

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/2388/2024-25 & 29.08.2024
Sample Number	2388/24-25
Name of the Customer	M/s. HINDUSTAN OIL EXPLORATION COMPANY LIMITED(GAS PLANT),
Address	Pillaiperumalnallur, Near PPN Power Plant, Thirukadaiyur, Nagapattinam Dist - 609 311.
Sample Drawn by	Laboratory
Sample Name	Ambient Air
Sample Description	Ambient Air Quality
Sampling Location	NEAR WEIGH BRIDGE
Sample Drawn on	23.08.2024 & 09.30 to 17.30
Sample Received on	24.08.2024
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity	1 No
Equipment used for Sampling	Respirable Dust Sampler S.No :174C22 Fine Particulate Sampler S.No:1134A22
Analysis Started on	24.08.2024
Analysis Completed on	29.08.2024

ENVIRONMENTAL CONDITION:

RELATIVE HUMIDITY	54%
AMBIENT TEMPERATURE	35°C
WIND SPEED	6.4 Km/hr
WIND DIRECTION	SW
WEATHER CONDITION	Clear Sky

Test Results:

The above sample tested as received, and results are as follows:

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	NAAQS*
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	25.1	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006	µg/m ³	61.6	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001	µg/m ³	10.9	80
4	OXIDES OF NITROGEN (NO _x)	IS 5182 Part 6 - 2006	µg/m ³	18.9	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	27.0	180
6	LEAD (Pb)	IS 5182 PART 22 - 2004	µg/m ³	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	4
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	21.3	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006	µg/m ³	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004	ng/m ³	BDL(DL:0.5)	1

*National Ambient Air Quality Standards - CPCB

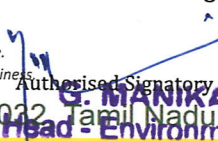
BDL - Below Detection Limit(D.L - Detection Limit)

END OF REPORT

For Chennai Testing Laboratory Pvt Ltd

Verified by 

The Report shall not be used to malign, defame and for any malicious purpose.
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Authorised Signatory

G. MANIKANDAN
Head - Environment Division
(CHEMICAL)

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India Page 1 of 1

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/2389/2024-25 & 29.08.2024
Sample Number	2389/24-25
Name of the Customer	M/s. HINDUSTAN OIL EXPLORATION COMPANY LIMITED(GAS PLANT),
Address	Pillaiiperumalnallur, Near PPN Power Plant, Thirukadaiyur, Nagapattinam Dist - 609 311.
Sample Drawn by	Laboratory
Sample Name	Ambient Air
Sample Description	Ambient Air Quality
Sampling Location	NEAR SLUG CATCHER AREA
Sample Drawn on	23.08.2024 & 10.00 to 18.00
Sample Received on	24.08.2024
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity	1 No
Equipment used for Sampling	Respirable Dust Sampler S.No :3240-DTG-2021 Fine Particulate Sampler S.No:1000-DTK-2020
Analysis Started on	24.08.2024
Analysis Completed on	29.08.2024

ENVIRONMENTAL CONDITION:

RELATIVE HUMIDITY	54%
AMBIENT TEMPERATURE	35°C
WIND SPEED	6.9 Km/hr
WIND DIRECTION	SW
WEATHER CONDITION	Clear Sky

Test Results:

The above sample tested as received, and results are as follows:

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	NAAQS*
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	16.3	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006	µg/m ³	40.1	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001	µg/m ³	5.2	80
4	OXIDES OF NITROGEN (NO _x)	IS 5182 Part 6 - 2006	µg/m ³	11.2	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	19.8	180
6	LEAD (Pb)	IS 5182 PART 22 - 2004	µg/m ³	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	4
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	14.4	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006	µg/m ³	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004	ng/m ³	BDL(DL:0.5)	1

*National Ambient Air Quality Standards - CPCB


BDL - Below Detection Limit(D.L - Detection Limit)

END OF REPORT

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MANIKANDAN
Head Environment Division
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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/2390/2024-25 & 29.08.2024
Sample Number	2390/24-25
Name of the Customer	M/s. HINDUSTAN OIL EXPLORATION COMPANY LIMITED(GAS PLANT),
Address	Pillaiperumalnallur, Near PPN Power Plant, Thirukadaiyur, Nagapattinam Dist - 609 311.
Sample Drawn by	Laboratory
Sample Name	Ambient Air
Sample Description	Ambient Air Quality
Sampling Location	NEAR PRODUCED WATER TANK AREA
Sample Drawn on	23.08.2024 & 10.15 to 18.15
Sample Received on	24.08.2024
Sampling Plan & Procedure	CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity	1 No
Equipment used for Sampling	Respirable Dust Sampler S.No :3239-DTG-2019 Fine Particulate Sampler S.No:1007-DTK-2020
Analysis Started on	24.08.2024
Analysis Completed on	29.08.2024

ENVIRONMENTAL CONDITION:

RELATIVE HUMIDITY	54%
AMBIENT TEMPERATURE	35°C
WIND SPEED	6.9 Km/hr
WIND DIRECTION	SW
WEATHER CONDITION	Clear Sky

Test Results:

The above sample tested as received, and results are as follows:

SL.NO	PARAMETERS	METHODS	UNITS	RESULTS	NAAQS*
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	18.4	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006	µg/m ³	36.8	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001	µg/m ³	6.2	80
4	OXIDES OF NITROGEN (NO _x)	IS 5182 Part 6 - 2006	µg/m ³	10.5	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	18.2	180
6	LEAD (Pb)	IS 5182 PART 22 - 2004	µg/m ³	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	4
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	12.9	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006	µg/m ³	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004	ng/m ³	BDL(DL:0.5)	1

*National Ambient Air Quality Standards - CPCB

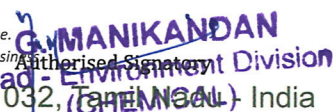
BDL - Below Detection Limit(D.L - Detection Limit)

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G. MANIKANDAN
Head - Environment Division
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Page 1 of 1

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/2392/2024-25 & 29.08.2024
Sample Number 2392/24-25
Name of the Customer M/s. HINDUSTAN OIL EXPLORATION COMPANY LIMITED(GAS PLANT),
Address Pillaiperumalnallur,Near PPN Power Plant,
 Thirukadaiyur,Nagapattinam Dist - 609 311.

Sample Drawn by Laboratory
Sample Name Noise
Sample Description AMBIENT NOISE
Sample Drawn on 23.08.2024
Sampling Plan & Procedure CTL/QSP/F-89 & IS 9989
Equipment used for Sampling Sound Level Meter: S.No:554062

Test Results:

The above sample tested as received, and results are as follows:


SL.NO	LOCATION	NOISE LEVEL dB (A)			LIMITS*
		Min	Max	Leq	Leq
1	NEAR ADMIN BUILDING	43.9	47.5	45.9	55 dB (A)
2	NEAR FIRE STATION	44.1	48.3	46.6	
3	NEAR STP AREA	50.6	53.0	51.8	
4	NEAR SLUG CATCHER AREA	43.6	48.7	46.8	

* CPCB Limits (Day Time)

END OF REPORT

For Chennai Testing Laboratory Pvt Ltd


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Authorised Signatory
G. MANIKANDAN
 Head - Environment Division
 (CHEMICAL)

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/2393/2024-25 & 29.08.2024
Sample Number	2393/24-25
Name of the Customer	M/s. HINDUSTAN OIL EXPLORATION COMPANY LIMITED(GAS PLANT),
Address	Pillaiyerumalnallur, Near PPN Power Plant, Thirukadaiyur, Nagapattinam Dist - 609 311.
Sample Drawn by	Laboratory
Sample Name	Sewage Water
Sample Description	Treated Sewage Water
Sampling Location	STP Plant
Sample Drawn on	23.08.2024
Sampling Plan & Procedure	Grab Sample & CTL/QSP/09
Sample Quantity	2 Litres
Sample Condition	Good & Received in Plastic container
Environmental Conditions	Temperature- 33.5°C and Humidity- 58.2%
Equipment used for Sampling	NA
Sample Received on	24.08.2024
Analysis Started on	24.08.2024
Analysis Completed on	29.08.2024

Test Results:

The above sample tested as received, and results are as follows:

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
1	pH @ 25°C	IS 3025 (Part 11)-1983 (RA.2017)	-	7.4	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS 3025 (Part 17) -1984 (RA.2021)	mg/l	6	Max.30
3	Biochemical Oxygen Demand (BOD) 3 days @ 27°C	IS 3025 (Part 44) -1993 (RA.2019)	mg/l	5	Max.20

Max. - Maximum

*Limits as per TNPCB for Treated Sewage

END OF REPORT

For Chennai Testing Laboratory Pvt Ltd

Verified by 

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A. RAJKUMAR
Head - Water & Soil Division
(CHEMICAL)

Page 1 of 1

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