

Laboratory **BRPL Laboratory, Substation No. 15, Sector-7, Pushp Vihar, New Delhi**

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

Certificate Number **TC-7751 (in lieu of T-1462)**

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Validity **10.09.2018 to 09.09.2020**

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
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ELECTRICAL TESTING

I.	MEASURING EQUIPMENTS-ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS			
1.	AC Static Watthour Meters, Class 1 and 2 & AC Static Transformer Operated Watthour AND VAR-Hour Meters. Class 0.2 S, 0.5 S & 1.0 S	Insulation Test	IS 13779:1999 (RA 2014) Clause 12.7.6.4 IS 14697:1999 (RA 2014) Clause 12.7.6.4	Test DC Voltage 500 ± 50 V 1 MΩ to 100MΩ
AC High Voltage Test		IS 13779:1999 (RA 2014) Clause 12.7.6.3 IS 14697:1999 (RA 2014) Clause 12.7.6.3	1 kV to 5 kV	
Limits of Error		IS 13779:1999 (RA 2014) Clause 11.1 IS 14697:1999 (RA 2014) Clause 11.1	40 V to 300 V (P-N) 20 mA to 120 A P.F: (-) UPF to + UPF Frequency : 45 Hz to 65 HZ	
Starting Condition		IS 13779:1999 (RA 2014) Clause 12.14 & 11.5 IS 14697:1999 (RA 2014) Clause 12.13 & 11.5	40 V to 300 V (P-N) 1 mA to 120 A 5 second to 600 second	
No Load Condition		IS 13779:1999 (RA 2014) Clause 12.13 IS 14697:1999 (RA 2014) Clause 12.12	40 V to 300 V (P-N)	
Repeatability of Error		IS 13779:1999 (RA 2014) Clause 12.17 IS 14697:1999 (RA 2014) Clause 12.16	40 V to 300 V (P-N) 20 mA to 120 A	
Power Consumption		IS 13779:1999 (RA 2014) Clause 12.7.1 IS 14697:1999 (RA 2014) Clause 9.1.1	0.2 W to 10 W 30 mV to 300 V (P-N) 2mA to 120 A	

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		Meter Constant	IS 13779:1999 (RA 2014) Clause 12.15 IS 14697:1999 (RA 2014) Clause 12.14	40 V to 300 V (P-N) 20 mA to 120 A

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ELECTRICAL TESTING

AT SITE				
I.	MEASURING EQUIPMENTS-ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS			
1.	AC Static Watthour Meters, Class 1 and 2 & AC Static Transformer Operated Watthour and VAR-Hour Meters. Class 0.2 S, 0.5 S & 1.0 S	Accuracy requirement	IS 15707:2006 (RA 2014) Clause 12.3.2 Permissible errors	40 V to 300 V (P-N) 20 mA to 100 A P.F:(-) UPF to + UPF