

**Laboratory** Chemical Laboratory, Tata Power Company Limited, Trombay Thermal Power Station, Mahul Road, Chembur, Mumbai, Maharashtra

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

**Discipline** Chemical Testing **Issue Date** 24.04.2015

**Certificate Number** T-0991 **Valid Until** 23.04.2017

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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.</b>	<b>COAL, COKE &amp; OTHER SOLID FUEL</b>			
<b>1.</b>	<b>Coal</b>	<b>Proximate Analysis:</b>		
		Moisture	ASTM D 3173: 2011	1.00 % to 25.00 %
		Ash	ASTM D 3174: 2012	0.50 % to 30.00 %
		Volatile Matter	ASTM D 3175: 2011	1.00 % to 51.00 %
		Moisture (Macro TGA)	ASTM D 7582: 2012	1.00 % to 28.00 %
		Ash (Macro TGA)	ASTM D 7582: 2012	0.50 % to 30.00 %
		Volatile Matter (Macro TGA)	ASTM D 7582: 2012	1.00 % to 51.00 %
		Gross Calorific Value	ASTM D 5865: 2013	4900 cal/g to 8200 cal/g
		Total Sulphur	ASTM D 4239: 2014	0.05 % to 4.00 %
		Fixed Carbon	ASTM D 3172: 2013 ASTM D 7582: 2012	Estimated by Calculation using values of Moisture, Ash & Volatile Mater as determined by ASTM Standard Methods

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**Anuja Anand**  
Convenor

**N. Venkateswaran**  
Program Manager