

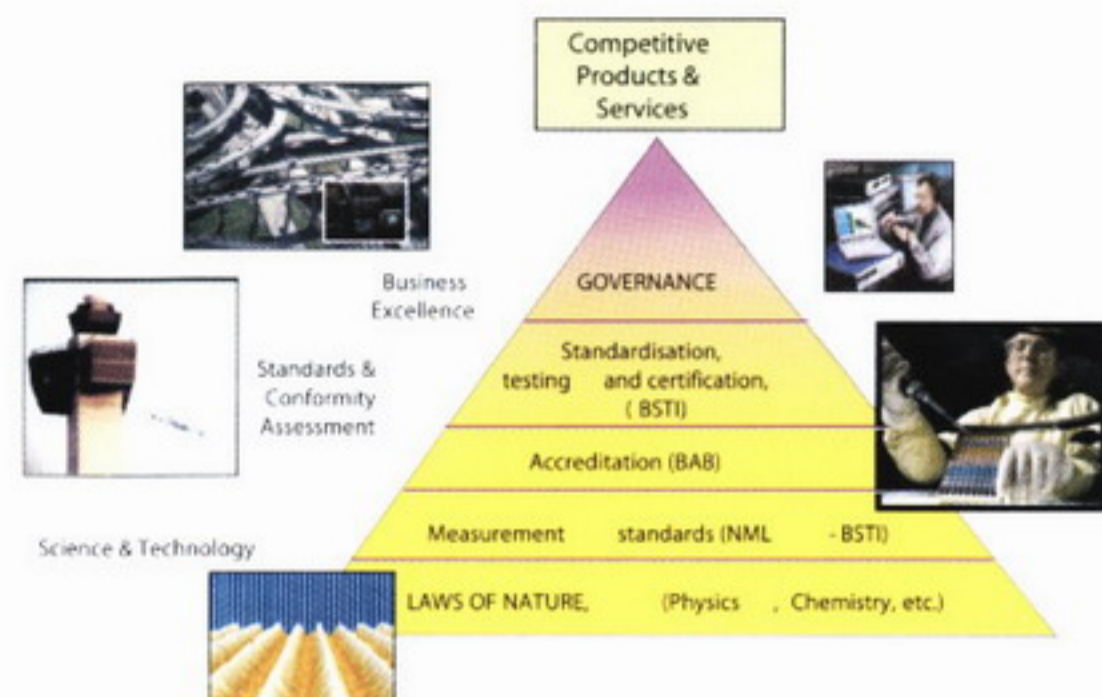
OTHER (AS YET NON-ACCREDITED) NML-BSTI CALIBRATION SERVICES

Quantity/ Instrument	Measurement Range	Expanded Uncertainty (k=2)
Balances*	20 g—100 kg	Supplied on request
Temperature installations**	- 40 - 1000 °C	Supplied on request
Thermocouples	-50—1200 °C	Supplied on request
Micrometers	25—200 mm	Supplied on request
Verniers / calipers	150—600 mm	Supplied on request
Dial gauges	5—100 mm	Supplied on request
Hygrometers / humidity loggers	30—70 % RH	Supplied on request

* Balance calibrations are preferably performed where the balance is used (in situ).

** Temperature installations include fridges, freezers, autoclaves, incubators, ovens and liquid baths (calibrations at customers' premises).

The NML-BSTI will seek accreditation for presently non-accredited calibration services as soon as resources permit and demand from customers warrants this. It will also seek to extend the range of its calibration services and the fields covered by them. Examples of such new fields include calibration of force transducers and testing machines, pipettes and micropipettes, pneumatic pressure standards, electrical quantities etc. Furthermore, NML-BSTI will shortly open branch calibration laboratories in Chittagong, Khulna and Dhaka and intends to get them accredited as well. Mobile calibration vehicles stationed at these laboratories will deliver calibration services at the clients' own premises.



CONTACT

Director (Metrology),
BSTI, Maan Bhaban,
116/A, Tejgaon Industrial Area,
Dhaka-1208, Bangladesh
Phone 880-2-8870281
E-Mail bsti_met@bangla.net
Fax 880-2-9131581
www.bsti.gov.bd

ACKNOWLEDGEMENTS

The assistance given under the UNIDO Better Work and Standards (BEST) Programme, with funding from the Government of Bangladesh, the European Union and co-funding from NORAD, is gratefully acknowledged.



CALIBRATION SERVICES 2014



NATIONAL METROLOGY LABORATORY (NML-BSTI)



BSTI - CUSTODIAN OF THE NATIONAL MEASUREMENT STANDARDS

BSTI is responsible by law for the maintenance of the national measurement standards. This function is carried out in the BSTI's **National Metrology Laboratory (NML-BSTI)**, which also ensures through regular comparisons, that the national measurement standards agree with those of the country's international trading partners. The international recognition of these standards has been ensured by the accreditation of the NML-BSTI laboratories by an internationally recognized accreditation body Norwegian Accreditation (NA). The testing laboratories are accredited by NABL, NACCB and voluntary product certification & management system certification are accredited by Norwegian Accreditation (NA).

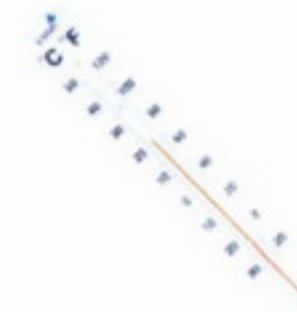
MEMBERSHIP OF REGIONAL AND INTERNATIONAL METROLOGY ORGANISATIONS

- Member of the Asia Pacific Metrology Programme (APMP).
- Associate of the General Conference on Weights and Measures.
- Signatory of the CIPM mutual recognition arrangement (MRA) between National Metrology Institutes.
- Participant in SAARC regional metrology activities.



FIELDS OF CALIBRATION OF NML-BSTI

- Weights and balances
- Clocks, stopwatches and timers
- Rulers, tapes, micrometers, vernier calipers, gauge blocks, dial gauges etc.
- Thermometers and temperature sensors
- Volumetric measures
- Pressure gauges



ACCREDITED SCOPE OF NML-BSTI CALIBRATION SERVICES

Quantity/ Instrument	Measurement Range	Expanded Uncertainty (k=2)
Mass standard	1 mg—10 kg	± 0.016 –16 mg
Volumetric flasks (glassware)	50—500 ml	± 0.2—0.5 ml
Liquid in glass thermometers	0—200 °C	± 0.1 °C
Digital thermometers	-50 –250 °C	± 0.1 °C
Engineers tape measure	0—5 m	± 0.13 mm
Engineers steel rule	0—1500 mm	± 0.1 mm
Gauge pressure— gas medium	1.5—40 kPa	± 0.1 kPa
Gauge pressure— liquid medium	0.1—100 MPa	± 2 kPa
Time difference meter	100—100000 s	± 1 s

NML-BSTI is accredited for the above scopes of accreditation by both

- Norwegian Accreditation (NA) and the
- Bangladesh Accreditation Board (BAB)

