



NAKSHATRA ENVIRO SERVICES

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NABL Accredited (Certificate No. T-2320) & ISO 9001:2015 Certified

Ref. No.- NES/2016/12/ 13

Date: 09-12-2016

AMBIENT AIR QUALITY MONITORING REPORT

Issued To : Hindustan Petroleum Corporation Limited,
Raman Mandi Bahadurgarh Pipe Line SV-4,
Near Village- Badhawar, Tehsil- Barwala
District- Hisar (Haryana)

Type of Unit : Petroleum Pipeline

Location : Near D. G. Room

Date of Sampling : 26-11-2016

Duration of Sampling (Hours) : 24 hrs

Ambient Temperature : Max. 29.7°C & Min. 12.0 °C

Avg. Relative Humidity : 48%

Weather Conditions : Clear

Date of Testing : 28-11-2016 to 09-12-2016


Results:

S. No.	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1.	Particulate Matter (PM ₁₀), µg/m ³	75.6	IS 5182 (Part 23) :2006	100.0
2.	Particulate Matter (PM _{2.5}), µg/m ³	47.3	CPCB Guideline	60.0
3.	Sulphur Dioxide (SO ₂), µg/m ³	10.4	IS 5182 (Part 2) :2001	80.0
4.	Nitrogen Dioxide (NO ₂), µg/m ³	23.2	IS 5182 (Part 6) :2006	80.0
5.	Ammonia (NH ₃), µg/m ³	5.8	CPCB Guideline	400.0
6.	Ozone (O ₃), µg/m ³	7.6	CPCB Guideline	100.0
7.	Carbon Monoxide (CO), µg/m ³	440	IS 5182 (Part 10) : 1999	2000
8.	Lead (Pb), µg/m ³	0.14	IS 5182 (Part 22) : 2004	1.0
9.	Arsenic (As), ng/m ³	BDL	CPCB Guideline	6.0
10.	Nickel (Ni), ng/m ³	BDL	CPCB Guideline	20.0
11.	Benzene (C ₆ H ₆), µg/m ³	0.46	IS 5182 (Part 11) : 2006	5.0
12.	Benzo-alfa-Pyrene (BaP), ng/m ³	BDL	CPCB Guideline	1.0


Remarks: B.D.L./N.T. – Below Detection Limit/Not traceable

Note:

1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without special permission in writing.
2. Total liability of this laboratory is limited to the invoice amount.
3. The results listed refer only to the above sample and applicable parameters Endorsement of products is neither inferred nor implied.
4. Samples will be destroyed after fifteen days from the date of issuing of analysis report unless otherwise specified.


(Rajeev Mathur)
Technical Manager




(Jag Mohan Sharma)
Quality Manager

End of Report



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Date: 09-12-2016

BENZENE & PAHs MONITORING REPORT

Issued To : Hindustan Petroleum Corporation Limited,
Raman Mandi Bahadurgarh Pipe Line SV-4,
Near Village- Badhawar, Tehsil- Barwala
District- Hisar (Hariyana)

Type of Unit : Petroleum Pipeline

Location : Near D. G. Room

Date of Sampling : 26-11-2016

Ambient Temperature : Max. 29.7 °C & Min. 12.0 °C

Avg. Relative Humidity : 40%

Weather Conditions : Clear

Date of Testing : 28-11-2016 to 09-12-2016

Results:

S. No.	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1.	Benzene (C ₆ H ₆), µg/m ³	0.46	IS 5182 (Part 11) : 2006	5.0
2.	Poly Aromatic Hydrocarbons (PAHs), ng/m ³	BDL	IS 5182 (Part 12) : 2004	-

Remarks: B.D.L./N.T. – Below Detection Limit/Not traceable

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