



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
Boiler Stack Emission	ST-281220-03	02/01/2021

**ISSUED TO:** M/S Lalitpur Power Generation Company Limited  
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)  
India

### SAMPLING & ANALYSIS DATA

Sample Drawn on : 26/12/2020  
 Sample Drawn By : Mr. Amit Sharma / Sonu Sharma (NTL)  
 Sample Description : Stack Emission  
 Sampling Time : 30 (12:40 PM to 01:10PM)  
 Sampling Plan & Procedure : SOP/SE/09  
 Analysis Duration : 26/12/2020 TO 02/01/2021  
 Ambient Temperature (°C) : 27.5  
 Stack Temperature (°C) : 129.9  
 Source of Emission : Stack Attached to Boilers No-2  
 Attached APCS : ESP  
 Type of Fuel used : Coal  
 Quantity of Flue Used : 203 ton/Hrs  
 Load During Monitoring : 54.54%  
 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) : 21.75  
 Quantity Of Emission Discharge (Nm<sup>3</sup>/hr) : 2628727.67

### TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB Emission Standard for Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1)	38.42	mg/Nm <sup>3</sup>	50
2.	Sulphur dioxide (as SO <sub>2</sub> )	IS:11255(Part-2)	954	mg/Nm <sup>3</sup>	200
3.	Nitrogen dioxide (as NO <sub>2</sub> )	IS:11255(Part-7)	196	mg/Nm <sup>3</sup>	300
4.	Carbon dioxide (as CO)	IS:13270	0.0010	% by Volume	1.0
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm <sup>3</sup>	0.03

**Remark-**The Standard limit is applicable from Dec 2017 onwards as per Govt. Notification Dated 07/12/2015

### 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
Boiler Stack Emission	ST-281220-02	02/01/2021

**ISSUED TO:** M/S Lalitpur Power Generation Company Limited  
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)  
India

### SAMPLING & ANALYSIS DATA

Sample Drawn on : 26/12/2020  
 Sample Drawn By : Mr. Amit Sharma / Sonu Sharma (NTL)  
 Sample Description : Stack Emission  
 Sampling Time : 30 (12:07 PM to 12:37PM)  
 Sampling Plan & Procedure : SOP/SE/09  
 Analysis Duration : 26/12/2020 TO 02/01/2021  
 Ambient Temperature(°C) : 25.9  
 Stack Temperature (°C) : 135.6  
 Source of Emission : Stack Attached to Boilers No-2  
 Attached APCS : ESP  
 Type of Fuel used : Coal  
 Quantity of Flue Used : 217 ton/Hrs  
 Load During Monitoring : 67.05%  
 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) : 21.82  
 Quantity Of Emission Discharge (Nm<sup>3</sup>/hr) : 2600398.98

### TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB Emission Standard for Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1 )	40.2	mg/Nm <sup>3</sup>	50
2.	Sulphur dioxide (as SO <sub>2</sub> )	IS:11255(Part-2 )	962	mg/Nm <sup>3</sup>	200
3.	Nitrogen dioxide (as NO <sub>2</sub> )	IS:11255(Part-7 )	227	mg/Nm <sup>3</sup>	300
4.	Carbon dioxide (as CO)	IS:13270	0.0008	% by Volume	1.0
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm <sup>3</sup>	0.03

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-281220-01	02/01/2021

**ISSUED TO:** M/S Lalitpur Power Generation Company Limited  
Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P)  
India

### SAMPLING & ANALYSIS DATA

Sample Drawn on : 26/12/2020  
 Sample Drawn By : Mr. Amit Sharma / Sonu Sharma (NTL)  
 Sample Description : Stack Emission  
 Sampling Time : 30 (11:35 AM to 12:05PM)  
 Sampling Plan & Procedure : SOP/SE/09  
 Analysis Duration : 26/12/2020 TO 02/01/2021  
 Ambient Temperature(°C) : 25.3  
 Stack Temperature (°C) : 128.9  
 Source of Emission : Stack Attached to Boilers No-1  
 Attached APCS : ESP  
 Type of Fuel used : Coal  
 Quantity of Flue Used : 302.4 ton/Hrs  
 Load During Monitoring : 83.56%  
 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) : 21.92  
 Quantity Of Emission Discharge (Nm<sup>3</sup>/hr) : 2655865.92

### TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB Emission Standard for Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1 )	42.0	mg/Nm <sup>3</sup>	50
2.	Sulphur dioxide (as SO <sub>2</sub> )	IS:11255(Part-2 )	982	mg/Nm <sup>3</sup>	200
3.	Nitrogen dioxide (as NO <sub>2</sub> )	IS:11255(Part-7 )	217	mg/Nm <sup>3</sup>	300
4.	Carbon dioxide (as CO)	IS:13270	0.0007	% by Volume	1.0
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm <sup>3</sup>	0.03

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