



Analyzing for an Assured
Future

NOIDA TESTING LABORATORIES

(An ISO : 9001 : 2015, ISO 14001:2015 & ISO 45001:2018 & NABL Accredited Laboratory)

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

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

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-281220-01	02/01/2021

Issued To: MS Lalitpur Power Generation Company Limited
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)
India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Sonu Sharma/Amit Sharma (NTL)
Date of Sample Received : 28/12/2020
Date of Monitoring : 25/12/2020 to 26/12/2020
Sample Description : Ambient Air
Sampling Location : Near-Admin Block
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/12/2020 TO 02/01/2021
Ambient Temperature (°C) : 18
Average Flow Rate of SPM (m³/min.) : 1.12
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	49.8	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume – 1 / Gravimetric	34.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	11.8	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	8.09	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	0.72	mg/m ³	4.0
6.	Lead(as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	21.3	µg /m ³	180.0
10.	Ammonia (as NH ₃)	APHA-AIR402	< 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

Notes:

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

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AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, Noida, Gautam Budh Nagar - 201301

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-281220-05	02/01/2021

Issued To: **MS Lalitpur Power Generation Company Limited**
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)
India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Sonu Sharma /Amit Sharma (NTL)
Date of Sample Received : 28/12/2020
Date of Monitoring : 26/12/2020 to 27/12/2020
Sample Description : Ambient Air
Sampling Location : Near-Chglaua Village
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/12/2020 TO 02/01/2021
Ambient Temperature (°C) : 16
Average Flow Rate of SPM (m³/min.) : 1.16
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	44.0	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1 / Gravimetric	28.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.69	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	5.48	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	0.48	mg/m ³	4.0
6.	Lead(as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	21.3	µg /m ³	180.0
10.	Ammonia (as NH ₃)	APHA-AIR402	< 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

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-281220-06	02/01/2021

Issued To: MS Lalitpur Power Generation Company Limited
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)
India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr.Sonu Sharma /Amit Sharma (NTL)
Date of Sample Received : 28/12/2020
Date of Monitoring : 26/12/2020 to 27/12/2020
Sample Description : Ambient Air
Sampling Location : Near-Udaypura Village
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/12/2020 TO 02/01/2021
Ambient Temperature (°C) : 18
Average Flow Rate of SPM (m³/min.) : 1.13
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	49.0	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume – 1 / Gravimetric	28.6	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	6.87	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	6.02	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	0.41	mg/m ³	4.0
6.	Lead(as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	21.2	µg /m ³	180.0
10.	Ammonia (as NH ₃)	APHA-AIR402	< 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

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-281220-04	02/01/2021

Issued To: **MS Lalitpur Power Generation Company Limited**
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)
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SAMPLING & ANALYSIS DATA

Sample Drawn By : Mr. Sonu Sharma/Amit Sharma (NTL)
Date of Sample Received : 28/12/2020
Date of Monitoring : 26/12/2020 to 27/12/2020
Sample Description : Ambient Air
Sampling Location : Near-Vishnu Temple
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 28/12/2020 TO 02/01/2021
Ambient Temperature (°C) : 16
Average Flow Rate of SPM (m³/min.) : 1.18
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	42.0	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume – 1 / Gravimetric	26.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.36	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	5.68	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	0.39	mg/m ³	4.0
6.	Lead(as Pb)	IS:5182 Part-XXII	<0.1	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.0	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	20.9	µg /m ³	180.0
10.	Ammonia (as NH ₃)	APHA-AIR402	< 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

Notes:

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