



Analyzing for an Assured  
Future

# 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

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Bottom Ash	MS-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 Received On : 13/03/2021  
Sampling Drawn On : 12/03/2021  
Sampling by : Mr. Amit Sharma (NTL)  
Sampling Location : ASH SILO  
Sample Description : Bottom Ash  
Analysis Duration : 13/03/2021 To 25/03/2021

Bottom Ash			
S.No	Parameters	Result	Unit
	Moisture Content	15.93	% By Mass
ON OVEN DRY BASIS			
1.	Loss on Ignition	0.59	% By mass
2.	Total Silica Content (SiO <sub>2</sub> )	64.10	% By Mass
3.	Iron Oxide (as Fe <sub>2</sub> O <sub>3</sub> )	7.03	% By Mass
4.	Aluminum Oxide (as Al <sub>2</sub> O <sub>3</sub> )	14.15	% By Mass
5.	Calcium Oxide (CaO)	8.97	% By Mass
6.	Magnesium Oxide (MgO)	1.32	% By Mass
7.	Sodium Oxide (as Na <sub>2</sub> O <sub>3</sub> )	0.52	% By Mass
8.	Potassium dioxide (as K <sub>2</sub> O)	1.73	% By Mass
9.	Phosphate (as P <sub>2</sub> O <sub>5</sub> )	1.42	% by mass
10.	Lead (as Pb)	9.98	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.
- 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



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