



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 : MS-280325-018
ULR No. : TC68142500002169F
Test Report of : Bottom Ash
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 On : 26/03/2025
Sample Received On : 27/03/2025
Sample Description : Bottom Ash
Sampling Location : Ash dyke
Sample Drawn by : Mr. Umashankar Sharma (NTL Representative)
Analysis Duration : 28/03/2025 to 02/04/2025

Bottom Ash			
S.No	Parameters	Result	Unit
	Moisture Content	14.02	% By Mass
ON OVEN DRY BASIS			
1.	Loss on Ignition	0.29	% By mass
2.	Total Silica Content (SiO ₂)	76.50	% By Mass
3.	Iron Oxide (as Fe ₂ O ₃)	6.12	% By Mass
4.	Aluminum Oxide (as Al ₂ O ₃)	15.50	% By Mass
5.	Calcium Oxide (CaO)	7.04	% By Mass
6.	Magnesium Oxide (MgO)	1.36	% By Mass
7.	Sodium Oxide (as Na ₂ O ₃)	0.42	% By Mass
8.	Potassium dioxide (as K ₂ O)	1.78	% By Mass
9.	Phosphate (as P ₂ O ₅)	1.89	% by mass
10.	Lead (as Pb)	4.95	mg/Kg
11.	Total Chromium (as Cr)	BDL	mg/Kg
12.	Mercury (as Hg)	BDL	mg/Kg
13.	Arsenic (as As)	BDL	mg/Kg

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

E-mail : noida.laboratory@gmail.com | Website : www.noidalabs.com



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Company Limited

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

Report Code : MS-280325-019
ULR No. : TC681425000002170F
Test Report of : Fly Ash
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 On : 26/03/2025
Sample Received On : 27/03/2025
Sample Description : Fly Ash
Sampling Location : ASH SILO
Sample Drawn by : Mr. Umashankar Sharma (NTL Representative)
Analysis Duration : 28/03/2025 to 02/04/2025

Fly Ash			
S.No	Parameters	Result	Unit
	Moisture Content	1.98	% By Mass
ON OVEN DRY BASIS			
1.	Loss on Ignition	0.92	% By mass
2.	Total Silica Content (SiO ₂)	46.50	% By Mass
3.	Iron Oxide (as Fe ₂ O ₃)	7.27	% By Mass
4.	Aluminum Oxide (as Al ₂ O ₃)	14.80	% By Mass
5.	Calcium Oxide (CaO)	7.66	% By Mass
6.	Magnesium Oxide (MgO)	1.45	% By Mass
7.	Sodium Oxide (as Na ₂ O ₃)	0.36	% By Mass
8.	Potassium dioxide (as K ₂ O)	1.28	% By Mass
9.	Phosphate (as P ₂ O ₅)	0.34	% by mass
10.	Lead (as Pb)	8.40	mg/Kg
11.	Total Chromium (as Cr)	BDL	mg/Kg
12.	Mercury (as Hg)	BDL	mg/Kg
13.	Arsenic (as As)	BDL	mg/Kg

Notes:

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