Laboratory		**Inspectorate Griffith India Pvt. Ltd., Dhanbad Laboratory, Dhansar, Dhanbad, Jharkhand**		
Accreditation Standard		**ISO/IEC 17025: 2005**		
Certificate Number		**TC-6704** *(In lieu of T-2145)*		**Page 1 of 2**
Validity		**03.02.2018 to 02.02.2020**		**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

CHEMICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	SOLID FUEL			
1.	Coal & Coke	Total Moisture	IS 1350 (Part 1) ASTM D3302/D3302M, ASTM D2961 ISO 579, ISO 589	0.1% to 40%
		Moisture in analysis sample / Air-dried Moisture	IS 1350 (Part 1) ASTM D3173, ASTM D7582 ISO 11722, ISO 687	0.1% to 20%
		Equilibrated Moisture	IS 1350 (Part 1)	0.1% to 20%
		Volatile Matter	IS 1350 (Part 1) ASTM D3175, ASTM D7582 ISO 562	0.1% to 50%
		Ash	IS 1350 (Part 1) ASTM D3174, ASTM D7582 ISO 1171	0.1% to 85%
		Gross Calorific Value	IS 1350 (Part 2) ASTM D5865 ISO 1928	400 kcal/kg to 8200 kcal/kg
		Fixed Carbon	IS 1350 (Part 1) ASTM D3172 (By Calculation) ASTM D7582 ISO 17246	-
		Phosphorus	IS 1350 (Part 5) IGI/DHB/TPM-13	0.001% to 0.25%

Pooja Singh **Convenor**	**N. Venkateswaran** **Program Director**

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Sulphur	IS 1350 (Part 3) ASTM D4239, ASTM D5016 ISO 334, ISO 19579	0.1 % to 5%
2.	COAL	Crucible Swelling Number/FSI	IS 1353 ASTM D720 ISO 501	0 to 9
		Fluidity	ASTM D2639	0 to 30000 DDPM
		Low Temperature Gray-King Index (LTGK)	IS 1353	A to G7
		Washability Characteristics	IS 13810 ASTM D4371	0.1% to 85% (1.10 to 2.40 Sp. Gr.)
		Froth Flotation	IS 13810 ASTM D5114	0.1 % to 85%
		Dilatometer Test	ISO 8264	(-)100% ÷ +600%
		HGI	IS 4433 ASTM D409/D409M ISO 5074	30 to 110

Pooja Singh
Convenor

N. Venkateswaran
Program Director