

Laboratory Coal & Oil Testing Laboratory, Sasan Power Limited, 660 MW X 6 (3960 MW) SUMPP, Vill.- Sasan, Post-Tiyara, Sidhi Khurd, Dist.- Singrauli, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5328 (in lieu of T-4387)

Page 1 of 1

Validity 13.01.2017 to 12.01.2019

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

I.	SOLID FUELS			
1.	Coal	Proximate analysis of coal		
		Total Moisture	IS 1350 (Part 1): 1984 (RA 2013) Clause No. 6	0.1 % to 50 %
		Moisture	IS 1350 (Part 1): 1984 (RA 2013) Clause No. 6.3.2.3	0.1 % to 10 %
		Ash	IS 1350 (Part 1): 1984 (RA 2013) Clause No. 8	0.1 % to 60 %
		Volatile Matter	IS 1350 (Part 1): 1984 (RA 2013) Clause No. 7	0.1 % to 60 %
		Fixed carbon	IS 1350 (Part 1): 1984 (RA 2013) Clause No. 9.1.3.	0.1 % to 60 %
		Gross Calorific Value	IS 1350 (Part II): 1970 (RA 2015) Clause No. 5	3300 kcal/Kg to 8000 kcal/Kg
2.	Lubricating Oils	Moisture	IS 13567: 1992 (RA 2003)/ IS 1448 (P:40): 1987	1mg/ltr to 10 % water
		Total Acid Number	IS 1448 (P: 1/Sec: 1) (RA 2002) Clause No. 6	0.02 mg KOH/g to 2.000 mg KOH/g oil
		Viscosity	IS 1448 (P: 25): 1976 (RA 2002) Clause No. 6	(3 to 700) Centi stokes

K. Soundira Pandian
Convenor

N. Venkateswaran
Program Director