National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING AND QUALITY ASSURANCE LABORATORY, MSEDCL, TESTING DIVISION (R), TESTING CIRCLE, VIDYUT BHAVAN, DR. AMBEDKAR ROAD, AURANGABAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6776 **Page No** 1 of 3

Validity 29/01/2023 to 28/01/2025 **Last Amended on** 11/02/2023

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-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Elongation	IS 398 (Part-2) (Cl 13.4.2)
2	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Resistance	IS 398 (Part 4) (Cl 12.4)
3	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Resistance	Cl. 12.5 of IS 398 (Part-1) & Cl. 13.6 of IS 398 (Part 2)
4	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Breaking Load	Cl. 12.3 of IS 398 (Part-1) & Cl.13.3 of IS 398 (Part 2)
5	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	BreakingLoad	IS 398 (Part 4) (Cl 12.2)
6	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Diameter	Cl. 12.2 of IS 398 (Part 1) & Cl. 13.2 of IS 398 (Part 2)
7	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Diameter	IS 398 (Part 4) (Cl 3.1.2)
8	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Elongation	IS 398 (Part 4) (Cl 12.3)
9	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Lay Ratio	Cl. 12.6 of IS 398 (Part-1) & Cl. 13.8 of IS 398 (Part 2)
10	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Lay Ratio	IS 398 (Part 4) (Cl 3.1.4)
11	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminium Conductor for overhead transmission purpose	Wrapping	Cl. 12.4 of IS 398 (Part-1) & Cl. 13.5 of IS 398 (Part 2)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S	Influence Quantities	IS 14697 (Cl. 11.2)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	Limit of error	IS 14697 (Cl.11.1)

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14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	Insulation Resistance	IS 14697 (Cl.12.7.6)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	No Load condition	IS 14697(Cl. 12.12)
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	Power Consumption	IS 14697 (Cl.12.7.1)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	Repeatability oferror	IS 14697 (Cl.11.7)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	Starting conditions	IS 14697 (Cl.11.5)
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC static transformer operated Watt hour and var hour meters Class-0.2S and 0.5S, Upto 10A, Upto 3X240V	Meter Constant	IS 14697 (Cl.11.6)
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 & 2 (Single Phase and Three Phase upto 100 A, 3X240 V)	Limits of error	IS 13779 (Cl. 11.1)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 & 2 (Single Phase and Three Phase upto 100A, 3X240 V)	Starting Condition	IS 13779(Cl. 12.14)
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 &2 (Single Phase and Three Phase upto 100A, 3X240 V)	No Load condition	IS 13779 (Cl. 12.13)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 &2 (Single Phase and Three Phase upto 100A, 3X240 V)	Power Consumption	IS 13779 (Cl. 12.7.1)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 &2 (Single Phase and Three Phase upto 100A, 3X240 V)	Insulation Resistance	IS 13779 (Cl. 12.7.6.4)

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25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 &2 (Single Phase and Three Phase upto 100A, 3X240 V)	Repeatability of Error	IS 13779 (Cl.12.17)
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 &2 (Single Phase and Three Phase upto 100A, 3X240 V)	Influence Quantities	IS 13779 (Cl 11.2)
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watt hours meters Class 1 &2 (Single Phase and Three Phase upto 100A, 3X240 V)	Meter Constant	IS 13779 (Cl. 11.6)