National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory Name	HI-TECH METER LABORATORY, UGVCL CAMPUS, SABARMATI, AHMEDABAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2281	Page No. :	1 / 2
Validity	24/06/2019 to 23/06/2021	Last Amended on	-

S.No	Discipline / Group	Quantity Measured/ Instrument	Range / Frequency	* Calibration Measurement Capability(±)	Remarks
Permanent Facility					
1	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Current	10 mA to 120 A	0.11%	Using PRS 121.3 Three Phase Electronic Reference Standard, Voltage Power Source PSU 10, Current Power Source PSI 10 by Comparison Method
2	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Current	10 mA to 120 A	0.44% to 0.028%	Using Source with Applied Precision make RS 2330E 3Ø Reference Standard by Comparison Method
3	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy(Active/Reactive)(1 Phase & 3 Phase)	45Hz,40V,0.01A,PF0.25LAG WH/VARH to 65Hz,300V,120A,PF0.25LEAD PF	0.066%	Using PRS 121.3 Three Phase Electronic Reference Standard, Voltage Power Source PSU 10, Current Power Source PSI 10 by Comparison Method
4	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy(Active/Reactive);1 Phase & 3 Phase	45Hz,30V,0.01A,PF0.25LAG WH/VARH to 65Hz,300V,120A,PF0.25LEAD WH/VARH	0.056% to 0.031%	Using Source with Applied Precision make RS 2330E 3Ø Reference Standard by Comparison Method
5	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Power(Active/Reactive) (1 Phase & 3 Phase)	45HZ,40V,0.01A,0.1A, PF0.25LAG WATT/VAR to 65HZ,300V,0.1A,120A, PF0.25LEAD WATT/VAR	0.07%	Using PRS 121.3 Three Phase Electronic Reference Standard, Voltage Power Source PSU 10, Current Power Source PSI 10 by Comparison Method

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S.No	Discipline / Group	Quantity Measured/ Instrument	Range / Frequency	* Calibration Measurement Capability(±)	Remarks
6	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Power(Active/Reactive) ;1 Phase & 3 Phase	45Hz,30V,0.01A,0.3W, PF0.25LAG WATT/VAR to 65Hz,300V,120A,3.6K W,PF0.25LEAD V	0.028% to 0.066%	Using Source with Applied Precision make RS 2330E 3Ø Reference Standard by Comparison Method
7	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Voltage	40 V to 480 V	0.066%	Using PRS 121.3 Three Phase Electronic Reference Standard, Voltage Power Source PSU 10, Current Power Source PSI 10 by Comparison Method
8	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Voltage(3-Ph)	30V(P-N),70V(P-P) VOLT to 300V(P-N),480(P-P) VOLT	0.015% to 0.024%	Using Source with Applied Precision make RS 2330E 3Ø Reference Standard by Comparison Method
9	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	Power Factor	(-)1.0,0DEG,40V,0.1A to (+)1.360DEG,300V,120A	0.01PF	Using PRS 121.3 Three Phase Electronic Reference Standard, Voltage Power Source PSU 10, Current Power Source PSI 10 by Comparison Method
10	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	Power Factor/Phase Angle	0.1(LEAD),30V,0.01A to 0.1(LAG),300V,120A	0.005PF to 0.005	Using Source with Applied Precision make RS 2330E 3Ø Reference Standard by Comparison Method