



Analyzing for an Assured  
Future

# 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

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Coal Sample	MS -130321-03	25/03/2021

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

Sample Received On : 13/03/2021  
 Sample Drawn On : 12/03/2021  
 Sample Description : Coal Sample  
 Sampling Site : Coal Yard  
 Sampling Procedure : IS: 436 Part-1  
 Sample Drawn by : Mr. Amit Kumar Sharma (NTL)  
 Analysis Duration : 13/03/2021 to 25/03/2021

TEST RESULTS			
S.No.	Name of Parameters	Protocol Used	Observe Value
1.	Gross Calorific Value, Cal /g (On Air dry basis)	IS:3050(Pt-II), Reaff-2005 Guideline & by Calculation	3854
2.	Proximate Analysis % by mass (On air dried basis)		
(a)	Inherent Moisture (%by mass)	IS:3050(Pt-I) 1984, Reaff-2007 Guidelines	7.82
(b)	Ash (%by mass)	IS:3050(Pt-I) 1984, Reaff-2007 Guidelines	30.02
(c)	Volatile Matter (%by mass)	IS:3050(Pt-I) 1984, Reaff-2007 Guidelines	27.98
(d)	Fixed Carbon (by Diff.) (%by mass)	IS:3050(Pt-I) 1984, Reaff-2007 Guidelines	32.59
(e)	Total Moisture Content (%by mass)	IS:3050(Pt-I) 1984, Reaff-2007 Guidelines	9.41
(f)	Sulphur Content (% by mass)	IS:3050(Pt-II) 1984, Reaff-2007 Guidelines	0.241
3.	Ash Analysis (mg/Kg)		
(a)	Mercury Content (as Hg) (mg/kg)	APHA-23 <sup>edit</sup> -2013 (Atomic With Cold Vapor Technique)	BDL
(b)	Lead Content (as Pb) (mg/kg)	US EPA-5052 (B)	10.18
(c)	Arsenic Content (as As) (mg/kg)	US EPA-5052 (B)	BDL
(d)	Cadmium content (as Cd) (mg/kg)	US EPA-5052 (B)	BDL

BDL- Below detection Limit

**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.