

Laboratory

Maharashtra State Electricity Distribution Co. Ltd., Testing and Quality Assurance Laboratory, Pune-Saswad Road, Village-Phursungi, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6361 (*in lieu of T-2669*)

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Validity 14.10.2017 to 13.10.2019

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
<u>ELECTRONICS TESTING</u>				
I.	MEASURING INSTRUMENTS – ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS			
1.	AC Static Watt-Hour Meter, Class 1 & Class 2 & AC Static Transformer Operated Watt-Hour and Var-Meter Class 0.2S, 0.5 S, 1.0S	Insulation Test	IS13779:1999, Clause No. 12.7.6.4 (amendment No 5, 5 th March, 2015) IS14697:1999 Clause No. 12.7.6.4 (amendment No 4, 4 th Dec, 2014)	1 MΩ to 1000MΩ
AC High Voltage Test		IS13779:1999, Clause No. 12.7.6.3 (amendment No 5, 5 th March,2015) IS14697:1999 Clause No. 12.7.6.3 (amendment No 4, 4 th Dec,2014) CBIP Publication No 325:2015	Upto 5 kV AC at 50 Hz	
Limits of Error		IS13779:1999, Clause No. 11.1 (amendment No 5, 5 th March, 2015) IS14697:1999 Clause No. 11.1 (amendment No 4, 4 th Dec, 2014) CBIP Publication No 325:2015	40 V to 300 V (p-N), 10 mA to100 A, 0.2 lag-UPF-0.2 lead	

Neeraj Verma
Convenor

N. Venkateswaran
Program Director

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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
		Starting condition	IS13779:1999, Clause No. 11.5 (amendment No 5, 5 th March,2015)	40 V to 300 V (p-N), 1 mA to 100 A
			IS14697:1999 Clause No. 12.13 (amendment No 4, 4 th Dec,2014) CBIP Publication No 325:2015	
		No Load condition	IS13779:1999, Clause No. 12.13 (amendment No 5, 5 th March,2015)	40 V to 300 V (P-N)
			IS14697:1999 Clause No. 12.12 (amendment No 4, 4 th Dec,2014) CBIP Publication No 325:2015	
		Repeatability of error	IS13779:1999, Clause No. 12.17 (amendment No 5, 5 th March,2015)	40 V to 300 V (p-N), 10 mA to 100 A, 0.2 lag-UPF-0.2 lead
			IS14697:1999 Clause No. 12.16 (amendment No 4, 4 th Dec,2014)	
		Power consumption	IS13799:1999, Clause No. 9.1 (amendment No 5, 5 th March,2015)	40 V to 300 V (p-N), 10 mA to 100 A
			IS14697:1999 Clause No. 9.1	

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			(amendment No 4, 4 th Dec,2014) CBIP Publication No 325:2015	
		Meter constant	IS13779:1999, Clause No. 12.15 (amendment No 5, 5 th March,2015) IS14697:1999 Clause No. 11.6 & 12.14 (amendment No 4, 4 th Dec,2014) CBIP Publication No 325:2015	40V to 300V (p-N), 10 mA to 100 A, 0.2 lag-UPF-0.2 lead
		Tamper Test	CBIP Publication No 325:2015	40V to 300V (p-N), 10mA to 100A, 0.2 lag-UPF-0.2 lead

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