National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PROTECTION & METERING LABORATORY, ADANI POWER (MUNDRA) LIMITED, MUNDRA THERMAL POWER PROJECT, ADANI POWER SEZ, VILLAGE: TUNDA AND SIRACHA, TALUKA: MUNDRA, KUTCH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6538 **Page No** 1 of 4

Validity 27/12/2021 to 26/12/2023 **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	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	AC High Voltage	IS 14697 Cl.12.7.6.3
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	AC Voltage	IEC 62052-31 Cl. 6.10.4.4.4.4
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Initial start-up of the meter	IEC 62053-22; IEC 62053-23 Cl. 8.3.1
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Insulation Resistance	IS 14697 Cl. 12.7.6.4
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Insulation Resistance	IS 14697 Cl. 12.7.6.4
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Limits of Error	IEC 62053-22; IEC 62053-23 Cl. 8.1
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Limits of Error	IS 14697 Cl. 11.1
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Limits of error due to influence quantities (Voltage Variation, Frequency Variation, Reverse Phase Sequence)	IEC 62053-22; IEC 62053-23 Cl. 8.2
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Current Circuit	IEC 62053-22; IEC 62053-23 Cl. 7.1
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Current Circuit	IS 14697 Cl. 9.1.2 & 12.7.1

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Voltage Circuit	IEC 62053-22; IEC 62053-23 Cl. 7.1
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Voltage Circuit	IS 14697 Cl. 9.1.1 & 12.7.1
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Repeatability of Error	IS 14697 Cl. 11.7 & 12.16
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Starting Condition	IS 14697 Cl. 11.4.1 & 12.13
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Starting Condition	IS 14697 Cl. 11.5 & 12.13
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Starting current	IEC 62053-22; IEC 62053-23 Cl. 8.3.3
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of Influence Quantities (Voltage Variation, Frequency Variation, Reverse Phase Sequence)	IS 14697 Cl. 11.2
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of Meter Constant	IEC 62053-22; IEC 62053-23; Cl. 8.4
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of Meter Constant	IS 14697 Cl. 11.6 & 12.14
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of No Load Condition	IEC 62053-22; IEC 62053-23 Cl. 8.3.2
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of No Load Condition	IS 14697 Cl. 11.4.2 & 12.12

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Site Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Initial start-up of the meter	IEC 62053-22; IEC 62053-23 Cl. 8.3.1
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Limits of Error	IEC 62053-22; IEC 62053-23 Cl. 8.1
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Limits of Error	IS 14697 Cl. 11.1
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Limits of error due to influence quantities (Voltage Variation, Frequency Variation, Reverse Phase Sequence)	IEC 62053-22; IEC 62053-23 Cl. 8.2
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Current Circuit	IEC 62053-22; IEC 62053-23 Cl. 7.1
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Current Circuit	IS 14697 Cl. 9.1.2 & 12.7.1
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Voltage Circuit	IEC 62053-22; IEC 62053-23 Cl. 7.1
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Power Consumption in Voltage Circuit	IS 14697 Cl. 9.1.1 & 12.7.1
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Repeatability of Error	IS 14697 Cl. 11.7 & 12.16
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Starting Condition	IS 14697 Cl. 11.4.1 & 12.13

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Starting Condition	IS 14697 Cl. 11.5 & 12.13
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Starting current	IEC 62053-22; IEC 62053-23 Cl. 8.3.3
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of Influence Quantities (Voltage Variation, Frequency Variation, Reverse Phase Sequence)	IS 14697 Cl. 11.2
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of Meter Constant	IEC 62053-22; IEC 62053-23; Cl. 8.4
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of Meter Constant	IS 14697 Cl. 11.6 & 12.14
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of No Load Condition	IEC 62053-22; IEC 62053-23 Cl. 8.3.2
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electronic Static Energy Meters of 0.2S & 0.5S Classes	Test of No Load Condition	IS 14697 Cl. 11.4.2 & 12.12