

Laboratory Coal & Water Testing Lab, Lanco Anpara Power Limited, P.O. Anpara, Sonebhadra District, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7296

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Validity 28.05.2018 to 27.05.2020

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	Total Moisture	IS 1350 (Part 1)	5.0 % to 35.0 %
		Moisture (Air Dried Basis)		1.0 % to 15.0 %
		Ash		5.0 % to 50.0 %
		Volatile Matter (VM)		10.0 % to 35.0 %
		Fixed Carbon (FC)		By Difference
		Gross Calorific Value	IS 1350 (Part 2)	(2000 to 8000) kcal/kg
		Sulfur	IS 1350 (Part 1)	0.02 % to 5.0 %
II.	WATER			
1.	Drinking Water	pH	IS 3025 (Part 11)	1 to 14
		Total Dissolved Solid (TDS)	IS 3025 (Part 15)	50 mg/L to 500 mg/L
		Total Hardness	IS 3025 (Part 21) Clause 5.4	10 mg/L to 600 mg/L
		Chloride	IS 3025 (Part 32) Clause 2	10 mg/L to 80 mg/L
		Sulphate	IS 3025 (Part 24) Clause 4	10 mg/L to 100 mg/L
		Calcium Hardness	IS 3025 (Part 40) Clause 5	10 mg/L to 100 mg/L
		Magnesium Hardness	IS 3025 (Part 46) Clause 6	8 mg/L to 50 mg/L

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