 01:00	58.7
4.	09:00 to 10:00	64.6	01:00 to 02:00	59.5
5.	10:00 to 11:00	67.7	02:00 to 03:00	56.9
6.	11:00 to 12:00	64.3	03:00 to 04:00	61.2
7.	12:00 to 13:00	62.3	04:00 to 05:00	55.4
8.	13:00 to 14:00	68.4	05:00 to 06:00	60.3
9.	14:00 to 15:00	66.8	<b>Average</b>	<b>58.2</b>
10.	15:00 to 16:00	63.1	<b>Maximum</b>	<b>61.2</b>
11.	16:00 to 17:00	64.8	<b>Minimum</b>	<b>55.4</b>
12.	17:00 to 18:00	68.7		
13.	18:00 to 19:00	64.8		
14.	19:00 to 20:00	65.3		
15.	20:00 to 21:00	62.7		
16.	21:00 to 22:00	62.7		
	<b>Average</b>	<b>65.5</b>		
	<b>Maximum</b>	<b>68.7</b>		
	<b>Minimum</b>	<b>62.3</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

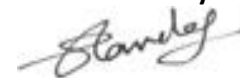
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	December-2022	Date of Monitoring	:	15-12-2022
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/22/12/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	58.8	22:00 to 23:00	61.4
2.	07:00 to 08:00	63.4	23:00 to 24:00	60.7
3.	08:00 to 09:00	66.2	24:00 to 01:00	62.5
4.	09:00 to 10:00	68.1	01:00 to 02:00	61.8
5.	10:00 to 11:00	62.5	02:00 to 03:00	62.7
6.	11:00 to 12:00	64.9	03:00 to 04:00	62.2
7.	12:00 to 13:00	61.3	04:00 to 05:00	61.3
8.	13:00 to 14:00	63.7	05:00 to 06:00	59.9
9.	14:00 to 15:00	65.5	<b>Average</b>	<b>61.6</b>
10.	15:00 to 16:00	68.5	<b>Maximum</b>	<b>62.7</b>
11.	16:00 to 17:00	65.8	<b>Minimum</b>	<b>59.9</b>
12.	17:00 to 18:00	67.0		
13.	18:00 to 19:00	62.2		
14.	19:00 to 20:00	65.8		
15.	20:00 to 21:00	63.2		
16.	21:00 to 22:00	62.3		
<b>Average</b>		<b>64.3</b>		
<b>Maximum</b>		<b>68.5</b>		
<b>Minimum</b>		<b>58.8</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

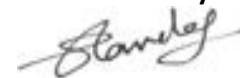
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	January - 2023	Date of Monitoring	:	16-01-2023
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/23/01/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	60.3	22:00 to 23:00	60.3
2.	07:00 to 08:00	62.8	23:00 to 24:00	63.6
3.	08:00 to 09:00	68.1	24:00 to 01:00	62.5
4.	09:00 to 10:00	63.7	01:00 to 02:00	61.4
5.	10:00 to 11:00	62.5	02:00 to 03:00	63.0
6.	11:00 to 12:00	64.9	03:00 to 04:00	63.1
7.	12:00 to 13:00	63.5	04:00 to 05:00	63.9
8.	13:00 to 14:00	63.7	05:00 to 06:00	60.2
9.	14:00 to 15:00	66.3	<b>Average</b>	<b>62.3</b>
10.	15:00 to 16:00	68.5	<b>Maximum</b>	<b>63.9</b>
11.	16:00 to 17:00	64.2	<b>Minimum</b>	<b>60.2</b>
12.	17:00 to 18:00	67.3		
13.	18:00 to 19:00	62.2		
14.	19:00 to 20:00	66.4		
15.	20:00 to 21:00	65.8		
16.	21:00 to 22:00	61.3		
	<b>Average</b>	<b>64.5</b>		
	<b>Maximum</b>	<b>68.5</b>		
	<b>Minimum</b>	<b>60.3</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**

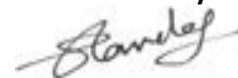


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

**Authorized By:**



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.



**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	February - 2023	Date of Monitoring	:	16-02-2023
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/23/02/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	63.2	22:00 to 23:00	59.4
2.	07:00 to 08:00	67.7	23:00 to 24:00	56.3
3.	08:00 to 09:00	68.5	24:00 to 01:00	59.5
4.	09:00 to 10:00	62.9	01:00 to 02:00	60.3
5.	10:00 to 11:00	68.6	02:00 to 03:00	58.4
6.	11:00 to 12:00	62.4	03:00 to 04:00	61.2
7.	12:00 to 13:00	63.8	04:00 to 05:00	56.7
8.	13:00 to 14:00	67.1	05:00 to 06:00	61.8
9.	14:00 to 15:00	64.8	<b>Average</b>	<b>59.2</b>
10.	15:00 to 16:00	67.5	<b>Maximum</b>	<b>61.8</b>
11.	16:00 to 17:00	61.2	<b>Minimum</b>	<b>56.3</b>
12.	17:00 to 18:00	68.7		
13.	18:00 to 19:00	64.8		
14.	19:00 to 20:00	63.2		
15.	20:00 to 21:00	62.7		
16.	21:00 to 22:00	62.9		
	<b>Average</b>	<b>65.0</b>		
	<b>Maximum</b>	<b>68.7</b>		
	<b>Minimum</b>	<b>61.2</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

**Checked By:**

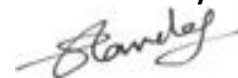


**Nikunj D. Patel**

(Chemist)

Page No.: 1 of 1

**Authorized By:**



**Jaivik S. Tandel**

(Manager - Operations)

UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

**TEST REPORT**  
**(AMBIENT NOISE LEVEL MONITORING)**

Name and Address of Company	:	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.			
Month of Monitoring	:	March - 2023	Date of Monitoring	:	16-03-2023
Name of Location	:	LPG Terminal Substation			
Location Code	:	NM – 04	Sampling Method	:	IS: 9989 : 1981
GPS Location	:	22°44'8.19"N, 69°42'37.35"E			
UERL ID No.	:	APSEZ/N-04/23/03/002			
Instrument Used for Monitoring	:	SLM-100 , 269 DTF 2014			

**Result :**

Sr. No.	Hour	Noise Level Leq. dB(A)	Hour	Noise Level Leq. dB(A)
		Day Time		Night Time
1.	06:00 to 07:00	63.2	22:00 to 23:00	58.2
2.	07:00 to 08:00	67.7	23:00 to 24:00	57.4
3.	08:00 to 09:00	68.5	24:00 to 01:00	60.1
4.	09:00 to 10:00	62.9	01:00 to 02:00	61.8
5.	10:00 to 11:00	68.6	02:00 to 03:00	57.5
6.	11:00 to 12:00	62.4	03:00 to 04:00	60.2
7.	12:00 to 13:00	63.8	04:00 to 05:00	57.4
8.	13:00 to 14:00	67.1	05:00 to 06:00	59.0
9.	14:00 to 15:00	64.8	<b>Average</b>	<b>59.0</b>
10.	15:00 to 16:00	67.5	<b>Maximum</b>	<b>61.8</b>
11.	16:00 to 17:00	61.2	<b>Minimum</b>	<b>57.4</b>
12.	17:00 to 18:00	68.1		
13.	18:00 to 19:00	64.8		
14.	19:00 to 20:00	63.2		
15.	20:00 to 21:00	62.7		
16.	21:00 to 22:00	62.9		
<b>Average</b>		<b>65.0</b>		
<b>Maximum</b>		<b>68.6</b>		
<b>Minimum</b>		<b>61.2</b>		

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70

Remarks:

Opinion & Interpretation (if required):

\*\*\*\*\* End of Report \*\*\*\*\*

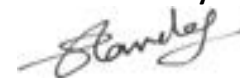
Checked By:



**Nikunj D. Patel**  
(Chemist)

Page No.: 1 of 1

Authorized By:



**Jaivik S. Tandel**  
(Manager - Operations)  
UERL/AIR/F-18/03

**Note:** This report is subject to Terms and Conditions mentioned overleaf.

### TEST REPORT

Report No.	URC /22/04/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	04/05/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	25/04/2022	Sample Received Date	26/04/2022
Test Started Date	26/04/2022	Test Completion Date	03/05/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/04/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	30
2.	pH @ 27 °C	APHA 23 <sup>rd</sup> Ed.,2017,4500-H <sup>+</sup> B	--	8.28
3.	Temperature	IS 3025(Part 9)1984	°C	30.2
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D	mg/L	28
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed.,2017,2540- C	mg/L	1612
6.	COD	IS 3025(Part 58)2006	mg/L	110.8
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	26
8.	Chloride (as Cl) <sup>-</sup>	IS 3025(PART 32) 1988	mg/L	580.4
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	3
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	5.12

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

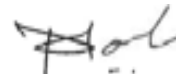
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(Nilesh C. Patel)  
(Sr. Chemist)

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(Nitin B. Tandel)  
(Technical Manager)

UERL/CHM/F-2/05

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### TEST REPORT

Report No.	URC /22/05/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	07/06/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	30/05/2022	Sample Received Date	31/05/2022
Test Started Date	31/05/2022	Test Completion Date	06/06/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/05/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	25
2.	pH @ 27 ° C	APHA 23 <sup>rd</sup> Ed.,2017,4500-H+B	--	8.11
3.	Temperature	IS 3025(Part 9)1984	°C	30.5
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D	mg/L	36
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed.,2017,2540- C	mg/L	1724
6.	COD	IS 3025(Part 58)2006	mg/L	134.5
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	32
8.	Chloride (as Cl) -	IS 3025(PART 32) 1988	mg/L	602
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	2
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	5.26

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

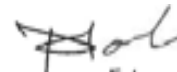
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(Technical Manager)

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### TEST REPORT

Report No.	URC /22/06/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	07/07/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	28/06/2022	Sample Received Date	29/06/2022
Test Started Date	29/06/2022	Test Completion Date	06/07/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/06/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	30
2.	pH @ 27 °C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	8.14
3.	Temperature	IS 3025(Part 9)1984	°C	31
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 –D	mg/L	32
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1684
6.	COD	IS 3025(Part 58)2006	mg/L	112.4
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	27
8.	Chloride (as Cl) -	IS 3025(PART 32) 1988	mg/L	516.9
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	2.0
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	6.14

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

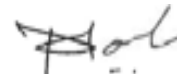
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QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

ISO 9001:2015  
Certified Company

ISO 45001:2018  
Certified Company

### TEST REPORT

Report No.	URC /22/07/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	29/07/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	22/07/2022	Sample Received Date	23/07/2022
Test Started Date	23/07/2022	Test Completion Date	28/07/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/07/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	20
2.	pH @ 27 °C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	8.11
3.	Temperature	IS 3025(Part 9)1984	°C	30
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 -D	mg/L	28
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1666
6.	COD	IS 3025(Part 58)2006	mg/L	140.6
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	33
8.	Chloride (as Cl) -	IS 3025(PART 32) 1988	mg/L	480.6
9.	Oil & Grease	IS 3025(Part 39)1991, Amd. 2	mg/L	3.0
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	6.24

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

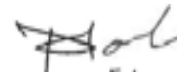
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(Sr. Chemist)

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(Nitin B. Tandel)  
(Technical Manager)

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### TEST REPORT

Report No.	URC /22/08/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	01/09/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	26/08/2022	Sample Received Date	27/08/2022
Test Started Date	27/08/2022	Test Completion Date	31/08/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/08/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	25
2.	pH @ 27 °C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	7.98
3.	Temperature	IS 3025(Part 9)1984	°C	30
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 -D	mg/L	26
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1678
6.	COD	IS 3025(Part 58)2006	mg/L	128.2
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	31
8.	Chloride (as Cl) -	IS 3025(PART 32) 1988	mg/L	512.5
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	3
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	6.5

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

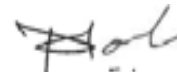
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(Technical Manager)

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### TEST REPORT

Report No.	URC /22/09/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	05/10/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	26/09/2022	Sample Received Date	27/09/2022
Test Started Date	27/09/2022	Test Completion Date	04/10/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/09/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	30
2.	pH @ 27 °C	APHA 23 <sup>rd</sup> Ed.,2017,4500-H+B	--	7.48
3.	Temperature	IS 3025(Part 9)1984	°C	30.5
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed.,2017,2540 –D	mg/L	32
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed.,2017,2540- C	mg/L	1704
6.	COD	IS 3025(Part 58)2006	mg/L	149.9
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	36
8.	Chloride (as Cl) -	IS 3025(PART 32) 1988	mg/L	434.7
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	2.0
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	6.3

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

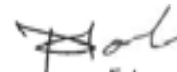
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(Nilesh C. Patel)  
(Sr. Chemist)

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(Nitin B. Tandel)  
(Technical Manager)

UERL/CHM/F-2/05

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QCI-NABET Accredited EIA  
Consultant Organization

GPCB Recognized Environmental  
Auditor (Schedule-II)

ISO 9001:2015  
Certified Company

ISO 45001:2018  
Certified Company

### TEST REPORT

Report No.	URC /22/10/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	22/10/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	18/10/2022	Sample Received Date	19/10/2022
Test Started Date	19/10/2022	Test Completion Date	22/10/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/10/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	40
2.	pH @ 27 °C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	7.64
3.	Temperature	IS 3025(Part 9)1984	°C	30.5
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 –D	mg/L	42
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1688
6.	COD	IS 3025(Part 58)2006	mg/L	166.3
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	40
8.	Chloride (as Cl) -	IS 3025(PART 32) 1988	mg/L	371.5
9.	Oil & Grease	IS 3025(Part 39)1991, Amd. 2	mg/L	2.0
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	6.0

Remarks: BDL= Below Detection Limit, MDL = Minimum Detection Limit,

Opinion & Interpretation (If required):

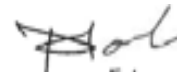
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(Nilesh C. Patel)  
(Sr. Chemist)

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(Nitin B. Tandel)  
(Technical Manager)

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### TEST REPORT

Report No.	URC /22/11/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	25/11/2022
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	18/11/2022	Sample Received Date	19/11/2022
Test Started Date	19/11/2022	Test Completion Date	24/11/2022
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/11/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	40
2.	pH @ 27 ° C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	7.17
3.	Temperature	IS 3025(Part 9)1984	°C	30
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 –D	mg/L	12
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1084
6.	COD	IS 3025(Part 58)2006	mg/L	110
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	26
8.	Chloride (as Cl) <sup>-</sup>	IS 3025(PART 32) 1988	mg/L	559.9
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	2
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	2.1

Remarks: --

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

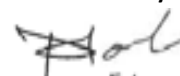
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### TEST REPORT

Report No.	URC /22/12/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	03/01/2023
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	27/12/2022	Sample Received Date	28/12/2022
Test Started Date	28/12/2022	Test Completion Date	02/01/2023
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	22/12/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	30
2.	pH @ 27 ° C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	7.15
3.	Temperature	IS 3025(Part 9)1984	°C	29.5
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 –D	mg/L	18
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1224
6.	COD	IS 3025(Part 58)2006	mg/L	128.4
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	31
8.	Chloride (as Cl) <sup>-</sup>	IS 3025(PART 32) 1988	mg/L	602
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	3
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	4.6

Remarks: --

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

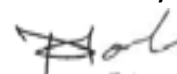
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### TEST REPORT

Report No.	URC /23/01/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	08/02/2023
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	28/01/2023	Sample Received Date	30/01/2023
Test Started Date	30/01/2023	Test Completion Date	07/02/2023
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	23/01/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	40
2.	pH @ 27 ° C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	7.29
3.	Temperature	IS 3025(Part 9)1984	°C	28.5
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 –D	mg/L	22
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1422
6.	COD	IS 3025(Part 58)2006	mg/L	106.5
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	25
8.	Chloride (as Cl) <sup>-</sup>	IS 3025(PART 32) 1988	mg/L	580
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	2
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	4.1

Remarks: --

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

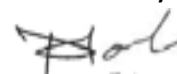
Checked By



(Nilesh C. Patel)  
(Sr. Chemist)

Page 1 of 1

Authorized By



(Nitin B. Tandel)  
(Technical Manager)

UERL/CHM/F-2/05

**Note:** This report is subject to terms and conditions mentioned overleaf.

### TEST REPORT

Report No.	URC /23/02/LPG/APL-0001		
Name and Address of Company	M/S. Mundra LPG Terminal Pvt. Ltd. PLOT NO. 169/P, AT - NAVINAL ISLAND, Village - MUNDRA, Tal. – Mundra, DIST. - KUTCH - 370421.	Date of Report	08/03/2023
		Customer's Ref.	As Per W.O.
Sample Details	Outlet Water Sample (Neutralization Treatment)	Location	LPG N-Pit
Sample Qty.	5 Lit.	Appearance	Slight Turbid
Sampling Date	27/02/2023	Sample Received Date	28/02/2023
Test Started Date	28/02/2023	Test Completion Date	07/03/2023
Sampled By	UERL-LAB	Sampling Method	UERL/CHM/SOP/116
UERL Lab ID. No.	23/02/LPG/APL-0001		

#### TEST RESULTS:

Sr. No.	Parameters	Test Method Permissible	Unit of Measurement	Results
1.	Colour	IS 3025(Part 4)	Pt. Co. Scale	40
2.	pH @ 27 ° C	APHA 23 <sup>rd</sup> Ed., 2017, 4500-H <sup>+</sup> B	--	7.44
3.	Temperature	IS 3025(Part 9)1984	°C	29
4.	Total Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540 –D	mg/L	32
5.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2017, 2540- C	mg/L	1464
6.	COD	IS 3025(Part 58)2006	mg/L	164.3
7.	BOD (3 days at 27 °C)	IS 3025(Part 44)1993Amd.01	mg/L	39
8.	Chloride (as Cl) <sup>-</sup>	IS 3025(PART 32) 1988	mg/L	564
9.	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	3
10.	Ammonical Nitrogen	IS 3025(Part 34)1988,	mg/L	6.1

Remarks: --

Opinion & Interpretation (If required):

\*\*\*\*\*End of Report \*\*\*\*\*

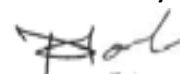
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(Nitin B. Tandel)  
(Technical Manager)

UERL/CHM/F-2/05

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# Certificate

Standard: **Zero Waste to Landfill Management System  
(ZWTL MS 2020)**

Certificate Holder: **Adani Ports and Special Economic Zone Limited**  
Mundra Port, Kutch - 370421,  
Gujarat, India

Scope: **Providing Port Facilities for Import and Export of  
Bulk, Break Bulk, Liquid and Containerized Cargo,  
its Storage and RORO Operation for Export of  
Vehicles**

Validity: **Proof has been furnished by means of an audit that the  
Requirements of ZWTL MS 2020 are met, with the  
achievement of waste diversion rate of above 99%**  
**This certificate is valid from 01-06-2021 until 31-05-2024  
Subject to satisfactory annual surveillance audits.**

Certificate No. TUV/ZWLMS/2021/Adani Ports/0501



New Delhi, 01-06-2021

TÜV Rheinland India Pvt. Ltd.  
Office 610, 6<sup>rd</sup> Floor, iThum  
Tower, A-40, Sector-62,  
Noida- 201301, India