



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
Soil Sample	SS-281220-01	02/01/2021

Issued To: M/S Lalitpur Power Generation Company Limited
Village-Mirchwara & Buragaon Tehsil-Mehroni Distt- Lalitpur (U.P)

Sampling & Analysis Data

Sample Received On : 28/12/2020
Sample Drawn On : 27/12/2020
Sample Description : Soil Sample
Sampling Location : Coal Yard (Towards Store)
Sample Drawn By : Mr. Sonu Sharma (NTL)
Analysis Duration : 28/12/2020 To 02/01/2021

S.No.	PARAMETERTS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS:2720(Part-26)	7.13	-
2.	Electrical Conductivity at 25 ^o C (1:5suspension.)	IS:2720(Part-21)	562	µS/cm
3.	Available Calcium (as Ca)	STP/SOIL	1984	mg/kg
4.	Available Magnesium (as Mg)	STP/SOIL	248	mg/kg
5.	Available Sodium (as Na)	STP/SOIL	214	mg/kg
6.	Available Potassium (as K)	STP/SOIL	169	mg/kg
7.	Water holding Capacity	STP/SOIL	34.2	% by mass
8.	Chloride (as Cl)	STP/SOIL	252	mg/kg
9.	Sulphate (as SO ₄)	STP/SOIL	201	mg/kg
10.	Nitrate (as NO ₃)	STP/SOIL	16.52	mg/kg
11.	Alkalinity (as CaCO ₃)	STP/SOIL	462	mg/kg
12.	Available Iron Content (as Fe)	STP/SOIL	66.3	mg/kg
13.	Phosphorus (as P ₂ O ₅)	STP/SOIL	89.2	mg/kg
14.	Bulk Density	STP/SOIL	1.138	gm /cc
15.	Moisture Content	STP/SOIL	18.32	% by mass
16.	Organic Matter	STP/SOIL	1.29	% by mass

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



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

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Test Report of	Report Code	Date of Issue
Soil Sample	SS-281220-02	02/01/2021

Issued To: M/S Lalitpur Power Generation Company Limited
Village-Mirchwara & Buragaon Tehsil-Mehroni Distt- Lalitpur (U.P)

Sampling & Analysis Data

Sample Received On : 28/12/2020
Sample Drawn On : 27/12/2020
Sample Description : Soil Sample
Sampling Location : Ash Pond Area (Power Plant Side)
Sample Drawn By : Mr. Sonu Sharma (NTL)
Analysis Duration : 28/12/2020 To 02/01/2021

S.No.	PARAMETERTS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS:2720(Part-26)	7.29	-
2.	Electrical Conductivity at 25 ^o C (1:5suspension.)	IS:2720(Part-21)	518	µS/cm
3.	Available Calcium (as Ca)	STP/SOIL	1996	mg/kg
4.	Available Magnesium (as Mg)	STP/SOIL	186	mg/kg
5.	Available Sodium (as Na)	STP/SOIL	196	mg/kg
6.	Available Potassium (as K)	STP/SOIL	288	mg/kg
7.	Water holding Capacity	STP/SOIL	32.9	% by mass
8.	Chloride (as Cl)	STP/SOIL	232	mg/kg
9.	Sulphate (as SO ₄)	STP/SOIL	254	mg/kg
10.	Nitrate (as NO ₃)	STP/SOIL	15.82	mg/kg
11.	Alkalinity (as CaCO ₃)	STP/SOIL	492	mg/kg
12.	Available Iron Content (as Fe)	STP/SOIL	67.2	mg/kg
13.	Phosphorus (as P ₂ O ₅)	STP/SOIL	93.2	mg/kg
14.	Bulk Density	STP/SOIL	1.137	gm /cc
15.	Moisture Content	STP/SOIL	13.05	% by mass
16.	Organic Matter	STP/SOIL	1.21	% by mass

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