

**Laboratory** Genus Power Metering Laboratory, Plot No. 09, Sector-02, Sidcul, BHEL, Ranipur, Haridwar, Uttarakhand

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

**Certificate Number** TC-6090

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**Validity** 03.08.2018 to 02.08.2020

**Last Amended on** 04.10.2019

Sl.	Materials or Products tested	Component, parameter or characteristic tested	Tests or type of tests performed and, where appropriate, methods and/or equipment used
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**ELECTRICAL TESTING**

<b>I. MEASURING INSTRUMENTS</b>			
1.	<b>AC static WATTHOUR &amp; VAR-HOUR meter Class 1.0, 0.5S, 0.2S</b>	AC high voltage	IS 13779:1999 Cl. No.12.7.6.3 IS 14697:1999 Cl. No.12.7.6.3 IS 16444: 2015 (Part 1) Cl. No.6.10.6 IS 16444: 2017 (Part 2) Cl. No.6.10.6 IS 15884: 2010 Cl. No. 5.4.6.3
2.	<b>A.C. Static Direct Connected WATTHOUR Smart Meter Class 1 &amp; 2</b>	Insulation	IS 13779: 1999 Cl. No.12.7.6.4) IS 14697: 1999 Cl. No.12.7.6.4 IS 16444: 2015 (Part 1) Cl. No.6.10.6 IS 16444: 2017 (Part 2) Cl. No.6.10.6 IS 15884: 2010 Cl. No. 5.4.6.4
3.	<b>A.C. Static transformer operated WATTHOUR and VAR-HOUR Smart Meters, Class 0.2S, 0.5S and 1.0S</b>	Limits of error	IS 13779: 1999 Cl. No.11.1 IS 14697: 1999 Cl. No.11.1 IS 16444: 2015 (Part 1) Cl. No.6.12 IS 16444: 2017 (Part 2) Cl. No.6.12 IS 15884: 2010 Cl. No. 4.6.1
4.	<b>ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 &amp; 2)</b>	Starting condition	IS 13779: 1999 Cl. No.12.14 IS 14697: 1999 Cl. No.12.13 IS 16444: 2015 (Part 1) Cl. No.6.12 IS 16444: 2017 (Part 2) Cl. No.6.12 IS 15884: 2010 Cl. No. 5.6.4

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		Meter constant	IS 13779: 1999 Cl. No.12.15 IS 14697: 1999 Cl. No.12.14 IS 16444: 2015 (Part 1) Cl. No.6.12 IS 16444: 2017 (Part 2) Cl. No.6.12 IS 15884: 2010 Cl. No. 5.6.5
		No-load condition	IS 13779: 1999 Cl. No.12.13 IS 14697: 1999 Cl. No.12.12 IS 16444: 2015 (Part 1) Cl. No.6.12 IS 16444: 2017 (Part 2) Cl. No.6.12 IS 15884: 2010 Cl. No. 5.6.3
		Repeatability of error	IS 13779: 1999 Cl. No.12.17 IS 14697: 1999 Cl. No.12.16 IS 16444: 2015 (Part 1) Cl. No.6.12 IS 16444: 2017 (Part 2) Cl. No.6.12 IS 15884: 2010 Cl. No. 5.6.7
		Power consumption	IS 13779: 1999 Cl. No. 12.7.1 IS 14697: 1999 Cl. No.12.7.1 IS 16444: 2015 (Part 1) Cl. No.6.10.1 IS 16444: 2017 (Part 2) Cl. No.6.10.1 IS 15884: 2010 Cl. No. 5.4.1