



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 1 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (1 kHz to 10 kHz)	Using Reference Multimeter 8 ½ By Direct Method	1 A to 10 A	0.08 % to 0.11 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (1 kHz to 10 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	1 mA to 1 A	0.07 % to 0.08 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (1 kHz to 10 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	10 A to 20 A	0.11 % to 0.17 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (1 kHz to 10 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	100 µA to 1 mA	0.48 % to 0.07 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584

Page No

2 of 53

Validity 31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (1 kHz to 10 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	30 µA to 100 µA	0.13 % to 0.48 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	1 A to 10 A	0.047 % to 0.11 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	1 mA to 100 mA	0.04%
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	100 mA to 1 A	0.04 % to 0.047 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	30 µA to 1 mA	0.08 % to 0.04 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

3 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 A to 10 A	0.25 % to 0.37 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mA to 100 mA	1.91 % to 0.16 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 µA to 1 mA	0.37 % to 1.91 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mA to 400 mA	0.16 % to 0.23 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	400 mA to 1 A	0.23 % to 0.25 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

4 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	50 µA to 100 µA	0.44 % to 0.37 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 A to 10 A	0.25 % to 0.37 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mA to 100 mA	0.25 % to 0.23 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 µA to 1 mA	0.37 % to 0.25 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mA to 400 mA	0.23 % to 0.32 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584

Page No

5 of 53

Validity 31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	400 mA to 1 A	0.32 % to 0.25 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	50 µA to 100 µA	0.44 % to 0.37 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Power @ 50Hz, UPF, (10V to 600V), (0.1A to 20A)	Using Power Meter by Direct Method	1 W to 12 kW	0.21 % to 0.12 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Power 50Hz, 0.5PF, (10V to 600V), (0.2A to 20A)	Using Power Meter by Direct Method	1 W to 6 kW	0.21 % to 0.44 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (1 kHz to 100 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	1 V to 10 V	0.11 % to 0.12 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 6 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (1 kHz to 100 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	10 mV to 1 V	0.37 % to 0.11 %
26	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (1 kHz to 100 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	10 V to 100 V	0.12 % to 0.13 %
27	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	1 V to 10 V	0.015%
28	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	10 mV to 100 mV	0.05 % to 0.011 %
29	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45 Hz to 1 kHz)	Using Reference Multimeter 8 ½ DMM By Direct Method	10 V to 100 V	0.015 % to 0.019 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 7 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45 Hz to 1 kHz)	Using Reference Multimeter 8½ DMM By Direct Method	100 mV to 1 V	0.011 % to 0.01 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45 Hz to 1 kHz)	Using Reference Multimeter 8½ DMM By Direct Method	100 V to 1000 V	0.019 % to 0.025 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mV to 10 mV	4.75 % to 0.53 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 V to 100 V	0.11 % to 0.11 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	10 mV to 1 V	0.53 % to 0.10 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 8 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mV to 1 V	0.12 % to 0.11 %
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 V to 1000 V	0.11 % to 0.1 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mV to 10 mV	5.85 % to 0.63 %
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 V to 100 V	0.13 % to 0.11 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	10 mV to 1 V	0.63 % to 0.13 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584

Page No

9 of 53

Validity 31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mV to 1 V	0.12 % to 0.10 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 V to 1000 V	0.11 % to 0.10 %
42	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50Hz	Using High Voltage Probe with DMM by Direct Method	>1000 V to 10 kV	5.82 % to 6.19 %
43	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Power Factor LAG (@ 240V, 2A, 50Hz)	Using Power Meter by Direct Method	0.2 PF to UPF PF	0.0031PF
44	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Power Factor LEAD (@240V, 2A,50Hz)	Using Power Meter by Direct Method	0.2 PF to UPF PF	0.0031PF



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SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

10 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
45	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mA to 10 mA	0.17 % to 0.27 %
46	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 mA to 100 mA	0.27 % to 0.35 %
47	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	100 mA to 1 A	0.35 % to 3.47 %
48	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 5 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 A to 10 A	0.81 % to 0.16 %
49	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (50 Hz to 5 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mA to 10 mA	0.13 % to 0.62 %
50	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (50 Hz to 5 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 A to 20 A	0.16 % to 3.49 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 11 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
51	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (50 Hz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 µA to 300 µA	0.54 % to 0.19 %
52	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5 ½ Multi-Product Calibrator With 50 Turn Current Coil by Direct Method	20 A to 1000 A	3.63 % to 1.31 %
53	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	3 V to 30 V	0.06 % to 0.27 %
54	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 mV to 3 V	0.07%
55	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 V to 3 V	0.07 % to 0.27 %
56	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 mV to 100 mV	0.79 % to 0.46 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 12 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
57	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	100 mV to 300 mV	0.46 % to 0.33 %
58	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	3 V to 30 V	0.27%
59	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	3 mV to 10 mV	2.42 % to 0.34 %
60	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 V to 1000 V	0.10 % to 0.11 %
61	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 V to 100 V	0.27 % to 0.37 %
62	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 mV to 1 V	0.33 % to 0.07 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 13 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
63	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mF to 10 mF	0.67%
64	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 nF to 10 nF	1.78 % to 0.42 %
65	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 mF to 30 mF	0.67 % to 1.0 %
66	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 nF to 30 µF	0.42 % to 0.61 %
67	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	220 pF to 1 nF	6.05 % to 1.78 %
68	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 µF to 300 µF	0.61 % to 0.67 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 14 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
69	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 mF to 100 mF	1.0 % to 1.4 %
70	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 µF to 1 mF	0.67%
71	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	1 µF to 10 µF	0.06 % to 0.064 %
72	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	1 mF to 10 mF	0.089 % to 0.098 %
73	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	1 nF to 100 nF	1.78 % to 0.42 %
74	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	10 µF to 100 µF	0.064 % to 0.082 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 15 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	10 mF to 100 mF	0.098%
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	100 µF to 1 mF	0.082 % to 0.089 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Capacitance	Using Reference Multimeter 8 ½ DMM By Direct Method	100 nF to 1 µF	0.42 % to 0.06 %
78	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	1 µA to 10 µA	0.08 % to 0.01 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 A to 10 A	0.012 % to 0.31 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	1 A to 10 A	0.03 % to 0.033 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 16 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 mA to 100 mA	0.11 % to 0.13 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	10 µA to 100 µA	0.01 % to 0.002 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	10 µA to 100 µA	0.40 % to 0.13 %
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	10 A to 20 A	0.033 % to 0.089 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	10 mA to 100 mA	0.003 % to 0.0082 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 µA to 1 mA	0.13 % to 0.11 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 17 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	100 µA to 10 mA	0.002 % to 0.003 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Reference Multimeter 8 ½ DMM By Direct Method	100 mA to 1 A	0.0082 % to 0.03 %
89	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 mA to 400 mA	0.12%
90	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	400 mA to 1 A	0.12%
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Power (10 V to 1000 V), (0.1 A to 20 A)	Using Power Meter by Direct Method	1 W to 20 kW	0.30 % to 0.26 %
92	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance	Using Reference Multimeter 8 ½ DMM By Direct Method	100 kohm to 1 M ohm	0.0017 % to 0.0016 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

18 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Reference Multimeter 8 ½ DMM By Direct Method	1 M ohm to 10 M ohm	0.0017 % to 0.0036 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	1 M ohm to 10 M ohm	0.059 % to 0.048 %
95	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Reference Multimeter 8 ½ DMM By Direct Method	10 M ohm to 100 M ohm	0.0036 % to 0.026 %
96	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	10 M ohm to 100 M ohm	0.048 % to 0.105 %
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	100 kohm to 1 M ohm	0.013 % to 0.059 %
98	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Reference Multimeter 8 ½ DMM By Direct Method	100 M ohm to 1 G ohm	0.026 % to 0.28 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 19 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	100 M ohm to 1 G ohm	0.93 % to 2.32 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Reference Multimeter 8 ½ DMM By Direct Method	1 kohm to 100 kohm	0.0013 % to 0.0017 %
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	1 kohm to 100 kohm	0.013%
102	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Reference Multimeter 8 ½ DMM By Direct Method	1 ohm to 10 ohm	0.058 % to 0.0059 %
103	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	1 ohm to 10 ohm	0.36 % to 0.048 %
104	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	10 ohm to 1 kohm	0.046 % to 0.013 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 20 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
105	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Reference Multimeter 6 ½ DMM By Direct Method	10 ohm to 1 kohm	0.048 % to 0.013 %
106	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Reference Multimeter 8 ½ DMM By Direct Method	0.1 mV to 1.0 mV	1.5 % to 0.15 %
107	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Reference Multimeter 8 ½ DMM By Direct Method	1 mV to 100 mV	0.15 % to 0.009 %
108	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 mV to 100 mV	0.5 % to 0.015 %
109	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 V to 10 V	0.006%
110	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Reference Multimeter 8 ½ DMM By Direct Method	1 V to 100 V	0.004 % to 0.0006 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 21 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
111	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	10 V to 100 V	0.006 % to 0.009 %
112	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Reference Multimeter 8 ½ DMM By Direct Method	100 mV to 1 V	0.009 % to 0.004 %
113	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 mV to 1 V	0.015 % to 0.006 %
114	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Reference Multimeter 8 ½ DMM By Direct Method	100 V to 1000 V	0.0006%
115	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 V to 1000 V	0.009 % to 0.01 %
116	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using High Voltage Probe with DMM by Direct Method	1000 V to 40 kV	2.35%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 22 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
117	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	1 µA to 100 µA	2.34 % to 0.053 %
118	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	1 A to 10 A	0.081 % to 0.13 %
119	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mA to 3 mA	0.026 % to 0.022 %
120	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	10 A to 20 A	0.13 % to 0.20 %
121	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	100 µA to 300 µA	0.053 % to 0.04 %
122	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator With 50 Turn Current Coil by Direct Method	20 A to 1000 A	2.36 % to 1.12 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 23 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
123	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	3 mA to 300 mA	0.022%
124	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	300 µA to 1 mA	0.04 % to 0.026 %
125	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	300 mA to 1 A	0.022 % to 0.081 %
126	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power @ (10V to 1000V) & (0.1A to 20A)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 W to 20 kW	0.095 % to 0.12 %
127	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	1 M ohm to 3 M ohm	0.018 % to 0.019 %
128	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	100 kohm to 300 kohm	0.013 % to 0.015 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 24 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
129	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	100 M ohm to 1 G ohm	0.58 % to 2.30 %
130	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5½ Multi-Product Calibrator by Direct Method	3 Mohm to 30 Mohm	0.019 % to 0.13 %
131	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	30 M ohm to 100 M ohm	0.13 % to 0.58 %
132	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	300 kohm to 1 M ohm	0.015 % to 0.018 %
133	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	1 kohm to 30 kohm	0.013 % to 0.022 %
134	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	1 ohm to 10 ohm	0.16 % to 0.29 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 25 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
135	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	10 ohm to 30 ohm	0.29 % to 0.021 %
136	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	100 ohm to 300 ohm	0.012 % to 0.011 %
137	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	30 kohm to 100 kohm	0.022 % to 0.013 %
138	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	30 ohm to 100 ohm	0.021 % to 0.012 %
139	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	300 ohm to 1 kohm	0.011 % to 0.013 %
140	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	1 mV to 100 mV	0.36 % to 0.015 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 26 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
141	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	1 V to 3 V	0.011%
142	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	100 mV to 1 V	0.015 % to 0.011 %
143	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	100 V to 1000 V	0.011 % to 0.012 %
144	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	3 V to 100 V	0.11%
145	ELECTRO-TECHNICAL-DIRECT CURRENT (Source, Measure)	DC Current	Using High Power DC Load	1 A to 300 A	2.27 % to 0.095 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 27 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
146	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	B - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	600 °C to 1800 °C	1.08°C
147	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	E - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	- 200 °C to 950 °C	0.88°C
148	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	J - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	- 200 °C to 1200 °C	0.82°C
149	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	K - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	- 200 °C to 1300 °C	0.71°C
150	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	N - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	- 200 °C to 1300 °C	0.66°C
151	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	R - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	0 °C to 1750 °C	0.46°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 28 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
152	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT 100) Type	Using Reference Multimeter 8 ½ DMM By Direct Method	-200 °C to 800 °C	0.04°C
153	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	S - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	0 °C to 1750 °C	0.44°C
154	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	T - Type Thermocouple	Using Reference Multimeter 8 ½ DMM By Direct Method	- 200 °C to 400 °C	0.46°C
155	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Indicator/ Controller / Recorder (RTD 385/ PT100 Type)	Using Digit Precision Multimeter 6 ½ DMM by Direct Method	-200 °C to 600 °C	0.3°C
156	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B-Type Simulation	Using 5 ½ Multi-Product Calibrator By Direct Method	600 °C to 1800 °C	0.51°C
157	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 250 °C to 1000 °C	0.61°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 29 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
158	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J - Type Simulation	Using 5 ½ Multi product Calibrator By Direct Method	- 200 °C to 1200 °C	0.31°C
159	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 200 °C to 1300 °C	0.46°C
160	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 200 °C to 1300 °C	0.46°C
161	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	0 °C to 1750 °C	0.66°C
162	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 200 °C to 400 °C	0.73°C
163	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/ Controller/Recorder/ Calibrator (RTD/ PT100 Type)	Using 5 ½ Multiproduct Calibrator Source Mode by Direct Method	-200 °C to 800 °C	0.26°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 30 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
164	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Digit Precision Multimeter 6 ½ DMM by Measured Mode/Direct Method	10 Hz to 1 MHz	0.08 % to 0.05 %
165	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Reference Multimeter 8 ½ DMM by Measured Mode/Direct Method	10 Hz to 100 MHz	0.06%
166	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	10 Hz to 1 MHz	0.06 % to 1.73 %
167	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure (Digital and Dial Pressure Gauges, Pressure Transmitters)	Using Reference & Digital Pressure Gauge & Hydraulic Pressure Comparator By Comparison Method as per DKD R-6-1	0 bar to 700 bar	0.86 bar
168	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Indicating Device, Pressure Transmitter	Using Digital Pressure Gauge & Hydraulic Pressure Comparator By Comparison Method as per DKD R-6-1	0 bar to 20 bar	0.064bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 31 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
169	THERMAL-TEMPERATURE	Indicator of Liquid baths / Dry well baths / Calibrator temperature controller / Indicator of Ovens & Furnaces (Single position)	Using PRT with Super DAQ Precision Temperature scanner by direct method	(-)95 °C to 140 °C	0.50°C
170	THERMAL-TEMPERATURE	Indicator of Liquid baths / Dry well baths / Calibrator temperature controller / Indicator of Ovens & Furnaces (Single position)	Using PRT with Super DAQ Precision Temperature scanner by direct method	140 °C to 600 °C	1.52°C
171	THERMAL-TEMPERATURE	RTD's / Thermocouple with or without Controller Indicator, Data logger / Recorder, Temperature Gauge	Using PRT Sensor with Super-DAQ Precision Temperature Scanner, DAQ-STAQ Module, DMM & Drywell Calibrator by Comparison method	(-)95 °C to 140 °C	0.11°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 32 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 A to 10 A	0.25 % to 0.37 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mA to 100 mA	1.91 % to 0.16 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 µA to 1 mA	0.37 % to 1.91 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mA to 400 mA	0.16 % to 0.23 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 33 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	400 mA to 1 A	0.23 % to 0.25 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	50 µA to 100 µA	0.44 % to 0.37 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 A to 10 A	0.25 % to 0.37 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mA to 100 mA	0.25 % to 0.23 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 µA to 1 mA	0.37 % to 0.25 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 34 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mA to 400 mA	0.23 % to 0.32 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	400 mA to 1 A	0.32 % to 0.25 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	50 µA to 100 µA	0.44 % to 0.37 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Power @ 50Hz, UPF, (10V to 600V), (0.1A to 20A)	Using Power Meter by Direct Method	1 W to 12 kW	0.21 % to 0.12 %
14	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Power 50Hz, 0.5PF, (10V to 600V), (0.2A to 20A)	Using Power Meter by Direct Method	1 W to 6 kW	0.21 % to 0.44 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 35 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mV to 10 mV	4.75 % to 0.53 %
16	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 V to 100 V	0.11 % to 0.11 %
17	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	10 mV to 1 V	0.53 % to 0.10 %
18	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mV to 1 V	0.12 % to 0.11 %
19	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 1 kHz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 V to 1000 V	0.11 % to 0.1 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

36 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
20	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 mV to 10 mV	5.85 % to 0.63 %
21	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	1 V to 100 V	0.13 % to 0.11 %
22	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	10 mV to 1 V	0.63 % to 0.13 %
23	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 mV to 1 V	0.12 % to 0.10 %
24	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz	Using Precision Multimeter 6 ½ DMM By Direct Method	100 V to 1000 V	0.11 % to 0.10 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 37 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
25	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50Hz	Using High Voltage Probe with DMM by Direct Method	>1000 V to 10 kV	5.82 % to 6.19 %
26	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Power Factor LAG (@ 240V, 2A, 50Hz)	Using Power Meter by Direct Method	0.2 PF to UPF PF	0.0031PF
27	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Power Factor LEAD (@240V, 2A,50Hz)	Using Power Meter by Direct Method	0.2 PF to UPF PF	0.0031PF
28	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mA to 10 mA	0.17 % to 0.27 %
29	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 mA to 100 mA	0.27 % to 0.35 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 38 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
30	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	100 mA to 1 A	0.35 % to 3.47 %
31	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (45 Hz to 5 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 A to 10 A	0.81 % to 0.16 %
32	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (50 Hz to 5 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mA to 10 mA	0.13 % to 0.62 %
33	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (50 Hz to 5 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 A to 20 A	0.16 % to 3.49 %
34	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC current (50 Hz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 µA to 300 µA	0.54 % to 0.19 %
35	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using 5 ½ Multi-Product Calibrator With 50 Turn Current Coil by Direct Method	20 A to 1000 A	3.63 % to 1.31 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 39 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
36	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	3 V to 30 V	0.06 % to 0.27 %
37	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 mV to 3 V	0.07%
38	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 V to 3 V	0.07 % to 0.27 %
39	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 mV to 100 mV	0.79 % to 0.46 %
40	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	100 mV to 300 mV	0.46 % to 0.33 %
41	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage (10 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	3 V to 30 V	0.27%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 40 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
42	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	3 mV to 10 mV	2.42 % to 0.34 %
43	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 10 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 V to 1000 V	0.10 % to 0.11 %
44	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 V to 100 V	0.27 % to 0.37 %
45	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45 Hz to 100 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 mV to 1 V	0.33 % to 0.07 %
46	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mF to 10 mF	0.67%
47	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 nF to 10 nF	1.78 % to 0.42 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 41 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
48	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 mF to 30 mF	0.67 % to 1.0 %
49	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	10 nF to 30 µF	0.42 % to 0.61 %
50	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	220 pF to 1 nF	6.05 % to 1.78 %
51	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 µF to 300 µF	0.61 % to 0.67 %
52	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	30 mF to 100 mF	1.0 % to 1.4 %
53	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using 5 ½ Multi-Product Calibrator by Direct Method	300 µF to 1 mF	0.67%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 42 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 A to 10 A	0.012 % to 0.31 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 mA to 100 mA	0.11 % to 0.13 %
56	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	10 µA to 100 µA	0.40 % to 0.13 %
57	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 µA to 1 mA	0.13 % to 0.11 %
58	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 mA to 400 mA	0.12%
59	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	400 mA to 1 A	0.12%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

43 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
60	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Power (10 V to 1000 V), (0.1 A to 20 A)	Using Power Meter by Direct Method	1 W to 20 kW	0.30 % to 0.26 %
61	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	1 M ohm to 10 M ohm	0.059 % to 0.048 %
62	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	10 M ohm to 100 M ohm	0.048 % to 0.105 %
63	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	100 kohm to 1 M ohm	0.013 % to 0.059 %
64	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 2 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	100 M ohm to 1 G ohm	0.93 % to 2.32 %
65	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	1 kohm to 100 kohm	0.013%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 44 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
66	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	1 ohm to 10 ohm	0.36 % to 0.048 %
67	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Resistance 4 Wire	Using Precision Multimeter 6 ½ DMM By Direct Method	10 ohm to 1 kohm	0.046 % to 0.013 %
68	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 mV to 100 mV	0.5 % to 0.015 %
69	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	1 V to 10 V	0.006%
70	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	10 V to 100 V	0.006 % to 0.009 %
71	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 mV to 1 V	0.015 % to 0.006 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SKYTECHSARAS CALIBRATION LABS PRIVATE LIMITED, BUILDING NO. 1-C/4, GALI NO 39-A, 27 FEET ROAD, MOLARBAND EXTENSION BAADRPUR, NEW DELHI, SOUTH EAST, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 45 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
72	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using Digit Precision Multimeter 6 ½ DMM By Direct Method	100 V to 1000 V	0.009 % to 0.01 %
73	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using High Voltage Probe with DMM by Direct Method	1000 V to 40 kV	2.35%
74	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	1 µA to 100 µA	2.34 % to 0.053 %
75	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	1 A to 10 A	0.081 % to 0.13 %
76	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	1 mA to 3 mA	0.026 % to 0.022 %
77	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	10 A to 20 A	0.13 % to 0.20 %



National Accreditation Board for Testing and Calibration Laboratories

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Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3584

Page No

46 of 53

Validity

31/05/2023 to 30/05/2025

Last Amended on

21/06/2023

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78	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	100 µA to 300 µA	0.053 % to 0.04 %
79	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator With 50 Turn Current Coil by Direct Method	20 A to 1000 A	2.36 % to 1.12 %
80	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	3 mA to 300 mA	0.022%
81	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	300 µA to 1 mA	0.04 % to 0.026 %
82	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using 5 ½ Multi-Product Calibrator by Direct Method	300 mA to 1 A	0.022 % to 0.081 %
83	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power @ (10V to 1000V) & (0.1A to 20A)	Using 5 ½ Multi-Product Calibrator by Direct Method	1 W to 20 kW	0.095 % to 0.12 %



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 47 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
84	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	1 M ohm to 3 M ohm	0.018 % to 0.019 %
85	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	100 kohm to 300 kohm	0.013 % to 0.015 %
86	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	100 M ohm to 1 G ohm	0.58 % to 2.30 %
87	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5½ Multi-Product Calibrator by Direct Method	3 Mohm to 30 Mohm	0.019 % to 0.13 %
88	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	30 M ohm to 100 M ohm	0.13 % to 0.58 %
89	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 2 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	300 kohm to 1 M ohm	0.015 % to 0.018 %



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 48 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

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90	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	1 kohm to 30 kohm	0.013 % to 0.022 %
91	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	1 ohm to 10 ohm	0.16 % to 0.29 %
92	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	10 ohm to 30 ohm	0.29 % to 0.021 %
93	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	100 ohm to 300 ohm	0.012 % to 0.011 %
94	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	30 kohm to 100 kohm	0.022 % to 0.013 %
95	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	30 ohm to 100 ohm	0.021 % to 0.012 %



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 49 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

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96	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Resistance 4 Wire	Using 5 ½ Multi-Product Calibrator by Direct Method	300 ohm to 1 kohm	0.011 % to 0.013 %
97	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	1 mV to 100 mV	0.36 % to 0.015 %
98	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	1 V to 3 V	0.011%
99	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	100 mV to 1 V	0.015 % to 0.011 %
100	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	100 V to 1000 V	0.011 % to 0.012 %
101	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	3 V to 100 V	0.11%



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 50 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

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102	ELECTRO-TECHNICAL-DIRECT CURRENT (Source,Measure)	DC Current	Using High Power DC Load	1 A to 300 A	2.27 % to 0.095 %
103	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature Indicator/ Controller / Recorder (RTD 385/ PT100 Type)	Using Digit Precision Multimeter 6 ½ DMM by Direct Method	-200 °C to 600 °C	0.3°C
104	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	B-Type Simulation	Using 5 ½ Multi-Product Calibrator By Direct Method	600 °C to 1800 °C	0.51°C
105	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	E - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 250 °C to 1000 °C	0.61°C
106	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	J - Type Simulation	Using 5 ½ Multi product Calibrator By Direct Method	- 200 °C to 1200 °C	0.31°C



National Accreditation Board for Testing and Calibration Laboratories

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 51 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

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107	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	K - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 200 °C to 1300 °C	0.46°C
108	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	N - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 200 °C to 1300 °C	0.46°C
109	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	R - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	0 °C to 1750 °C	0.66°C
110	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	T - Type Thermocouple	Using 5 ½ Multi-Product Calibrator By Direct Method	- 200 °C to 400 °C	0.73°C
111	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature Indicator/ Controller/Recorder/ Calibrator (RTD/ PT100 Type)	Using 5 ½ Multiproduct Calibrator Source Mode by Direct Method	-200 °C to 800 °C	0.26°C
112	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Digit Precision Multimeter 6 ½ DMM by Measured Mode/Direct Method	10 Hz to 1 MHz	0.08 % to 0.05 %



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 52 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

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113	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Reference Multimeter 8 ½ DMM by Measured Mode/Direct Method	10 Hz to 100 MHz	0.06%
114	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using 5 ½ Multi-Product Calibrator Source Mode by Direct Method	10 Hz to 1 MHz	0.06 % to 1.73 %
115	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure (Digital and Dial Pressure Gauges, Pressure Transmitters)	Using Reference & Digital Pressure Gauge & Hydraulic Pressure Comparator By Comparison Method as per DKD R-6-1	0 bar to 700 bar	1 bar
116	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure (Digital and Dial Pressure Gauges, Pressure Transmitters)	Using Reference & Digital Pressure Gauge & Hydraulic Pressure Comparator By Comparison Method as per DKD R-6-1	0 bar to 700 bar	0.86 bar
117	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Indicating Device, Pressure Transmitter	Using Digital Pressure Gauge & Hydraulic Pressure Comparator By Comparison Method as per DKD R-6-1	0 bar to 20 bar	0.064bar



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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3584 **Page No** 53 of 53

Validity 31/05/2023 to 30/05/2025 **Last Amended on** 21/06/2023

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118	THERMAL-TEMPERATURE	Indicator of Liquid baths / Dry well baths / Calibrator temperature controller / Indicator of Ovens & Furnaces (Single position)	Using PRT with Super DAQ Precision Temperature scanner by direct method	(-)95 °C to 140 °C	0.50°C
119	THERMAL-TEMPERATURE	Indicator of Liquid baths / Dry well baths / Calibrator temperature controller / Indicator of Ovens & Furnaces (Single position)	Using PRT with Super DAQ Precision Temperature scanner by direct method	140 °C to 600 °C	1.52°C
120	THERMAL-TEMPERATURE	RTD's / Thermocouple with or without Controller Indicator, Data logger / Recorder, Temperature Gauge	Using PRT Sensor with Super-DAQ Precision Temperature Scanner, DAQ-STAQ Module, DMM & Drywell Calibrator by Comparison method	(-)95 °C to 140 °C	0.11°C

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.