



NOIDA TESTING LABORATORIES

(A Government Approved Testing Laboratory)

(An ISO : 9001 : 2015, 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

Analyzing for an Assured Future

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-130321-06	25/03/2021

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. Amit Sharma /Umashankar Sharma (NTL)
Date of Sample Received : 13/03/2021
Sample Drawn On : 10/03/2021 to 11/03/2021
Sample Description : Ambient Air
Sampling Location : Near-Udayapura Village
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 13/03/2021 To 25/03/2021
Ambient Temperature (°C) : 30
Average Flow Rate of SPM (m³/min.) : 1.11
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	22.0	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1 / Gravimetric	12.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	<5.0	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	8.96	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	208	µg /m ³	4000
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	29.9	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

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.
- This test report will not be used for any publicity/legal purpose.
- 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, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttrakhand

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-130321-01	25/03/2021

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. Amit Sharma / Umashankar Sharma (NTL)
Date of Sample Received : 13/03/2021
Sample Drawn On : 10/03/2020 to 11/03/2021
Sample Description : Ambient Air
Sampling Location : Near-Admin Block
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 13/03/2021 TO 25/03/2021
Ambient Temperature (°C) : 29.0
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	29.6	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - I / Gravimetric	17.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.15	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.21	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	1069	µg /m ³	4000
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	36.02	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

BDL- Below detection limit

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-130321-02	25/03/2021

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. Amit Sharma /Mohit Sharma (NTL)
Date of Sample Received : 13/03/2021
Sample Drawn On : 10/03/2021 to 11/03/2021
Sample Description : Ambient Air
Sampling Location : Near-Gate No-2
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 13/03/2021 To 25/03/2021
Ambient Temperature (°C) : 29.0
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})	CPCB Volume - 1 / Gravimetric	26.0	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	9.07	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	14.28	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	1502	µg /m ³	4000
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	36.51	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

BDL- Below detection limit.

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