



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 1 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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 @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	1 A to 10 A	0.18 % to 0.28 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	100 µA to 1 A	0.56 % to 0.18 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	10 mV to 100 mV	0.67 % to 0.13 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	10 V to 100 V	0.12 % to 0.11 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753

Validity 11/05/2026 to 10/05/2030

Page No 2 of 47

Last Amended on 09/06/2026

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 Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	100 mV to 10 V	0.13 % to 0.12 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	100 V to 1000 V	0.11 % to 0.11 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	2.92 % to 0.76 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 A to 20 A	0.43 % to 0.79 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 µA to 100 mA	0.81 % to 0.37 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

3 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 mA to 1 A	0.37 % to 0.43 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 mV to 100 mV	1.62 % to 0.27 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 V to 1000 V	0.17 % to 0.2 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 mV to 10 V	0.27 % to 0.17 %
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ DMM By Direct Method	1 A to 10 A	0.09 % to 0.21 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ DMM By Direct Method	100 µA to 100 mA	0.13 % to 0.07 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

4 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ DMM By Direct Method	100 mA to 1 A	0.07 % to 0.09 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	1 mV to 100 mV	0.77 % to 0.011 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	10 V to 100 V	0.05 % to 0.05 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	100 mV to 10 V	0.011 % to 0.05 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	100 V to 1000 V	0.05 % to 0.06 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ DMM By Direct Method	10 Mohm to 100 Mohm	0.08 % to 1.13 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753

Validity 11/05/2026 to 10/05/2030

Page No 5 of 47

Last Amended on 09/06/2026

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)(±)
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ DMM By Direct Method	100 kohm to 10 Mohm	0.02 % to 0.08 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ DMM By Direct Method	100 Mohm to 190 Mohm	1.13 % to 2.96 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ DMM By Direct Method	10 ohm to 100 ohm	1.16 % to 0.05 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ DMM By Direct Method	100 ohm to 100 kohm	0.05 % to 0.02 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	1 A to 20 A	0.2 % to 0.7 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 µA to 100 mA	0.16 % to 0.11 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753

Validity 11/05/2026 to 10/05/2030

Page No 6 of 47

Last Amended on 09/06/2026

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)(±)
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 mA to 1 A	0.11 % to 0.2 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	2.94 % to 0.64 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 100 mV	1.35 % to 0.024 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	10 V to 1000 V	0.015 % to 0.02 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	100 mV to 10 V	0.024 % to 0.015 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	1 Mohm	0.09 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 7 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	1.9 Mohm	0.06 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	10 Mohm	0.12 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	100 Mohm	0.59 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	19 Mohm	0.18 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	190 kohm	0.53 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	190 Mohm	1.16 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

8 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 kohm	0.08 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 ohm	4.52 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1.9 kohm	0.05 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1.9 ohm	1.56 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 kohm	0.12 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 ohm	0.45 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 9 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	100 kohm	0.42 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	100 ohm	0.05 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	19 kohm	0.06 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	19 ohm	0.24 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	190 ohm	0.05 %
51	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ DMM By Direct Method	50 Hz to 500 Hz	0.07 % to 0.07 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753

Validity 11/05/2026 to 10/05/2030

Page No 10 of 47

Last Amended on 09/06/2026

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)(±)
52	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ DMM By Direct Method	500 Hz to 1000 Hz	0.07 %
53	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	10 s to 3600 s	0.62 s to 2.51 s
54	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	3600 s to 86400 s	2.51 s to 58.74 s
55	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Contact Type)	Using Digital Tachometer by Direct Method	>100 rpm to 1000 rpm	4.5 rpm
56	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Contact Type)	Using Digital Tachometer by Direct Method	>1000 rpm to 6000 rpm	11.41 rpm
57	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Contact Type)	Using Digital Tachometer by Direct Method	10 rpm to 100 rpm	1.71 rpm
58	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	>100 rpm to 1000 rpm	4.2 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753

Validity 11/05/2026 to 10/05/2030

Page No 11 of 47

Last Amended on 09/06/2026

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)(±)
59	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	>1000 rpm to 10000 rpm	5.92 rpm
60	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	>10000 rpm to 25000 rpm	10.6 rpm
61	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	10 rpm to 100 rpm	1.70 rpm
62	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>100 rpm to 1000 rpm	6.1 rpm
63	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>1000 rpm to 6000 rpm	12.1 rpm
64	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	10 rpm to 100 rpm	1.71 rpm
65	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>100 rpm to 1000 rpm	5.8 rpm
66	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>1000 rpm to 10000 rpm	7.3 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 12 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
67	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	10 rpm to 100 rpm	1.71 rpm
68	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	10000 rpm to 25000 rpm	32.2 rpm
69	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound level Calibrator by Direct Method	114 dB	0.98 dB
70	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound level Calibrator by Direct Method	94 dB	0.98 dB
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	3 Jaw Micrometer, 3 Point Micrometer, L.C. 0.001 mm	Using Master Setting Ring Gauge Set by Comparison Method	6 mm to 200 mm	0.0046 mm
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Angle Protractor, Degree Protractor L.C. 1 °	Using Angle Gauge Set By Comparison Method	0 ° to 180 °	6.93 minute of arc



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

13 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
73	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor, L.C. 1 minute of arc	Using Angle Gauge Set By Comparison Method	0 ° to 90 °	46.5 second of arc
74	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Clinometer, Inclinator L.C. 0.01 °	Using Angle Gauge Set by Comparison Method	0 ° to 90 °	20.66 second of arc
75	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Foil	Using Electronic Probe With DRO, and Comparator Stand by Comparison Method	Up to 2 mm	0.0016 mm
76	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Coating Thickness Meter, DFT Meter	Using Master Foils By Comparison Method	11 µm to 2000 µm	0.0022 mm
77	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Combination Set, L.C. 1 °	Using Angle Gauge Set By Comparison Method	0 ° to 180 °	6.93 minute of arc



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 14 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
78	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Comparator Stand (Flatness)	Using Electronic Probe With DRO, and Surface Plate by Comparison Method	300 mm x 300 mm	0.0025 mm
79	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Micrometer (Plain, Digital) L. C. 0.001 mm	Using Mike Check Set, Long Slip Gauge, Slip Gauge Set and Surface Plate by Comparison Method	0 to 300 mm	0.0016 mm
80	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Vernier Caliper / Depth Gauge (Plain, Dial, Digital), L.C. 0.01 mm	Using Long Slips, Slip Gauge Set, Caliper Checker and Surface plate by Comparison Method	0 to 1000 mm	0.012 mm
81	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Bore Gauge (Transmission Mechanism)	Using Electronic Dial Calibration Tester, Electronic Probe with DRO by Direct Method	Up to 2 mm	0.0027 mm
82	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Snap Gauge	Using Slip Gauge Set by Comparison method	5 mm to 300 mm	0.0029 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 15 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
83	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge, L.C. 0.001 mm	Using Slip Gauge Set by Comparison Method	0 to 25 mm	0.0008 mm
84	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic Level, Spirit Level/ Frame Level (L.C.: 0.001mm/m & Coarser)	Using Electronic Probe with DRO and Tilting Table by Comparison Method	0 to 2 mm/m	0.0028 mm/m
85	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Parallel (Parallelism)	Using Electronic Probe with DRO, and Surface Plate by Comparison Method	Up to 400 mm	0.0028 mm
86	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Parallel (Thickness)	Using Electronic Probe with DRO, and Surface Plate by Comparison Method	Up to 400 mm	0.0028 mm
87	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Parallel (Width)	Using Electronic Probe with DRO, and Surface Plate by Comparison Method	Up to 400 mm	0.0028 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 16 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
88	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Parallelism)	Using Surface Plate, Electronic Probe with DRO and Master Engineer's Square by Comparison Method	300 mm to 200 mm	0.0101 mm
89	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Engineer's Square (Squareness)	Using Surface Plate and Master Engineer's Square by Comparison Method	300 mm to 200 mm	0.0115 mm
90	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (All Types) L.C. 0.001 mm	Using Mike Check Set, Long Slip Gauge and Slip Gauge Set by Comparison Method	100 mm to 500 mm	0.0027 mm
91	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (All Types) L.C. 0.001 mm	Using Mike Check Set, Long Slip Gauge and Slip Gauge Set by Comparison Method	1000 mm to 1200 mm	0.006 mm
92	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (All Types) L.C. 0.001 mm	Using Mike Check Set, Long Slip Gauge and Slip Gauge Set by Comparison Method	500 mm to 1000 mm	0.006 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 17 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (All types), L.C. 0.001 mm	Using Mike Check Set and Slip Gauge Set by Comparison Method	0 to 100 mm	0.0009 mm
94	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Feeler Gauge	Using Electronic Probe With DRO, and Comparator Stand By Comparison Method	0.01 mm to 2 mm	0.0016 mm
95	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Groove Micrometer, L.C. 0.01 mm	Using Mike Check Set and Slip Gauge Set by Comparison Method	Up to 100 mm	0.0029 mm
96	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Groove Caliper, 2 Pin Dial, L.C. 0.01 mm	Using Slip Gauge Set by Comparison Method	5 mm to 155 mm	0.0012 mm
97	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Micrometer (Head Travel) (Plain, Digital), L.C. 0.001 mm	Using Electronic Probe with DRO, Slip Gauge Set by Comparison Method	0 to 25 mm	0.002 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 18 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
98	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Inside Micrometer (With Extension), (Plain, Digital)L.C. 0.001 mm	Using Electronic Probe With DRO, Slip Gauge Set, Long Slips and Surface Plate By Comparison Method	Up to 1000 mm	0.0051 mm
99	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge, L.C. 0.001 mm	Using Electronic Dial Calibration Tester by Direct Method	0 to 0.14 mm	0.0026 mm
100	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge, L.C. 0.002 mm	Using Electronic Dial Calibration Tester by Direct Method	0 to 0.2 mm	0.0026 mm
101	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauge, L.C. 0.01 mm	Using Electronic Dial Calibration Tester by Direct Method	0 to 1 mm	0.003 mm
102	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Pin	Using Electronic Probe With DRO, and Comparator Stand By Comparison Method	0.5 mm to 20 mm	0.0015 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 19 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
103	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Scale, L.C. 1 mm	Using Tape and Scale Calibrator by Comparison Method	0 to 1000 mm	116.3 µm
104	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Steel Tape, Woven Metallic Tape L.C. 1 mm	Using Tape and Scale Calibrator by Comparison Method	0 to 5000 mm	118.9 * Sqrt(L/1000) µm, where L is in mm
105	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Measuring Steel Tape, Woven Metallic Tape, L.C. 1 mm	Using Tape and Scale Calibrator by Comparison Method	0 m to 50 m	277.5 * Sqrt(L/1000) µm , where L is in mm
106	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Head (Plain, Digital), L.C. 0.001 mm	Using Length Measuring Machine by Comparison Method	0 to 50 mm	0.0023 mm
107	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Electronic Probe with DRO, Slip Gauge Set, Long Slips and Surface Plate by Comparison Method	100 mm to 500 mm	0.0035 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 20 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
108	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Electronic Probe With DRO, Slip Gauge Set and Surface Plate by Comparison Method	25 mm to 100 mm	0.0016 mm
109	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Standard	Using Electronic Probe with DRO, Slip Gauge Set, Long Slips and Surface Plate by Comparison Method	500 mm to 1175 mm	0.0068 mm
110	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pie Tape, L.C. 1 mm	Using Tape and Scale Calibrator by Comparison Method	0 to 3600 mm	$118.6 * \text{Sqrt}(L/1000)$ μm , where L is in mm
111	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Pistol Caliper, L.C. 0.05 mm	Using Slip Gauge Set By Comparison method	0 to 50 mm	0.0425 mm
112	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	1 mm to 100 mm	0.0016 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 21 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
113	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	100 mm to 300 mm	0.003 mm
114	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauge	Using Length Measuring Machine and Master Ring Gauge by Direct Method	300 mm to 400 mm	0.0037 mm
115	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plug Gauge, Paddle Gauge, OD Master, Height Block	Using Electronic Probe With DRO, Slip Gauge Set and Surface Plate by Comparison Method	100 mm to 500 mm	0.0035 mm
116	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plug Gauge, Width Gauge, OD master, Height Block	Using Electronic Probe with DRO, Slip Gauge Set and Surface Plate by Comparison Method	0 to 100 mm	0.0016 mm
117	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge, L.C. 0.001 mm	Using Electronic Dial Calibration Tester by Direct Method	0 to 5 mm	0.0026 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

22 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
118	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge, L.C. 0.001 mm	Using Length Measuring Machine by Direct Method	0 to 50 mm	0.0008 mm
119	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge, L.C. 0.01 mm	Using Length Measuring Machine by Direct Method	0 to 100 mm	0.0014 mm
120	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge, L.C. 0.01 mm	Using Electronic Dial Calibration Tester by Direct Method	0 to 25 mm	0.0029 mm
121	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Radius Gauge	Using Profile Projector by Comparison Method	0.5 mm to 25 mm	0.0131 mm
122	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Slip Gauge Set by Comparison Method	0 to 100 mm	0.0008 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 23 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Slip Gauge Set and long Slip Gauges by Comparison Method	100 mm to 500 mm	0.0033 mm
124	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	Using Precision Spirit Level By Direct Method	Up to 3000 mm x 3000 mm	1.3 * $\text{Sqrt}((L+W)/150) \mu\text{m}$ where (L & W are in mm)
125	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Roughness Tester (Ra Values)	Using 3 Reference Surface Roughness Specimen by Comparison Method	0 μm to 6.4 μm	9.46 %
126	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tape and Scale Calibrator, L.C. 0.001 mm	Using Long Slips and Slip Gauge Set By comparison Method	0 to 1000 mm	0.0059 mm
127	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plug Gauge (Angle)	Using Length Measuring Machine and Slip Gauge by Comparison Method	100 mm to 300 mm	8.29 second of arc



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 24 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
128	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plug Gauge (Angle)	Using Length Measuring Machine and Slip Gauge by Comparison Method	5 mm to 100 mm	5.43 second of arc
129	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plug Gauge (Diameter)	Using Length Measuring Machine and Slip Gauge by Comparison Method	100 mm to 300 mm	0.002 mm
130	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plug Gauge (Diameter)	Using Length Measuring Machine and Slip Gauge by Comparison Method	5 mm to 100 mm	0.0013 mm
131	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Ring Gauge (Angle)	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	5 mm to 100 mm	105 second of arc
132	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Ring Gauge (Diameter)	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	5 mm to 100 mm	0.0016 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 25 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
133	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge (Effective Diameter at Gauge Plain Height)	Using Length Measuring Machine and Thread Measuring Wire Set by Comparison Method	100 mm to 300 mm	0.0024 mm
134	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge (Effective Diameter at Gauge Plain Height)	Using Length Measuring Machine and Thread Measuring Wire Set by Comparison Method	5 mm to 100 mm	0.0013 mm
135	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Ring Gauge (Effective Diameter at Gauge Plain Height)	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	5 mm to 100 mm	0.0018 mm
136	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Measuring Wire Set	Using Length Measuring Machine by Direct Method	0.175 mm to 6.35 mm	0.0006 mm
137	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge (Angle)	Using Profile Projector by Comparison Method	Up to 60 °	3.44 minute of arc



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 26 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
138	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Pitch Gauge (Length)	Using Profile Projector by Comparison Method	Up to 8 mm	0.0131 mm
139	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge, Wear Check Plug (Effective Diameter)	Using Length Measuring Machine, Long Slips and Thread Measuring Wire Set by Comparison Method	100 mm to 300 mm	0.0024 mm
140	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge, Wear Check Plug (Effective Diameter)	Using Length Measuring Machine and Thread Measuring Wire Set by Comparison Method	2 mm to 100 mm	0.0013 mm
141	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge, Wear Check Plug (Effective Diameter)	Using Length Measuring Machine and Thread Measuring Wire Set by Comparison Method	300 mm to 400 mm	0.003 mm
142	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge (Effective Diameter)	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	100 mm to 300 mm	0.0032 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 27 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
143	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge (Effective Diameter)	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	2 mm to 100 mm	0.0016 mm
144	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge (Effective diameter)	Using Length Measuring Machine and Master Ring Gauge by Comparison Method	300 mm to 400 mm	0.0041 mm
145	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Ultrasonic Thickness Gauge, L.C. 0.01 mm	Using Long Slips and Slip Gauge Set By Comparison Method	0 to 400 mm	0.0492 mm
146	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Parallelism)	Using Surface Plate, Electronic Probe with DRO and Plain Mandrel by Comparison Method	300 mm to 300 mm	0.0041 mm
147	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Squareness)	Using Surface Plate and Engineer's Square Comparison Method	300 mm to 300 mm	0.0101 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 28 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
148	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V Block (Symetricity)	Using Surface Plate, Electronic Probe with DRO and Plain Mandrel by Comparison Method	300 mm to 300 mm	0.0041 mm
149	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	V-Anvil Micrometer L.C. 0.001 mm	Using Pin Gauge Set By Comparison Method	0 to 100 mm	0.0035 mm
150	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Caliper (Plain, Dial, Digital), L.C. 0.01 mm	Using Caliper Checker by Comparison Method	0 to 1000 mm	0.016 mm
151	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Vernier Height Gauge (Plain, Dial, Digital), L.C. 0.01 mm	Using Caliper Checker, Surface Plate by Comparison Method	0 to 1000 mm	0.0123 mm
152	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Width Gauge	Using Electronic Probe With DRO, and Comparator Stand by Comparison Method	0 to 20 mm	0.0015 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 29 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
153	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge, L.C. 0.0001 mm, (Length)	Using Long Slip and Slip Gauge Set by Comparison Method	0 to 600 mm	0.0058 mm
154	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge, L.C. 0.0001 mm, (Squareness)	Using Cylindrical Square and Lever Type Dial Gauge by Comparison Method	0 to 600 mm	0.0096 mm
155	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Dial Calibration Tester, L.C. 0.001 mm	Using Electronic Probe with DRO By Comparison Method	0 to 25 mm	0.0014 mm
156	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Dial Calibration Tester, L.C. 0.0001 mm	Using Electronic Probe with DRO by Comparison Method	0 to 25 mm	0.0014 mm
157	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Electronic Probe L.C. 0.0001 mm	Using Slip Gauge Set by Comparison Method	0 to 25 mm	0.0007 mm
158	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Bar	Using Length Measuring Machine, and Long Slips by Comparison Method	0 to 200 mm	0.0012 mm
159	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Length Bar	Using Length Measuring Machine, and Long Slips by Comparison Method	200 mm to 500 mm	0.0032 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 30 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
160	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Analogue, Digital), Pressure Transducer, Pressure Transmitter, Pressure Switch	Using Digital Pressure Gauge with Hydraulic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-1	0 bar to 700 bar	0.36 bar
161	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Analogue, Digital), Pressure Transducer, Pressure Transmitter, Pressure Switch (Hydraulic)	Using Digital Pressure Gauge with Hydraulic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-1	0 bar to 1000 bar	0.58 bar
162	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Analogue, Digital), Pressure Transducer, Pressure Transmitter, Pressure Switch (Pneumatic)	Using Digital Pressure Gauge with Pneumatic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-1	0 bar to 40 bar	0.047 bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 31 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
163	MECHANICAL-PRESSURE INDICATING DEVICES	Vaccum Gauge (Analogue, Digital), Vacuum Transmitter, Vacuum Switch	Using Digital Pressure Gauge with Pneumatic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-2	(-) 0.85 bar to 0 bar	0.0055 bar
164	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I Class A, B, C) & Type II Class (A, B, C, F, G)	Using Digital Torque Calibration System with Torque Transducers per ISO 6789-2017 (Part I & II)	100 Nm to 1000 Nm	1.87 %
165	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I Class A, B, C, D, E,) & Type II Class (A, B, C, D, E, F, G)	Using Digital Torque Calibration System with Torque Transducers per ISO 6789-2017 (Part I & II)	1 Nm to 10 Nm	1.8 %
166	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench (Type I Class A, B, C, D, E,) & Type II Class (A, B, C, D, E, F, G)	Using Digital Torque Calibration System with Torque Transducers per ISO 6789-2017 (Part I & II)	10 Nm to 100 Nm	1.8 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 32 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
167	THERMAL-TEMPERATURE	Non contact Thermometer, Infra Red Thermometer, Pyrometer	Using Master IR Thermometer with Black Body Source @ Emmisivity 0.95 by Comparison Method	50 ° C to 500 ° C	2.75 ° C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 33 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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 @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	1 A to 10 A	0.18 % to 0.28 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	100 µA to 1 A	0.56 % to 0.18 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	10 mV to 100 mV	0.67 % to 0.13 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	10 V to 100 V	0.12 % to 0.11 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 34 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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 Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	100 mV to 10 V	0.13 % to 0.12 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage @ 50 Hz to 1 kHz	Using 6½ DMM By Direct Method	100 V to 1000 V	0.11 % to 0.11 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	2.92 % to 0.76 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	1 A to 20 A	0.43 % to 0.79 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 µA to 100 mA	0.81 % to 0.37 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

35 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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) (Source)	AC Current @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 mA to 1 A	0.37 % to 0.43 %
11	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 mV to 100 mV	1.62 % to 0.27 %
12	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	10 V to 1000 V	0.17 % to 0.2 %
13	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC Voltage @ 50 Hz to 1 kHz	Using Multiproduct Calibrator by Direct Method	100 mV to 10 V	0.27 % to 0.17 %
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ DMM By Direct Method	1 A to 10 A	0.09 % to 0.21 %
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ DMM By Direct Method	100 µA to 100 mA	0.13 % to 0.07 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

36 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ DMM By Direct Method	100 mA to 1 A	0.07 % to 0.09 %
17	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	1 mV to 100 mV	0.77 % to 0.011 %
18	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	10 V to 100 V	0.05 % to 0.05 %
19	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	100 mV to 10 V	0.011 % to 0.05 %
20	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ DMM By Direct Method	100 V to 1000 V	0.05 % to 0.06 %
21	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ DMM By Direct Method	10 Mohm to 100 Mohm	0.08 % to 1.13 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

37 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
22	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ DMM By Direct Method	100 kohm to 10 Mohm	0.02 % to 0.08 %
23	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (2 Wire)	Using 6½ DMM By Direct Method	100 Mohm to 190 Mohm	1.13 % to 2.96 %
24	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ DMM By Direct Method	10 ohm to 100 ohm	1.16 % to 0.05 %
25	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ DMM By Direct Method	100 ohm to 100 kohm	0.05 % to 0.02 %
26	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	1 A to 20 A	0.2 % to 0.7 %
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 µA to 100 mA	0.16 % to 0.11 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

38 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator by Direct Method	100 mA to 1 A	0.11 % to 0.2 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multiproduct Calibrator with Current Coil by Direct Method	20 A to 1000 A	2.94 % to 0.64 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	1 mV to 100 mV	1.35 % to 0.024 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	10 V to 1000 V	0.015 % to 0.02 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multiproduct Calibrator by Direct Method	100 mV to 10 V	0.024 % to 0.015 %
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	1 Mohm	0.09 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 39 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	1.9 Mohm	0.06 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	10 Mohm	0.12 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	100 Mohm	0.59 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	19 Mohm	0.18 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	190 kohm	0.53 %
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Multiproduct Calibrator by Direct Method	190 Mohm	1.16 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 40 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 kohm	0.08 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1 ohm	4.52 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1.9 kohm	0.05 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	1.9 ohm	1.56 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 kohm	0.12 %
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	10 ohm	0.45 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

41 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	100 kohm	0.42 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	100 ohm	0.05 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	19 kohm	0.06 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	19 ohm	0.24 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (4 Wire)	Using Multiproduct Calibrator by Direct Method	190 ohm	0.05 %
51	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ DMM By Direct Method	50 Hz to 500 Hz	0.07 % to 0.07 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLC0626MH04753

Page No

42 of 47

Validity

11/05/2026 to 10/05/2030

Last Amended on

09/06/2026

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)(±)
52	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using 6½ DMM By Direct Method	500 Hz to 1000 Hz	0.07 %
53	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	10 s to 3600 s	0.62 s to 2.51 s
54	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Time	Using Digital Time Calibrator by Comparison Method	3600 s to 86400 s	2.51 s to 58.74 s
55	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Contact Type)	Using Digital Tachometer by Direct Method	>100 rpm to 1000 rpm	4.5 rpm
56	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Contact Type)	Using Digital Tachometer by Direct Method	>1000 rpm to 6000 rpm	11.41 rpm
57	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Contact Type)	Using Digital Tachometer by Direct Method	10 rpm to 100 rpm	1.71 rpm
58	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	>100 rpm to 1000 rpm	4.2 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 43 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
59	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	>1000 rpm to 10000 rpm	5.92 rpm
60	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	>10000 rpm to 25000 rpm	10.6 rpm
61	MECHANICAL-ACCELERATION AND SPEED	RPM Generator (Non-Contact Type)	Using Digital Tachometer by Direct Method	10 rpm to 100 rpm	1.70 rpm
62	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>100 rpm to 1000 rpm	6.1 rpm
63	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>1000 rpm to 6000 rpm	12.1 rpm
64	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	10 rpm to 100 rpm	1.71 rpm
65	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>100 rpm to 1000 rpm	5.8 rpm
66	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	>1000 rpm to 10000 rpm	7.3 rpm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 44 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
67	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	10 rpm to 100 rpm	1.71 rpm
68	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non-Contact Type)	Using Digital Tachometer with RPM Generator by Comparison Method	10000 rpm to 25000 rpm	32.2 rpm
69	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound level Calibrator by Direct Method	114 dB	0.98 dB
70	MECHANICAL-ACOUSTICS	Sound Level Meter @ 1 kHz	Using Sound level Calibrator by Direct Method	94 dB	0.98 dB
71	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Plate	Using Precision Spirit Level By Direct Method	Up to 3000 mm x 3000 mm	1.3 * $\text{Sqrt}((L+W)/150) \mu\text{m}$ where (L & W are in mm)
72	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Tape and Scale Calibrator, L.C. 0.001 mm	Using Long Slips and Slip Gauge Set By comparison Method	0 to 1000 mm	0.0059 mm
73	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge, L.C. 0.0001 mm (Length)	Using Long Slip and Slip Gauge Set By Comparison Method	0 to 600 mm	0.0072 mm



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 45 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
74	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	2D Electronic Height Gauge, L.C. 0.0001 mm, (Squareness)	Using Cylindrical Square and Lever Type Dial Gauge by Comparison Method	0 to 600 mm	0.0104 mm
75	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Angular Scale L.C. 1 minute of arc	Using Angle Gauge Set By Comparison Method	0 ° to 360 °	46.46 second of arc
76	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Linear X,Y Axis, L.C. 0.001 mm	Using Glass Scale By Comparison Method	0 to 200 mm	0.0061 mm
77	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Profile Projector, Magnification	Using Slip Gauge Set and Digital Vernier Caliper by Comparison Method	10 X to 100 X	1.19 %
78	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	Single Axis Measuring Machine, L.C. 0.0001 mm	Using Slip Gauge Set by Comparison Method	0 to 100 mm	0.0009 mm
79	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Analogue, Digital), Pressure Transducer, Pressure Transmitter, Pressure Switch	Using Digital Pressure Gauge with Hydraulic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-1	0 bar to 700 bar	0.36 bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 46 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
80	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Analogue, Digital), Pressure Transducer, Pressure Transmitter, Pressure Switch (Hydraulic)	Using Digital Pressure Gauge with Hydraulic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-1	0 bar to 1000 bar	0.58 bar
81	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge (Analogue, Digital), Pressure Transducer, Pressure Transmitter, Pressure Switch (Pneumatic)	Using Digital Pressure Gauge with Pneumatic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-1	0 bar to 40 bar	0.047 bar
82	MECHANICAL-PRESSURE INDICATING DEVICES	Vaccum Gauge (Analogue, Digital), Vacuum Transmitter, Vacuum Switch	Using Digital Pressure Gauge with Pneumatic Test Pump and 6½ DMM for Transducer, Transmitter and Switch by Comparison Method as per DKD-R6-2	(-) 0.85 bar to 0 bar	0.0055 bar



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWAPTUL ENTERPRISES PRIVATE LIMITED, FLAT NO. 4, VIHAR APARTMENT,
YASHAWANT NAGAR, TELCO ROAD, PUNE, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number NABLC0626MH04753 **Page No** 47 of 47

Validity 11/05/2026 to 10/05/2030 **Last Amended on** 09/06/2026

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)(±)
83	THERMAL-TEMPERATURE	Non contact Thermometer, Infra Red Thermometer, Pyrometer	Using Master IR Thermometer with Black Body Source @ Emmisivity 0.95 by Comparison Method	50 ° C to 500 ° C	2.75 ° C

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