

**Laboratory** Chemical Laboratory, NTPC Ltd., Talcher Super Thermal Power Station,  
P. O. Deepshikha, Dist. Angul, Odisha

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing

**Issue Date** 11.03.2014

**Certificate Number** T-2880

**Valid Until** 10.03.2016

**Last Amended on** -

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. COAL, COKE &amp; OTHER SOLID FUELS</b>				
1.	Coal	Gross Calorific Value	ASTM D 5865-12	2000 -8000 kcal/kg
		Ash	IS : 1350 (Part I) – 1984, Reaffirmed-2013 & ASTM D 7582-12	2.0-55.0%
		Inherent Moisture	IS : 1350 (Part I) – 1984, Reaffirmed-2013 & ASTM D 7582-12	2.0 %-20.0%
		Volatile Matter	IS : 1350 (Part I) – 1984, Reaffirmed-2013 & ASTM D 7582-12	15.0%-50.0 %
		Sulphur	ASTM D 4239-12	0.1%-1.5 %
		Equilibrated Moisture	IS : 1350 (Part I) – 1984, Reaffirmed-2013	5.0 %-10.0%
		Total Moisture	ASTM D 3302/3302M-12 & IS : 1350 (Part I) - 1984, Reaffirmed-2013	10.0%-35.0%
		Sieve Analysis (less than 2.36 mm size)	ASTM-D-4749-87 (Reapproved 2012)	15.0%-30.0%

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