



# 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

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

Analyzing for an Assured Future

## TEST CERTIFICATE

|                |              |               |
|----------------|--------------|---------------|
| Test Report of | Report Code  | Date of Issue |
| Soil Sample    | SS-130321-01 | 25/03/2021    |

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

### Sampling & Analysis Data

Sample Received On : 13/03/2021  
Sample Drawn On : 12/03/2021  
Sample Description : Soil Sample  
Sampling Location : Coal Yard (Towards Store)  
Sample Drawn By : Mr. Mohit Sharma (NTL)  
Analysis Duration : 13/03/2021 To 25/03/2021

| S.No. | PARAMETERTS   | TEST METHOD      | RESULT | UNIT      |
|-------|---|------------------|--------|-----------|
| 1.    | pH(1:5 suspension)  | IS:2720(Part-26) | 7.15   | -         |
| 2.    | Electrical Conductivity at 25 <sup>o</sup> C (1:5suspension.) | IS:2720(Part-21) | 458    | μS/cm     |
| 3.    | Available Calcium (as Ca)                                     | STP/SOIL         | 1902   | mg/kg     |
| 4.    | Available Magnesium (as Mg)                                   | STP/SOIL         | 212    | mg/kg     |
| 5.    | Available Sodium (as Na)                                      | STP/SOIL         | 192    | mg/kg     |
| 6.    | Available Potassium (as K)                                    | STP/SOIL         | 295    | mg/kg     |
| 7.    | Water holding Capacity  | STP/SOIL         | 302    | % by mass |
| 8.    | Chloride (as Cl)  | STP/SOIL         | 234    | mg/kg     |
| 9.    | Sulphate (as SO4)   | STP/SOIL         | 196    | mg/kg     |
| 10.   | Nitrate (as NO3)  | STP/SOIL         | 14.20  | mg/kg     |
| 11.   | Alkalinity (as CaCO3)   | STP/SOIL         | 458    | mg/kg     |
| 12.   | Available Iron Content (as Fe)                                | STP/SOIL         | 63.2   | mg/kg     |
| 13.   | Phosphorus (as P <sub>2</sub> O <sub>5</sub> )                | STP/SOIL         | 102.2  | mg/kg     |
| 14.   | Bulk Density  | STP/SOIL         | 1.138  | gm /cc    |
| 15.   | Moisture Content  | STP/SOIL         | 15.20  | % by mass |
| 16.   | Organic Matter  | STP/SOIL         | 1.24   | % 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

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttrakhand

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Analyzing for an Assured Future

## TEST CERTIFICATE

|                |              |               |
|----------------|--------------|---------------|
| Test Report of | Report Code  | Date of Issue |
| Soil Sample    | SS-130321-02 | 25/03/2021    |

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

### Sampling & Analysis Data

Sample Received On : 13/03/2021  
Sample Drawn On : 12/03/2021  
Sample Description : Soil Sample  
Sampling Location : Ash Pond Area ( Power Plant Side)  
Sample Drawn By : Mr. Mohit Sharma (NTL)  
Analysis Duration : 13/03/2021 To 25/03/2021

| S.No. | PARAMETERTS   | TEST METHOD      | RESULT | UNIT      |
|-------|---|------------------|--------|-----------|
| 1.    | pH(1:5 suspension)  | IS:2720(Part-26) | 7.19   | -         |
| 2.    | Electrical Conductivity at 25 <sup>o</sup> C (1:5suspension.) | IS:2720(Part-21) | 482    | µS/cm     |
| 3.    | Available Calcium (as Ca)                                     | STP/SOIL         | 2018   | mg/kg     |
| 4.    | Available Magnesium (as Mg)                                   | STP/SOIL         | 196    | mg/kg     |
| 5.    | Available Sodium (as Na)                                      | STP/SOIL         | 201    | mg/kg     |
| 6.    | Available Potassium (as K)                                    | STP/SOIL         | 302    | mg/kg     |
| 7.    | Water holding Capacity  | STP/SOIL         | 33.8   | % by mass |
| 8.    | Chloride (as Cl)  | STP/SOIL         | 236    | mg/kg     |
| 9.    | Sulphate (as SO4)   | STP/SOIL         | 251    | mg/kg     |
| 10.   | Nitrate (as NO3)  | STP/SOIL         | 17.10  | mg/kg     |
| 11.   | Alkalinity (as CaCO3)   | STP/SOIL         | 412    | mg/kg     |
| 12.   | Available Iron Content (as Fe)                                | STP/SOIL         | 65.3   | mg/kg     |
| 13.   | Phosphorus (as P <sub>2</sub> O <sub>5</sub> )                | STP/SOIL         | 99.6   | mg/kg     |
| 14.   | Bulk Density  | STP/SOIL         | 1.135  | gm /cc    |
| 15.   | Moisture Content  | STP/SOIL         | 11.30  | % by mass |
| 16.   | Organic Matter  | STP/SOIL         | 1.16   | % by mass |

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