



Analysing for an Assured Future

NOIDA TESTING LABORATORIES

(A Government Approved Testing Laboratory)

An ISO 9001:2015 & 45001:2018 (OHSAS) Certified Laboratory

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

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

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-140322-031	21/03/2022

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

SAMPLING & ANALYSIS DATA

Sample Drawn on : 09/03/2022
 Sample Drawn By : Mr. Deepak Sharma (NITL)
 Sample Description : Stack Emission
 Sampling Time : 30 (2:10 PM to 2:40 PM)
 Sampling Plan & Procedure : SOP/SE/09
 Analysis Duration : 14/03/2022 to 21/03/2022
 Stack Temperature (°C) : 142
 Source of Emission : Stack Attached to Boilers No. - 01
 Attached APCS : ESP
 Type of Fuel used : Coal
 Quantity of Flue Used : 228 ton/Hrs
 Load During Monitoring : 52.80 %
 Type of Stack : RCC
 Diameter of Stack(meter) (at port Hole) : 7.5
 Height of Stack above ground level(meter) : 275
 Average Velocity of Flue Emission (m/s) : 20.19
 Quantity Of Emission Discharge (Nm³/hr) : 2480676.50

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB Emission Standard for Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1)	31.4	mg/Nm ³	50
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	978	mg/Nm ³	200
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	186	mg/Nm ³	300
4.	Carbon dioxide (as CO)	IS:13270	0.0032	% by Volume	1% Volume
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm ³	0.2

*BDL – Below Detection Limit

Remark-The Standard limit shall be applicable w.e.f Dec 2017 onwards as per Govt. Notification Dated 07/12/2015

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



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

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-140322-032	21/03/2022

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

SAMPLING & ANALYSIS DATA

Sample Drawn on : 09/03/2022
 Sample Drawn By : Mr. Deepak Sharma (NTL)
 Sample Description : Stack Emission
 Sampling Time : 30 (2:50 PM to 3:20 PM)
 Sampling Plan & Procedure : SOP/SE/09
 Analysis Duration : 14/03/2022 to 21/03/2022
 Stack Temperature (°C) : 145
 Source of Emission : Stack Attached to Boilers No. - 02
 Attached APCS : ESP
 Type of Fuel used : Coal
 Quantity of Flue Used : 277 ton/Hrs
 Load During Monitoring : 52.40 %
 Type of Stack : RCC
 Diameter of Stack(meter) (at port Hole) : 7.5
 Height of Stack above ground level(meter) : 275
 Average Velocity of Flue Emission (m/s) : 21.17
 Quantity Of Emission Discharge (Nm³/hr) : 2515092.40

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB Emission Standard for Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1)	36.80	mg/Nm ³	50
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	936	mg/Nm ³	200
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	182	mg/Nm ³	300
4.	Carbon dioxide (as CO)	IS:13270	0.0046	% by Volume	1% Volume
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm ³	0.2

*BDL – Below Detection Limit

Remark:-The Standard limit shall be applicable w.e.f.Dec 2017 onwards as per Govt. Notification Dated 07/12/2015

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 AUTHORIZED SIGNATORY

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Striving for an Assured Future

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-140322-033	21/03/2022

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

SAMPLING & ANALYSIS DATA

Sample Drawn on : 09/03/2022
 Sample Drawn By : Mr. Deepak Sharma (NTL)
 Sample Description : Stack Emission
 Sampling Time : 30 (3:30 PM to 4:00 PM)
 Sampling Plan & Procedure : SOP/SE/09
 Analysis Duration : 14/03/2022 to 21/03/2022
 Stack Temperature (°C) : 141
 Source of Emission : Stack Attached to Boilers No. - 03
 Attached APCC : ESP
 Type of Fuel used : Coal
 Quantity of Flue Used : 374 ton/Hrs
 Load During Monitoring : 56.30 %
 Type of Stack : RCC
 Diameter of Stack(meter) (at port Hole) : 7.5
 Height of Stack above ground level(meter) : 275
 Average Velocity of Flue Emission (m/s) : 20.21
 Quantity Of Emission Discharge (Nm³/hr) : 2442076.20

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB Emission Standard for Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1)	34.50	mg/Nm ³	50
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	962	mg/Nm ³	200
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	170	mg/Nm ³	300
4.	Carbon dioxide (as CO)	IS:13270	0.0039	% by Volume	1% Volume
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm ³	0.2

*BDL - Below Detection Limit

Remark-The Standard limit shall be applicable w.e.f Dec 2017 onwards as per Govt. Notification Dated 07/12/2015

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