National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : COAL TESTING LABORATORY, NTPC RIHAND, RIHAND NAGAR, BIJPUR, SONBHADRA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5886 **Page No** 1 of 2

Validity 02/08/2021 to 01/08/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- LUBRICANTS	Oils	Mechanical Impurities	ASTM D4055
2	CHEMICAL- LUBRICANTS	Oils	Moisture	ASTM D6304
3	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis C3H8 (Propane)	ASTM D3612
4	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis N2 (Nitrogen)	ASTM D3612
5	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis C2H2 (Acetylene)	ASTM D3612
6	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis C2H4 (Ethylene)	ASTM D3612
7	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis C2H6 (Ethane)	ASTM D3612
8	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis C3H6 (Propylene)	ASTM D3612
9	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis CH4 (Methane)	ASTM D3612
10	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis CO (Carbon Monooxide)	ASTM D3612
11	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis CO2 (Carbon DiOxide)	ASTM D3612
12	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis H2 (Hydrogen)	ASTM D3612
13	CHEMICAL- LUBRICANTS	Transformer Oil	Dissolved Gas Analysis O2 (Oxygen)	ASTM D3612
14	CHEMICAL- SOLID FUELS	Coal	Equilibrated Moisture (at 40 deg C & 60% RH)	IS 1350 Part (I)
15	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 Part (2)
16	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value (GCV)	ASTM D5865
17	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis by TGA Ash	ASTM D7582
18	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis by TGA Inherent Moisture	ASTM D7582
19	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis by TGA Volatile Matter	ASTM D7582
20	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis Ash	ASTM D3174
21	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis Ash	IS 1350 Part (I)

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22	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis Inherent Moisture	ASTM D3173/D3173M
23	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis Inherent Moisture	IS 1350 Part (I)
24	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis Volatile Matter	ASTM D3175
25	CHEMICAL- SOLID FUELS	Coal	Proximate Analysis Volatile Matter	IS 1350 Part (I)
26	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D3302/D3302M
27	CHEMICAL- SOLID FUELS	Coal	Total Sulfur	ASTM D4239