

Laboratory Coal Testing Laboratory, O&M-Chemistry, NTPC Ltd., Simhadri Thermal Power Plant, PO: NTPC-Simhadri, Parawada (M), Vishakhapatnam, Andhra Pradesh

Accreditation Standard ISO/IEC 17025: 2017

Certificate Number TC-7386

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Validity 19.08.2019 to 08.06.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	SOLID FUELS			
1.	Coal	Proximate Analysis		
		Volatile Matter	ASTM D 7582	18 % to 45 %
		Moisture	ASTM D 7582 IS 1350 Part-1 ASTM D 3173M	4 % to 15 %
		Ash	ASTM D 7582 ASTM D 3174 IS 1350 Part-1	3 % to 55 %
		Gross calorific Value.	ASTM D 5865	2500 Kcal/kg to 6500 Kcal/kg
		Sulphur	ASTM D 4239	0.2 % to 3 %
		Total moisture	ASTM D 3302 M	12 % to 35 %
		Equilibrated moisture (60 % RH &40 °C)	IS 1350 Part-1	4 % to 9 %

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