



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 : **SQ-280325-023**
ULR No. : **TC681425000002174F**
Test Report of : **Soil Quality**
Discipline : **Pollution & Environment**
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 : Soil Sample
Sampling Location : **Coal Yard (Towards Store)**
Sample Drawn By : **Mr. Vikas (NTL Representative)**
Analysis Duration : 28/03/2025 to 02/04/2025

S.No.	PARAMETERS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS:2720(Part-26)	7.60	-
2.	Electrical Conductivity at 25 ^o C (1:5suspension.)	IS:2720(Part-21)	458	µS/cm
3.	Available Calcium (as Ca)	STP/SOIL	2297	mg/kg
4.	Available Magnesium (as Mg)	STP/SOIL	260	mg/kg
5.	Available Sodium (as Na)	STP/SOIL	244	mg/kg
6.	Available Potassium (as K)	STP/SOIL	332	mg/kg
7.	Water holding Capacity	STP/SOIL	32.6	% by mass
8.	Chloride (as Cl)	STP/SOIL	298	mg/kg
9.	Sulphate (as SO ₄)	STP/SOIL	256	mg/kg
10.	Nitrate (as NO ₃)	STP/SOIL	18.49	mg/kg
11.	Alkalinity (as CaCO ₃)	STP/SOIL	572.0	mg/kg
12.	Available Iron Content (as Fe)	STP/SOIL	85.50	mg/kg
13.	Phosphorus (as P ₂ O ₅)	STP/SOIL	192.0	mg/kg
14.	Bulk Density	STP/SOIL	1.186	gm /cc
15.	Moisture Content	STP/SOIL	23.05	% by mass
16.	Organic Matter	STP/SOIL	1.34	% by mass
17.	Lead (as Pb)	US EPA-846	1.26	mg/ kg
18.	Copper (as Cu)	US EPA-846	35.8	mg/ kg
19.	Cadmium (as Cd)	US EPA-846	BDL (<0.05)	mg/ kg
20.	Chromium (as Cr)	US EPA-846	BDL (<0.1)	mg/ kg
21.	Arsenic (as As)	US EPA-846	BDL (<0.05)	mg/ kg
22.	Mercury (Hg)	US EPA-846	BDL (<0.05)	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



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 : SQ-280325-024
ULR No. : TC68142500002175F
Test Report of : Soil Quality
Discipline : Pollution & Environment
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 : Soil Sample
Sampling Location : Ash Pond Area (Power Plant Side)
Sample Drawn By : Mr. Vikas (NTL Representative)
Analysis Duration : 28/03/2025 to 02/04/2025

S.No.	PARAMETERS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS:2720(Part-26)	8.02	-
2.	Electrical Conductivity at 25 ^o C (1:5suspension.)	IS:2720(Part-21)	546	µS/cm
3.	Available Calcium (as Ca)	STP/SOIL	2580	mg/kg
4.	Available Magnesium (as Mg)	STP/SOIL	265	mg/kg
5.	Available Sodium (as Na)	STP/SOIL	232	mg/kg
6.	Available Potassium (as K)	STP/SOIL	278	mg/kg
7.	Water holding Capacity	STP/SOIL	35.0	% by mass
8.	Chloride (as Cl)	STP/SOIL	298	mg/kg
9.	Sulphate (as SO ₄)	STP/SOIL	360	mg/kg
10.	Nitrate (as NO ₃)	STP/SOIL	18.80	mg/kg
11.	Alkalinity (as CaCO ₃)	STP/SOIL	476.0	mg/kg
12.	Available Iron Content (as Fe)	STP/SOIL	82.40	mg/kg
13.	Phosphorus (as P ₂ O ₅)	STP/SOIL	136.0	mg/kg
14.	Bulk Density	STP/SOIL	1.172	gm /cc
15.	Moisture Content	STP/SOIL	18.80	% by mass
16.	Organic Matter	STP/SOIL	1.36	% by mass
17.	Lead (as Pb)	US EPA-846	1.25	mg/ kg
18.	Copper (as Cu)	US EPA-846	32.8	mg/ kg
19.	Cadmium (as Cd)	US EPA-846	BDL (<0.05)	mg/ kg
20.	Chromium (as Cr)	US EPA-846	BDL (<0.1)	mg/ kg
21.	Arsenic (as As)	US EPA-846	BDL (<0.05)	mg/ kg
22.	Mercury (Hg)	US EPA-846	BDL (<0.05)	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