ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)
(An ISO 9001: 2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory)
Website: www.itslab.in, Email: itlrclab@gmail.com, info@itslab.in, contact@itslab.in
+91 9911659800, 9305780312, 09958849764

Test Report of	Report Code	Date of Issue
Soil Sample	SS-130326-08	20/03/2026

Issued To: M/S LALITPUR POWER GENERATION COMPANY LIMITED
VILLAGE-MIRCHWARA & BURAGAON TEHSIL-MEHRONI DISTT- LALITPUR
(U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Received On : 13/03/2026
Sample Drawn On : 11/03/2026
Sample Description : Soil Sample
Sampling Location : **Ash Pond Area (Power Plant Side)**
Sample Drawn By : **Mr. Amit Sharma (ITS)**
Analysis Duration : 13/03/2026 To 20/03/2026

S.No.	PARAMETERTS	TEST METHOD	RESULT	UNIT
1.	pH(1:5 suspension)	IS:2720(Part-26)	7.28	-
2.	Electrical Conductivity at $25^{O}C$ (1:5suspension.)	IS:2720(Part-21)	502	µS/cm
3.	Calcium (as Ca)	STP/SOIL/AEL-01	1988	mg/kg
4.	Magnesium(as Mg)	STP/SOIL /AEL-02	201	mg/kg
5.	Sodium (as Na)	STP/SOIL /AEL-02	186	mg/kg
6.	Potassium(as K)	STP/SOIL /AEL-03	238	mg/kg
7.	Water holding Capacity	STP/SOIL/ AEL-04	36.9	% by mass
8.	Chloride (as Cl)	STP/SOIL/ AEL-05	276	mg/kg
9.	Sulphate (as SO4)	STP/SOIL/ AEL-06	162	mg/kg
10.	Nitrate (as NO3)	STP/SOIL/ AEL-07	14.20	mg/kg
11.	Alkalinity (as CaCO3)	STP/SOIL/ AEL-08	488	mg/kg
12.	Iron Content (as Fe)	STP/SOIL/ AEL-09	51.8	mg/kg
13.	Phosphorus (as P_2O_5)	STP/SOIL/ AEL-10	26.0	mg/kg
14.	Bulk Density	STP/SOIL/ AEL-11	1.135	gm /cc
15.	Moisture Content	STP/SOIL/ AEL-12	29.7	% By mass
16.	Organic Matter	STP/SOIL/ AEL-13	0.71	% By mass
17	Lead Content (as Pb)	US EPA-846	112	mg/Kg
18	Copper Content (as Cu)	US EPA-846	27.0	mg/Kg
19.	Cadmium Content (as Cd)	US EPA-846	4.90	mg/Kg
20.	Total Chromium (as cr)	US EPA-846	22.80	mg/Kg
21.	Arsenic Content (as As)	US EPA-846	BDL	mg/Kg
22.	Mercury (as Hg)	US EPA-846	BDL	mg/Kg

BDL-Below Detection Limit

Checked by

Authorized Signatory

Terms & Conditions :
1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
4. Total liability or our laboratory is limited to invoiced amount.

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TEST REPORT

Test Report of	Report Code	Date of Issue
Soil Sample	SS-130326-07	20/03/2026

Issued To: M/S LALITPUR POWER GENERATION COMPANY LIMITED
VILLAGE-MIRCHWARA & BURAGAON TEHSIL-MEHRONI DISTT- LALITPUR
(U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Received On : 13/03/2026
Sample Drawn On : 11/03/2026
Sample Description : Soil Sample
Sampling Location : **Coal Yard (Towards Store)**
Sample Drawn By : **Mr. Amit Sharma (ITS)**
Analysis Duration : 13/03/2026 To 20/03/2026

S.No.	PARAMETERTS	TEST METHOD	RESULT	UNIT
1.	pH (1:5 suspension)	IS:2720(Part-26)	7.23	-
2.	Electrical Conductivity at 25^{O}C (1:5suspension.)	IS:2720(Part-21)	480	µS/cm
3.	Calcium (as Ca)	STP/SOIL/AEL-01	1898	mg/kg
4.	Magnesium (as Mg)	STP/SOIL /AEL-02	262	mg/kg
5.	Sodium (as Na)	STP/SOIL /AEL-02	169	mg/kg
6.	Potassium (as K)	STP/SOIL /AEL-03	219	mg/kg
7.	Water holding Capacity	STP/SOIL/ AEL-04	38.2	% By mass
8.	Chloride (as Cl)	STP/SOIL/ AEL-05	236	mg/kg
9.	Sulphate (as SO4)	STP/SOIL/ AEL-06	149	mg/kg
10.	Nitrate (as NO3)	STP/SOIL/ AEL-07	16.9	mg/kg
11.	Alkalinity (as CaCO3)	STP/SOIL/ AEL-08	388	mg/kg
12.	Iron Content (as Fe)	STP/SOIL/ AEL-09	60.3	mg/kg
13.	Phosphorus (as P_2O_5)	STP/SOIL/ AEL-10	28.90	mg/kg
14.	Bulk Density	STP/SOIL/ AEL-11	1.1392	gm /cc
15.	Moisture Content	STP/SOIL/ AEL-12	30.8	% by mass
16.	Organic Matter	STP/SOIL/ AEL-13	0.87	% by mass
17	Lead Content (as Pb)	US EPA-846	121	mg/Kg
18	Copper Content (as Cu)	US EPA-846	36.2	mg/Kg
19.	Cadmium Content (as Cd)	US EPA-846	4.63	mg/Kg
20.	Total Chromium (as cr)	US EPA-846	22.0	mg/Kg
21.	Arsenic Content (as As)	US EPA-846	BDL	mg/Kg
22.	Mercury (as Hg)	US EPA-846	BDL	mg/Kg

BDL-Below Detection Limit.

Checked by

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