



Analyzing for an assured
future

NOIDA TESTING LABORATORIES

(A Government Approved Testing Laboratory)

An ISO 9001:2015 & 45001:2018 (OHSAS) Certified Laboratory

MoEF & CC (Ministry of Environment, Forest & Climate Change), UP PCB & HSPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Soil Sample	SS-140322-040	21/03/2022

Issued To: **M/s Lalitpur Power Generation Company Limited**
 Address: **Village- Mirchwara and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P) India**

Sampling & Analysis Data

Sample Drawn On : 10/03/2022
 Sample Received On : 14/03/2022
 Sample Description : Soil Sample
 Sampling Location : Coal Yard (Towards Store)
 Sample Drawn By : Mr. Deepak Sharma (NTL)
 Analysis Duration : 14/03/2022 to 21/03/2022

S.No.	PARAMETER/TS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS-2720(Part-26)	7.36	-
2.	Electrical Conductivity at 25°C (1:5suspension.)	IS-2720(Part-21)	440	µS/cm
3.	Available Calcium (as Ca)	STP/SOIL	2102	mg/kg
4.	Available Magnesium (as Mg)	STP/SOIL	256	mg/kg
5.	Available Sodium (as Na)	STP/SOIL	238	mg/kg
6.	Available Potassium (as K)	STP/SOIL	365	mg/kg
7.	Water holding Capacity	STP/SOIL	38.8	% by mass
8.	Chloride (as Cl)	STP/SOIL	289	mg/kg
9.	Sulphate (as SO4)	STP/SOIL	267	mg/kg
10.	Nitrate (as NO3)	STP/SOIL	17.50	mg/kg
11.	Alkalinity (as CaCO3)	STP/SOIL	502.0	mg/kg
12.	Available Iron Content (as Fe)	STP/SOIL	78.60	mg/kg
13.	Phosphorus (as P ₂ O ₅)	STP/SOIL	154.0	mg/kg
14.	Bulk Density	STP/SOIL	1.172	gm/cc
15.	Moisture Content	STP/SOIL	20.16	% by mass
16.	Organic Matter	STP/SOIL	1.45	% by mass
17.	Lead (as Pb)	US EPA-846	1.28	mg/ kg
18.	Copper (as Cu)	US EPA-846	35.2	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, Noida Gautam Budh Nagar - 201301

Branch Office :

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Soil Sample	SS-140322-041	21/03/2022

Issued To: M/s Lalitpur Power Generation Company Limited
Address: Village- Mirchwarra and Burogaon, Tehsil- Mahroni, Lalitpur-284123 (U.P) India

Sampling & Analysis Data

Sample Drawn On : 10/03/2022
 Sample Received On : 14/03/2022
 Sample Description : Soil Sample
 Sampling Location : Ash Pond Area (Power Plant Side)
 Sample Drawn By : Mr. Deepak Sharma (NTL)
 Analysis Duration : 14/03/2022 to 21/03/2022

S.No.	PARAMETERS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS-2720(Part-26)	7.21	-
2.	Electrical Conductivity at 25°C (1:5suspension.)	IS-2720(Part-21)	496	µS/cm
3.	Available Calcium (as Ca)	STP/SOIL	2088	mg/kg
4.	Available Magnesium (as Mg)	STP/SOIL	252	mg/kg
5.	Available Sodium (as Na)	STP/SOIL	223	mg/kg
6.	Available Potassium (as K)	STP/SOIL	280	mg/kg
7.	Water holding Capacity	STP/SOIL	34.0	% by mass
8.	Chloride (as Cl)	STP/SOIL	296	mg/kg
9.	Sulphate (as SO4)	STP/SOIL	302	mg/kg
10.	Nitrate (as NO3)	STP/SOIL	19.50	mg/kg
11.	Alkalinity (as CaCO3)	STP/SOIL	468.0	mg/kg
12.	Available Iron Content (as Fe)	STP/SOIL	70.12	mg/kg
13.	Phosphorus (as P ₂ O ₅)	STP/SOIL	102.0	mg/kg
14.	Bulk Density	STP/SOIL	1.164	gm /cc
15.	Moisture Content	STP/SOIL	14.25	% by mass
16.	Organic Matter	STP/SOIL	1.30	% by mass
17.	Lead (as Pb)	US EPA-846	1.18	mg/kg
18.	Copper (as Cu)	US EPA-846	27.5	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

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