

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/1527D/27/01

**HINDUSTAN OIL EXPLORATION COMPANY**

Site:North Balol GCS,Village: Balol , Dist : Mehsana

Reporting Date : 08/08/2024



### SAMPLE DETAILS

Lab ID:	Lab/PN/1527D/27/01	Sampling Date:	30/07/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	31/07/2024
Sample Type:	Water	Analysis Start Date:	01/07/2024
Sample Description:	Drinking Water	Analysis End Date:	07/08/2024
Sample Quantity:	4 L	Sampling Method:	GGMPL/WI/27A
Sample Condition:	Satisfactory	Packing:	Sealed

Specification:

Sr.No	Parameters	Results	Unit	Test Method	AL	PL
1	Alkalinity as CaCO <sub>3</sub>	30.00	mg/L	APHA 23rd Edition (2320 B)	200	600
2	Calcium as Ca	16.03	mg/L	APHA 23rd Edition (3500 Ca B)	75	200
3	Chloride	25.99	mg/L	IS 3025 -Part 32	250	1000
4	Magnesium as Mg	8.50	mg/L	APHA 23rd Edition (3500 Mg B)	30	100
5	pH at 25 °C	7.85	-	IS 3025-Part 11	6.5-8.5	No Relaxation
6	Chemical Oxygen Demand (COD)	BQL (QL=5)	mg/L	APHA 23rd Edition(5220 B)	NS	NS
7	Sulphate	10.93	mg/L	APHA 23rd Edition (4500 SO <sub>4</sub> E)	200	400
8	Total Dissolved Solids (TDS)	100.00	mg/L	APHA 23rd Edition (2540 C)	500	2000
9	Total Suspended Solids (TSS)	BQL (QL=5)	mg/L	APHA 23rd Edition (2540 D)	NS	NS
10	Potassium	0.25	mg/L	GGMPL/SOP/W & WW/46	NS	NS
11	Sodium	3.45	mg/L	GGMPL/SOP/W & WW/46	NS	NS

AL & PL As Per IS 10500.

NS=Not Specified, BQL=Below Quantification Limit,QL= Quantification Limit



Analyzed By  
Priyanka Shrimali



--- End of Report ---



Authorized Signatory  
Tantan Kumar

Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number : GGMPL/PN/1527D/27/02  
HINDUSTAN OIL EXPLORATION COMPANY  
Site:North Balol GCS,Village: Balol , Dist : Mehsana

Reporting Date: 08/08/2024

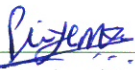


### SAMPLE DETAILS

Lab ID:	Lab/PN/1527D/27/02	Sampling Start Date:	30/07/2024
Sample Drawn By:	Laboratory Representative	Sampling End Date:	31/07/2024
Sample Type:	Ambient Air	Sample Receipt Date:	31/07/2024
Sample Description:	Nr. Main Gate	Analysis start- End Date:	01/08/2024-07/08/2024
Env. Cond.-Sampling:	Ambient Temperature	Total Sampling hours:	24
Env. Cond.-Sample Receipt:	Satisfactory	Env. Cond.-Testing:	25±5°C

Sr.No	Parameters	Results	Unit	Test Method	NAAQ Standards
1	Particulate Matter (PM10)	55.43	µg/m <sup>3</sup>	IS 5182- Part 23	100
2	Particulate Matter (PM2.5)	27.49	µg/m <sup>3</sup>	GGMPL/SOP/AA/60 Issue No.02 August 01	60
3	Sulphur Dioxide (SO <sub>2</sub> )	15.55	µg/m <sup>3</sup>	IS 5182-Part 2	80
4	Nitrogen Dioxide (NO <sub>2</sub> )	22.51	µg/m <sup>3</sup>	IS 5182- Part 6	80
5	Average Wind Speed	7.5	Km/Hrs	GGMPL/SOP/MP/01	NS

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

  
Analyzed By  
Priyanka Shrimali



  
Authorized Signatory  
Tantan Kumar

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Page No : 1/1

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/1527D/27/03

Reporting Date: 08/08/2024

HINDUSTAN OIL EXPLORATION COMPANY  
Site:North Balol GCS,Village: Balol , Dist : Mehsana




### SAMPLE DETAILS

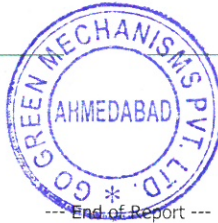
Lab ID:	Lab/PN/1527D/27/03	Sampling Date:	30/07/2024
Sample Drawn By:	Laboratory Representative	Sample Receipt Date:	31/07/2024
Sample Type:	Stack	Analysis start- End Date:	01/08/2024-07/08/2024
Stack Height & Dia (m):	5 & 0.2	Stack Temperature (°C):	96
Stack Attached To:	Gas Generator (30 KVA)	Stack gas velocity (m/sec):	7.86
Fuel Used:	Natural Gas	Volume of Air Sampled in NM3:	1.4313

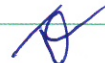
Sr.No	Parameters	Results	Unit	Test Method	Norms
1	Oxides of Nitrogen	9.43	ppm	IS 11255- Part 7	50
2	Particulate Matter	13.55	mg/Nm <sup>3</sup>	IS 11255- Part 1	150
3	Sulphur Dioxides	3.07	ppm	IS 11255- Part 2	100

Norms As Per CCA.

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Authorized Signatory  
Tantan Kumar

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## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/PN/1527D/27/04

Reporting Date: 08/08/2024

**HINDUSTAN OIL EXPLORATION COMPANY**

Site:North Balol GCS,Village: Balol , Dist : Mehsana



TC-7073


### SAMPLE DETAILS

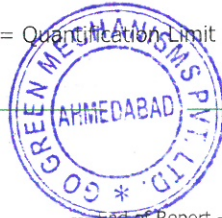
Sampling Instrument : Sound Level Meter  
Sample By : Laboratory Representative

Sampling Date: 30/07/2024  
Sample Description: Source Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/1527D/2 7/04A	Nr Main Gate	Day Time	dB(A)Leq	IS 4758	59.7	-
2	Lab/PN/1527D/2 7/04B	ADM Building	Day Time	dB(A)Leq	IS 4758	63.2	-
3	Lab/PN/1527D/2 7/04C	GG Room	Day Time	dB(A)Leq	IS 4758	68.1	-
4	Lab/PN/1527D/2 7/04D	Flare Area	Day Time	dB(A)Leq	IS 4758	63.9	-
5	Lab/PN/1527D/2 7/04E	Fire Pump House	Day Time	dB(A)Leq	IS 4758	67.1	-
6	Lab/PN/1527D/2 7/04F	Electrical Room	Day Time	dB(A)Leq	IS 4758	64.9	-
7	Lab/PN/1527D/2 7/04G	Loading Area	Day Time	dB(A)Leq	IS 4758	63.2	-
8	Lab/PN/1527D/2 7/04H	Process Area	Day Time	dB(A)Leq	IS 4758	64.5	-
9	Lab/PN/1527D/2 7/04I	Well NB#5	Day Time	dB(A)Leq	IS 4758	66.3	-

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Page No : 1/1

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