



Analyzing for an Assured
Future

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Lalitpur Power Generation
Company Limited

Address: Village- Mirchwara and Burogaon,
Tehsil- Mahroni, Lalitpur-284123 (U.P) India

Report Code : AAQ-280325-01
ULR No. : TC681425000002152F
Test Report of : Ambient Air Quality
Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/03/25-02
Service Request Date : 24/03/2025
Report Issue Date : 02/04/2025

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Akash / Umashankar Sharma (NTL)
Sample Drawn On : 25/03/2025 to 26/03/2025
Date of Sample Received : 28/03/2025
Sample Description : Ambient Air
Sampling Location : Near-Admin Block
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/03/2025 to 02/04/2025
Average Flow Rate of SPM (m³/min.) : 1.10
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate
Sampler (PM_{2.5}) With Gaseous Attachment

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	28.80	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	15.40	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	6.65	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.20	µg /m ³	80
5.	Carbon monoxide (as CO)	NIOSH 6604	1.16	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<20	ng /m ³	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	12.0	µg /m ³	180.0
10.	Ammonia (as NH ₃)	NIOSH 6015	< 20.0	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.0	µg /m ³	5.0
12.	Benzo(α) Pyrine- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m ³	1.0
13.	Mercury Content (as Hg)	APHA-AIR (ICP-MS)	BDL	µg /m ³	No limit Specified

BDL- Below detection limit

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, Gautam Budh Nagar - 201 301 (U.P.)

Branch Office :

HARIDWAR | DEHRADUN | PUNE

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Company Limited

Address: Village- Mirchwara and Burogaon,
Tehsil- Mahroni, Lalitpur-284123 (U.P) India

Report Code : AAQ-280325-02
ULR No. : TC681425000002153F
Test Report of : Ambient Air Quality
Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/03/25-02
Service Request Date : 24/03/2025
Report Issue Date : 02/04/2025

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Akash / Umashankar Sharma (NTL)
Sample Drawn On : 25/03/2025 to 26/03/2025
Date of Sample Received : 28/03/2025
Sample Description : Ambient Air
Sampling Location : Near-Gate No-2
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/03/2025 to 02/04/2025
Average Flow Rate of SPM (m³/min.) : 1.10
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate
Sampler (PM_{2.5}) With Gaseous Attachment

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	46.0	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	21.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.35	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	16.20	µg /m ³	80
5.	Carbon monoxide (as CO)	NIOSH 6604	1.18	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<20	ng /m ³	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	14.0	µg /m ³	180.0
10.	Ammonia (as NH ₃)	NIOSH 6015	< 20.0	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.0	µg /m ³	5.0
12.	Benzo(α) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m ³	1.0
13.	Mercury Content (as Hg)	APHA-AIR (ICP-MS)	BDL	µg /m ³	No limit Specified

BDL- Below detection limit

Notes:

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Address: Village- Mirchwara and Burogaon,
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Report Code : AAQ-280325-03
ULR No. : TC681425000002154F
Test Report of : Ambient Air Quality
Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/03/25-02
Service Request Date : 24/03/2025
Report Issue Date : 02/04/2025

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Akash / Umashankar Sharma (NTL)
Sample Drawn On : 25/03/2025 to 26/03/2025
Date of Sample Received : 28/03/2025
Sample Description : Ambient Air
Sampling Location : Near-Guest House
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/03/2025 to 02/04/2025
Average Flow Rate of SPM (m³/min.) : 1.10
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate
Sampler (PM_{2.5}) With Gaseous Attachment

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	36.50	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	18.80	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	6.23	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.60	µg /m ³	80
5.	Carbon monoxide (as CO)	NIOSH 6604	< 1.15	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<20	ng /m ³	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	12.8	µg /m ³	180.0
10.	Ammonia (as NH ₃)	NIOSH 6015	< 20.0	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.0	µg /m ³	5.0
12.	Benzo(α) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m ³	1.0
13.	Mercury Content (as Hg)	APHA-AIR (ICP-MS)	BDL	µg /m ³	No limit Specified

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Issued To: M/s Lalitpur Power Generation
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Address: Village- Mirchwara and Burogaon,
Tehsil- Mahroni, Lalitpur-284123 (U.P) India

Report Code : AAQ-280325-04
ULR No. : TC681425000002155F
Test Report of : Ambient Air Quality
Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/03/25-02
Service Request Date : 24/03/2025
Report Issue Date : 02/04/2025

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Akash / Umashankar Sharma (NTL)
Sample Drawn On : 26/03/2025 to 27/03/2025
Date of Sample Received : 28/03/2025
Sample Description : Ambient Air
Sampling Location : Near-Vishnu Temple
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/03/2025 to 02/04/2025
Average Flow Rate of SPM (m³/min.) : 1.10
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate
Sampler (PM_{2.5}) With Gaseous Attachment

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	26.10	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	14.08	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	5.36	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.20	µg /m ³	80
5.	Carbon monoxide (as CO)	NIOSH 6604	< 1.15	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<20	ng /m ³	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	12.5	µg /m ³	180.0
10.	Ammonia (as NH ₃)	NIOSH 6015	< 20.0	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.0	µg /m ³	5.0
12.	Benzo(α) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m ³	1.0
13.	Mercury Content (as Hg)	APHA-AIR (ICP-MS)	BDL	µg /m ³	No limit Specified

BDL- Below detection limit

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TEST CERTIFICATE

Issued To: **M/s Lalitpur Power Generation
Company Limited**

Address: **Village- Mirchwara and Burogaon,
Tehsil- Mahroni, Lalitpur-284123 (U.P) India**

Report Code : **AAQ-280325-05**
ULR No. : **TC681425000002156F**
Test Report of : **Ambient Air Quality**
Discipline : **Atmospheric Pollution**
Service Request No : **NTL/SRF/03/25-02**
Service Request Date : **24/03/2025**
Report Issue Date : **02/04/2025**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Akash / Umashankar Sharma (NTL),
Sample Drawn On : 26/03/2025 to 27/03/2025
Date of Sample Received : 28/03/2025
Sample Description : Ambient Air
Sampling Location : Near-Chglaua Village
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/03/2025 to 02/04/2025
Average Flow Rate of SPM (m³/min.) : 1.09
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate
Sampler (PM_{2.5}) With Gaseous Attachment

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	24.60	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	14.09	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	5.37	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.23	µg /m ³	80
5.	Carbon monoxide (as CO)	NIOSH 6604	< 1.15	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<20	ng /m ³	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	<10.0	µg /m ³	180.0
10.	Ammonia (as NH ₃)	NIOSH 6015	< 20.0	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.0	µg /m ³	5.0
12.	Benzo(a) Pyrine- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m ³	1.0
13.	Mercury Content (as Hg)	APHA-AIR (ICP-MS)	BDL	µg /m ³	No limit Specified

BDL- Below detection limit

Notes:

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Company Limited

Address: Village- Mirchwara and Burogaon,
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Report Code : AAQ-280325-06
ULR No. : TC681425000002157F
Test Report of : Ambient Air Quality
Discipline : Atmospheric Pollution
Service Request No : NTL/SRF/03/25-02
Service Request Date : 24/03/2025
Report Issue Date : 02/04/2025

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Akash / Umashankar Sharma (NTL)
Sample Drawn On : 26/03/2025 to 27/03/2025
Date of Sample Received : 28/03/2025
Sample Description : Ambient Air
Sampling Location : Near-Udayapura Village
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/03/2025 to 02/04/2025
Average Flow Rate of SPM (m³/min.) : 1.09
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate
Sampler (PM_{2.5}) With Gaseous Attachment

TEST RESULT

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	28.65	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	NAAQMS/36 Vol-1, CPCB	12.42	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	6.10	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.60	µg /m ³	80
5.	Carbon-monoxide (as CO)	NIOSH 6604	<1.15	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<20	ng /m ³	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	15.0	µg /m ³	180.0
10.	Ammonia (as NH ₃)	NIOSH 6015	< 20.0	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.0	µg /m ³	5.0
12.	Benzo(α) Pyrine- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m ³	1.0
13.	Mercury Content (as Hg)	APHA-AIR (ICP-MS)	BDL	µg /m ³	No limit Specified

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