

Laboratory Coal Testing Laboratory, NTPC Ltd., Rihand Super Thermal Power Project, PO- Rihandnagar, Distt: Sonbhadra, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5886 (in lieu of T-3401)

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Validity 24.04.2017 to 23.04.2019

Last Amended on 30.06.2017

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		
		a. Moisture	ASTM D 3173	4% to 30%
			IS 1350 Part (I)	1% to 20%
		b. Ash	ASTM D 3174	1% to 40%
			IS 1350 Part (I)	10% to 60%
		c. Volatile Matter	ASTM D 3175	15% to 50%
			IS 1350 Part (I)	10% to 40%
		Gross calorific value	ASTM D 5865	2000 kCal/kg to 7000 kCal/kg
		Total Moisture	ASTM D 3302M	05% to 50%
		Equilibrated Moisture (at 40°C & 60% RH)	IS 1350 Part (I)	04% to 10%
		Total sulphur	ASTM D 4239	0.1% to 5.0 %
		Proximate analysis by using TGA	ASTM D 7582	
		a. Moisture	ASTM D 7582	1% to 30%
		b. Ash	ASTM D 7582	1% to 60%
	c. Volatile Matter	ASTM D 7582	15% to 50%	