



ACCREDITATION CERTIFICATE

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

Calibration Laboratory, Biman Bangladesh Airlines Limited

Annex Building (1st Floor), Biman Engineering & MM Directorate

Hazrat Shahjalal International Airport, Kurmitola, Dhaka

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 : **02.010.19**
Accreditation Date : **28 January 2019**
Date of Issuance : **05 October 2021**
Date of Expiration : **27 January 2025**




Md. Monwarul Islam
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

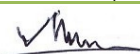
CAB Name & Address: Calibration Laboratory.
 Biman Bangladesh Airlines Limited.
 Annex Building, 1st Floor, Biman Engineering Hangar,
 Biman Engineering & MM Directorate,
 Gate no. 8, Hazrat Shahjalal International Airport, Kurmitola, Dhaka 1229.

Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	28 Jan 2019
Certificate Number:	02.010.19	Issued on:	05 Oct 2021
Last Amended on:	-	Valid until:	27 Jan 2025
Amendment no:			

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Calibration Measurement Capabilities (CMC) expressed as expanded uncertainty U (k=2) (to be expressed in ±)
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Field: Mechanical

1	Torque	CP T1-2 (In-house method)	(In-lb) 1 – 25 26 – 80 1 – 8 9 – 14 15 – 49 50 – 100 101 – 200 20 – 100 101 – 250 20 – 80 81 – 200 1 – 90 91 – 140 141 – 400 401 – 1200 1 – 90 91 – 180 181 – 300 301 – 600 1 – 150 151 – 250 251 – 380 381 – 500 501 – 600 1 – 300 301 – 600 601 – 900 901 -1200 (Ft-lb) 1 – 50 51 – 100 1 – 29 30 – 59 60 – 100 1 – 49	±0.5 in-lb / (2.0%) ±0.8 in-lb / (1.0%) ±0.48 in-lb / (6.0%) ±0.28 in-lb / (3.0%) ±0.98 in-lb / (2.0%) ±1.5 in-lb / (1.5%) ±2.0 in-lb / (1.0%) ±2.0 in-lb / (2.0%) ±2.5 in-lb / (1.0%) ±2.0 in-lb / (2.5%) ±2.0 in-lb / (1.0%) ±2.7 in-lb / (3.0%) ±2.1 in-lb / (1.5%) ±4.0 in-lb / (1.0%) ±6.0 in-lb / (0.5%) ±4.05 in-lb / (4.5%) ±4.5 in-lb / (2.5%) ±4.5 in-lb / (1.5%) ±6.0 in-lb / (1.0%) ±7.5 in-lb / (5.0%) ±7.5 in-lb / (3.0%) ±7.6 in-lb / (2.0%) ±9.0 in-lb / (1.8%) ±9.0 in-lb / (1.5%) ±18.0 in-lb / (6.0%) ±18.0 in-lb / (3.0%) ±18.0 in-lb / (2.0%) ±18.0 in-lb / (1.5%) ±0.5 ft-lb / (1.0%) ±0.5 ft-lb / (0.5%) ±0.44 ft-lb / (1.5%) ±0.59 ft-lb / (1.0%) ±0.5 ft-lb / (0.5%) ±0.98 ft-lb / (2.0%)
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Quality Manager

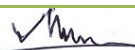
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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Calibration Measurement Capabilities (CMC) expressed as expanded uncertainty U (k=2) (to be expressed in ±)
			50 – 99	±1.49 ft-lb / (1.5%)
			100 – 199	±1.99 ft-lb / (1.0%)
			200 – 1000	±5.0 ft-lb / (0.5%)
			1 – 39	±1.17 ft-lb / (3.0%)
			40 – 79	±1.19 ft-lb / (1.5%)
			80 – 120	±1.2 ft-lb / (1.0%)
			121 – 200	±1.0 ft-lb / (0.5%)
			20 – 80	±2.4 ft-lb / (3.0%)
			81 – 140	±2.8 ft-lb / (2.0%)
			141 – 250	±2.5 ft-lb / (1.0%)
			251 – 600	±3.0 ft-lb / (0.5%)
			30 – 90	±5.4 ft-lb / (6.0%)
			91 – 140	±4.2 ft-lb / (3.0%)
			141 – 190	±3.8 ft-lb / (2.0%)
			191 – 250	±3.75 ft-lb / (1.5%)
			251 – 800	±8.0 ft-lb / (1.0%)
			100 – 190	±9.5 ft-lb / (5.0%)
			191 – 290	±8.7 ft-lb / (3.0%)
			291 – 450	±9.0 ft-lb / (2.0%)
			451 – 600	±9.0 ft-lb / (1.5%)
			601 – 1000	±10.0 ft-lb / (1.0%)
			1001 - 2000	±10.0 ft-lb / (0.5%)
2	Torque	CP T1-3 (In-house method)	(In-lb) 1 – 1000 1 – 12.5 4 – 50 15 – 150 30 – 400 80 – 1000 (Ft-lb) 10 – 2000 10 – 125 20 – 250 60 – 600 100 – 1000 200 – 2000	±0.25% ±0.20% ±0.16% ±0.12% ±0.08% ±0.04% ±0.25% ±0.20% ±0.16% ±0.12% ±0.08% ±0.04%
3	Micro Meter	CP L1 (In-house method)	0 – 101.6 mm	± 0.05 mm
4	Vernier Caliper	CP L2 (In-house method)	0 – 101.6 mm	± 0.05 mm



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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Calibration Measurement Capabilities (CMC) expressed as expanded uncertainty U (k=2) (to be expressed in ±)
5	Pressure Gauge	CP P2 (In-house method)	0 – 700 bar	± 0.4 bar
Field: Electro-technical				
6	DC Voltage	CP E3 (In-house method)	0 mV V to 200 mV 0 V to 9 V 10 V to 99 V 100 V To 1000 V	± 1 mV ± 0.01 V ± 0.1 V ± 1.00 V
7	AC Voltage	CP E3 (In-house method)	0 mV V to 200 mV 0 V to 9 V 10 V to 99 V 100 V To 1000 V	± 1 mV ± 0.01 V ± 0.1 V ± 1.00 V
8	DC Current	CP E3 (In-house method)	10 µA to 100 µA 1 mA to 9 mA 10 mA to 99 mA 100 mA to 200 mA 201 mA to 2A	± 1 µA ± 0.01 mA ± 0.1 mA ± 1.00 mA ± 0.001 A
9	AC Current	CP E3 (In-house method)	10 µA to 200 µA 1 mA to 9 mA 10 mA to 99 mA 100 mA to 200 mA 201 mA to 2A	± 1 µA ± 0.01 mA ± 0.1 mA ± 1.00 mA ± 0.001 A
10	Resistance	CP E3 (In-house method)	100 Ω and 0.99 KΩ 1 KΩ and 9 KΩ 10 KΩ to 99 KΩ 100 KΩ to 999 KΩ 1 MΩ to 9 MΩ 10 MΩ	± 1.00 Ω ± 0.001 KΩ ± 0.01 KΩ ± 0.1 KΩ ± 0.01 MΩ ± 0.1 MΩ

END



 Quality Manager