

Laboratory **Meter Testing Laboratory, RRVPNL, 132 KV GSS Premises,
Pratapnagar, Udaipur, Rajasthan**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6774** *(in lieu of T-2096)*

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Validity **17.12.2017 to 16.12.2019**

Last Amended on **12.01.2018**

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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ELECTRICAL TESTING

I.	ELECTICAL INDICATING & RECORDING INSTRUMENTS			
1.	AC Static Transformer Operated Wh, VaRh Meter	Limits on Error	IS 14697 (Clause No. 11.1 & 12.9.1) IS 13779 (Clause No. 11.1)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF
		No Load Condition	IS 14697 (Clause No. 11.4.2 & 12.12) IS 13779 (Clause No. 11.1 & 12.13)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF
		Starting Condition	IS 14697 (Clause No. 11.5 & 12.13) IS 13779 (Clause No. 11.5 & 12.14)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF
		Meter Constant	IS 14697 (Clause No. 11.6 & 12.14) IS 13779 (Clause No. 11.6 & 12.15)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF
		Repeatability of Error Influence Quantities	IS 14697 (Clause No. 11.6 & 12.14) IS 13779 (Clause No. 11.6 & 12.15)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF
		Voltage Variation	IS 14697 (Clause No. 11.7 & 12.16) IS 13779 (Clause No. 11.7 & 12.17)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF
		Frequency Variation	IS 14697 (Clause No. 11.2 & 12.10) IS 13779 (Clause No. 11.2 & 12.11)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, - UPF to +UPF

Laboratory

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Waveform: 10 % of 3 rd Harmonic in Current	IS 14697 (Clause No. 11.2 & 12.10) IS 13779 (Clause No. 11.2 & 12.11)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, – UPF to +UPF
		Reversed Phase Sequence	IS 14697 (Clause No. 11.2 & 12.10) IS 13779 (Clause No. 11.2 & 12.11)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, – UPF to +UPF
		Power Consumption	IS 14697 (Clause No. 9.1) IS 13779 (Clause No. 9.1)	40 V to 300 V (P-N), 1 mA to 120 A, 47.5 Hz to 52.5 Hz, – UPF to +UPF
		A.C. High Voltage	IS 14697 (Clause No. 12.7.6.3) IS 13779 (Clause No. 12.7.6.3)	Upto 5 kV
		Insulation Resistance	IS 14697 (Clause No. 12.7.6.4) IS 13779 (Clause No. 12.7.6.4)	500 V ± 50 V, 1 MΩ to 50 K MΩ

Naveen Jangra
Convenor

N. Venkateswaran
Program Director