



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

Instrumentation Engineering Services Ltd.

Building: 296/A (Unit: D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206.

This is to certify that this
Calibration Laboratory

is accredited in accordance with the international standard
ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : 02.005.15
Accreditation Date : 25 October 2015
Date of Issuance : 23 January 2025 (3rd Renewal)
Date of Expiration : 24 October 2027



[Signature]
23.01.2025
Md. Anwarul Alam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

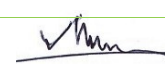
Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
Field: Thermal				
1.	Temperature Sensor/ Temperature Sensor with Transmitter (RTD/Thermocouple) with/without Indicator (Lab & On site)	IESL CP-01	-40~155 °C 35~660 °C	± 0.063 °C ± 0.092 °C
2.	Liquid in Glass Thermometer (Lab)	IESL CP-20	-10~150 °C	± 0.63 °C
3.	Pyrometer/IR Thermometer (Lab)	IESL CP-96	-40~300 °C 300~1200 °C	± 2.17 °C ± 4.61 °C
4.	Temperature & Humidity Sensor or logger/ Temperature & Humidity Sensor with Transmitter with/without Indicator (Dial/Digital) (Lab & Onsite)	IESL CP-19	5~95% -40~70 °C	1.11% 0.41 °C
5.	Temperature Chamber (Lab & On site)	IESL CP-22	-40~140 °C (Autoclave, Incubator, Freezer, Refrigerator, Dry Block) -20~70 °C (Temperature Chamber, Humidity Chamber, Environmental /Climatic Humidity Chamber) 0~1200 °C (Oven, Muffle Furnace, Dry Block)	± 0.44 °C ± 0.28 °C ± 1.4 °C


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
Field: Mechanical				
6.	Mass Weights (Lab)	IESL CP-08	1 mg	±0.0062mg
			2 mg	±0.0063mg
			5 mg	±0.0063mg
			10 mg	±0.0082mg
			20 mg	±0.0082mg
			50 mg	±0.0093mg
			100 mg	±0.0083mg
			200 mg	±0.009mg
			500 mg	±0.01mg
			1 g	±0.0097mg
			2 g	±0.011mg
			5 g	±0.012mg
			10 g	±0.013mg
			20 g	±0.016mg
			50 g	±0.019mg
			100 g	±0.028mg
			200 g	±0.048mg
			500 g	±0.83mg
			1 kg	±0.9mg
			2 kg	±1.4mg
			5 kg	±3.2mg
			10 kg	±5.2mg
			20 kg	±11mg



Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			50 kg	±82mg
7.	Balance (Lab & On site)	IESL CP-09	0 to 220g Readability ≥0.01 mg	± 0.000106g
			0 to 1.2kg Readability =0.01 g	± 0.131g
			0 to 1.2kg Readability ≥1 g	± 0.636g
			0 to 100kg Readability ≥1 g	± 5.22g
			0 to 500kg Readability ≥1 g	± 202.1 g
			0 to 2000kg Readability ≥1 g	± 251.5 g
8.	Laboratory glass and plastic ware - Volumetric instruments (Lab)	IESL CP-12	1ml~20ml	±0.011ml
			200ml	±0.021ml
			500ml	±0.043ml
			2000ml	±0.040ml
			5000ml	±0.087ml
			20000ml	±0.859ml
9.	Pressure Gauge & Transmitter (Lab & On site)	IESL CP-02	0~140 bar (Pneumatic)	± 0.027 %
			0 ~700 bar (Hydraulic)	± 0.027 %
10.	Manometer, Differential Pressure Gauge	IESL CP-107	-3000 ~ 3000 Pa	± 1.77 Pa


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

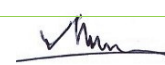
Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
(Lab & On site)				
11.	Vacuum Gauge/ Transmitter with/without indicator (Lab & On site)	IESL CP-108	-0.96 ~ 0 bar	± 0.009 bar
12.	Time Measuring Instruments/ Stopwatch (Lab)	IESL CP-13	1~60 s	± 0.03s
			60s~600 s	± 0.05s
			600s~1800 s	± 0.12s
			1800s~3600 s	± 0.22s
			3600s~7200 s	± 0.42s
			7200s~36000s	± 3.65s
			36000s~86400 s	± 5.82s
13.	Timer of Machine (Lab & On site)	IESL CP-30	1~60 s	± 0.03s
			60s~600 s	± 0.05s
			600s~1800 s	± 0.12s
			1800s~3600 s	± 0.22s
			3600s~7200 s	± 0.42s
			7200s~36000s	± 3.65s
			36000s~86400 s	± 5.82s
14.	RPM Measuring instruments/ tachometer (Lab & On site)	IESL CP-102	Contact: 10~10000 rpm	
			10~20 rpm	± 1.09 rpm
			20~700 rpm	± 1.60 rpm
			700 ~2000 rpm	± 4.61 rpm
			2000 ~10000 rpm	± 4.62 rpm
			Non-contact:	


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

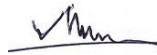
Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			10~90000 rpm	
			10 ~ 20 rpm	± 1.09 rpm
			20~1000 rpm	± 1.29 rpm
			1000 ~ 10000 rpm	± 4.39 rpm
			10000~90000 rpm	± 22.62 rpm
15.	RPM and Speed Source (Lab & On site)	IESL CP-25	Contact: 10~10000 rpm	
			10~20 rpm	± 1.53 rpm
			20~700 rpm	± 2.6 rpm
			700 ~2000 rpm	± 5.45 rpm
			2000 ~10000 rpm	± 7.94 rpm
			Non-contact: 10~90000 rpm	
			10 ~ 20 rpm	± 1.50 rpm
			20~1000 rpm	± 2.76 rpm
			1000 ~ 15000 rpm	± 6.18 rpm
			15000~90000 rpm	± 25.74 rpm
16.	Torque Wrench (Lab)	IESL CP-41	50.00 ~ 150 Nm	± 0.63 Nm
			150.00 ~ 500.00 Nm	± 0.72 Nm
17.	Universal Tensile/ Compression Testing Machine (On Site)	IESL CP-94	0 ~ 2000 KN	± 0.80 %
18.	Force Gauge / Load Cell (Lab & On site)	IESL CP-43	0 ~ 2000 Kg (0 ~ 20 KN)	± 0.92%
19.	Liquid Flow Meter (On site)	IESL CP -14	0 ~ 45 m3/h	± 0.40%


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15


Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
	Liquid Flow Meter (Lab)		1 ~ 13 m ³ /h	± 0.40%
20.	Bevel Protector/ Angle Gauge (Lab & On site)	IESL CP -93	(0 to 90) ° x 4	±0.11 °
21.	Sound Level Meter (Lab)	IESL CP-28	94 dB	±0.65 dB
			114 dB	±0.65 dB
22.	Light Meter (Lab)	IESL CP-24	5 to 18000 lux	± 2.74 %
23.	Lux Source Calibration (On Site)	IESL CP-104	5 to 18000 lux	± 2.74 %
Field: Mechanical (Length)				
24.	Measuring Tape (Lab)	IESL CP-03	Up to 50 mtr	±0.35 mm
25.	Steel Scale (Lab)	IESL CP-04	Up to 150 cm	±0.35 mm
26.	Micrometer (Lab)	IESL CP-05	Up to 100 mm	± 2.27 µm
27.	Dial / Digimatic Gauge (Lab)	IESL CP-06	Up to 100 mm	± 15.54 µm
28.	Vernier/ Digimatic Caliper (Lab)	IESL CP-07	0-600 mm	± 12.92 µm
Field: Electro-technical				
29.	AC/DC Current Measure (Lab)	IESL CP-15	AC Current	
			Range	@ Frequency
			29 µA~ 329.9 µA	50 Hz ± 0.00069 mA
			330 µA~3.29 mA	± 0.0049 mA


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15


Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			3.3 mA~32.9 mA	± 0.037 mA
			33 mA~329.9mA	± 0.00080A
			330mA~2.9 A	± 0.0072 A
			3 A ~ 10 A	± 0.016 A
			10.1 A ~ 19.9 A	± 0.080 A
			20 A ~300 A (Using 50 turn coil)	± 2.55 A
			300 A~500 A (Using 50 turn coil)	± 4.04 A
			500A ~800A (Using 50 turn coil)	± 6.30 A
			800A~990 A (Using 50 turn coil)	± 7.74 A
			DC Current	
			29 µA~ 329.9 µA	± 0.000082 mA
			330 µA~3.29 mA	± 0.00045 mA
			3.3 mA~32.9 mA	± 0.0042 mA
			33 mA~329.9mA	± 0.000044 A
			330mA~2.9 A	± 0.0020 A
			3 A ~ 10 A	± 0.0079 A
			10.1 A ~ 19.9 A	± 0.083 A
			20 A ~300 A (Using 50 turn coil)	± 2.27 A
			300 A~500 A (Using 50 turn coil)	± 3.79 A
			500A ~800A (Using 50 turn coil)	± 6.06 A
			800A~990 A (Using 50 turn coil)	± 7.50 A


 Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15


Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
30.	Resistance Measure (Lab)	IESL CP-16	1 Ω	$\pm 0.012 \Omega$
			10 Ω	$\pm 0.012 \Omega$
			100 Ω	$\pm 0.022 \Omega$
			1 k Ω	$\pm 0.000060 \text{ k}\Omega$
			10 k Ω	$\pm 0.00051 \text{ k}\Omega$
			60 k Ω	$\pm 0.0033 \text{ k}\Omega$
			100 k Ω	$\pm 0.0048 \text{ k}\Omega$
			300 k Ω	$\pm 0.024 \text{ k}\Omega$
			0.5 M Ω	$\pm 0.000037 \text{ M}\Omega$
			0.8 M Ω	$\pm 0.000053 \text{ M}\Omega$
			2 M Ω	$\pm 0.00033 \text{ M}\Omega$
			10 M Ω	$\pm 0.0018 \text{ M}\Omega$
31.	Frequency Measure (Lab)	IESL CP-17	100 M Ω	$\pm 0.065 \text{ M}\Omega$
			20 Hz	$\pm 0.013 \text{ Hz}$
			50 Hz	$\pm 0.013 \text{ Hz}$
			500 Hz	$\pm 0.13 \text{ Hz}$
			1000 Hz	$\pm 0.0013 \text{ KHz}$
			10 kHz	$\pm 0.0092 \text{ KHz}$
32.	AC/DC Voltage source (Lab)	IESL CP-18	50 kHz	$\pm 0.051 \text{ KHz}$
			AC Voltage	
			Range	@ Frequency
			10 mV	$\pm 0.043 \text{ mV}$
			50 mV	$\pm 0.076 \text{ mV}$
			100 mV	$\pm 0.12 \text{ mV}$


 Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

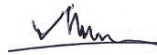
Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			1 V	± 0.0012 V
			10 V	± 0.012 V
			15 V	± 0.016 V
			100 V	± 0.12 V
			200 V	± 0.42 V
			400 V	± 0.58 V
			750 V	± 0.87 V
			DC Voltage	
			10 mV	± 0.0048 mV
			50 mV	± 0.0079 mV
			100 mV	± 0.013 mV
			2 V	± 0.00014 V
			10 V	± 0.00070 V
			15 V	± 0.0017 V
			100 V	± 0.0084 V
			200 V	± 0.026 V
			400 V	± 0.039 V
			800 V	± 0.067 V
			990 V	± 0.081 V
33.	AC/DC Voltage Measure (Lab)	IESL CP-52	AC Voltage	@ Frequency
			10 mV	0.0070 V
			50 mV	0.014 V
			100 mV	50 Hz 0.059 V
			1 V	0.00063 V
			2 V	0.00063 V


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15


Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			20 V	0.0063 V
			50 V	0.0063 V
			100 V	0.063 V
			200 V	0.063 V
			400 V	0.062 V
			700 V	0.063 V
			800 V	0.073 V
			996 V	± 0.61 V
			DC Voltage	
			10 mV	± 0.0019 mV
			50 mV	± 0.0026 mV
			100 mV	± 0.0038 mV
			2 V	± 0.000027 V
			20 V	± 0.00024 V
			300 V	± 0.0068 V
			400 V	± 0.011 V
			800 V	± 0.068 V
			995 V	± 0.025 V
34.	AC/DC current source (Lab)	IESL CP-53	AC Current	
			Range @ Frequency	
			10 µA ~ 100 µA	± 0.0016 mA
			100 µA ~ 1 mA	± 0.0016 mA
			1 mA ~ 100 mA	± 0.16 mA


 Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15


Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			100 mA ~ 1 A	± 0.0058 A
			1 A ~ 10 A	± 0.017 A
			DC Current	
			10 μ A ~ 100 μ A	± 0.00010 mA
			100 μ A ~ 1 mA	± 0.00077 mA
			1 mA ~ 100 mA	± 0.076 mA
			100 mA ~ 1 A	± 0.0017 A
			1 A ~ 10 A	± 0.019 A
35.	Resistance source (Lab)	IESL CP-54	100 Ω	± 0.019 Ω
			1k Ω	± 0.00021 k Ω
			100k Ω	± 0.019 k Ω
			1M Ω	± 0.00018 M Ω
			100 M Ω	± 0.94 M Ω
36.	Frequency Source (Lab)	IESL CP-55	10 Hz	± 0.013 Hz
			50 Hz	± 0.018 Hz
			500 Hz	± 0.082 Hz
			1 kHz	± 0.13 Hz
			10 kHz	± 0.0013 kHz
37.	RTD temperature indicator/controller measure (Lab & On site)	IESL CP-59	Types of RTD	No. of Wires
			Pt100 (385)	Range ($^{\circ}$ C)
			Pt100 (3926)	± 0.038 $^{\circ}$ C
			Ni120 (672)	± 0.036 $^{\circ}$ C
			Pt200 (385)	± 0.019 $^{\circ}$ C
				± 0.035 $^{\circ}$ C


 Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

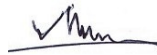
Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
		Pt500 (385)	-200~630	± 0.036 °C
		Pt1000 (385)	-200~630	± 0.036 °C
		Cu10 (427)	-100~260	± 0.14 °C
38.	Thermocouple Temperature indicator/controller measure (Lab & On site)	IESL CP-60	Types of Thermocouples	Range (°C)
			B Type	600~1820 ± 0.28 °C
			C Type	0~2316 ± 0.32 °C
			E Type	-250~1000 ± 0.22 °C
			J Type	-210~1200 ± 0.24 °C
			K Type	-200~1372 ± 0.25 °C
			L Type	-200~900 ± 0.22 °C
			N Type	-200~1300 ± 0.24 °C
			R Type	0~1767 ± 0.29 °C
			S Type	0~1767 ± 0.28 °C
			T Type	-250~400 ± 0.19 °C
39.	Capacitance Source (Lab)	IESL CP-62	1 nF	0.002 nF
			100 nF	2.2 nF
			1 µF	0.0074 µF
			10 µF	0.0074 µF
			100 µF	0.0074 µF
40.	Capacitance Measure (Lab)	IESL CP-63	3.5 µF	0.002 µF
			10 µF	0.032 µF
			100 µF	0.12 µF
			500 µF	1.23 µF
			995 µF	5.23 µF


Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
41.	RTD temperature indicator/controller source (Lab & On site)	IESL CP-88	Types of RTD	Range (°C)
			Pt100 (385)	-200~800 ± 0.10 °C
			Pt100 (3926)	-200~630 ± 0.10 °C
			Ni120 (672)	-80~260 ± 0.10 °C
			Pt200 (385)	-200~630 ± 0.10 °C
			Pt500 (385)	-200~630 ± 0.10 °C
			Pt1000 (385)	-200~630 ± 0.10 °C
			Cu10 (427)	-100~260 ± 0.14 °C
42.	Thermocouple Temperature indicator/controller source (Lab & On site)	IESL CP-89	Types of Thermocouples	Range (°C)
			B Type	600~1820 ± 0.97 °C
			C Type	0~2316 ± 0.96 °C
			E Type	-250~1000 ± 0.94 °C
			J Type	-210~1200 ± 0.93 °C
			K Type	-200~1372 ± 0.92 °C
			L Type	-200~900 ± 0.92 °C
			N Type	-200~1300 ± 0.94 °C
			R Type	0~1767 ± 0.93 °C
			S Type	0~1767 ± 0.93 °C
			T Type	-250~400 ± 0.91 °C
43.	Insulation Resistance Tester (Lab)	IESL CP-81	5 MΩ ~ 200 MΩ	± 6.40 %
			500 MΩ	± 6.37 %
			1 GΩ	± 6.32 %
			10 GΩ	± 6.26 %

Quality Manager

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Instrumentation Engineering Services Ltd.

Building: 296/A (Unit D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

Accreditation Date: 25 October 2015

Certificate Number: 02.005.15

Issued on: 23 January 2025

Last Amended on: -

Valid until: 24 October 2027

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			100 GΩ	± 16.10 %
44.	Earth Tester (Lab)	IESL CP-82	100 mΩ	± 9.08 %
			500 mΩ ~ 1000 mΩ	± 2.53 %
			1 Ω ~ 1000 Ω	± 0.89 %

End



Quality Manager