



Democratic Socialist Republic of Sri Lanka

Invitation for Bids (IFB)

Measurement Units Standards and Services Department

**Ministry of Trade, Commerce, Food Security, and Cooperative Development,
Sri Lanka**

**Repair/Upgrade, Recalibration and Commissioning the NPL – Brown and Sharpe
Automatic gauge Block Interferometer of the National Measurement Laboratory**

Bid Number: MS/F/2/PROC/2025/02/R/DM/1

1. The Chairman of the Department Procurement Committee (DPC) on behalf of the Measurement Units, Standards & Services Department (MUSSD), Sri Lanka now invites sealed bids/proposals from eligible and qualified international bidders for the repair/upgrade, recalibration and commissioning the NPL – Brown and Sharpe Automatic gauge Block Interferometer of the National Measurement Laboratory.

2. Estimated cost is 75 million Sri Lankan Rupees.

This project is implemented to Repair/Upgrade the NPL – Brown and Sharpe Automatic Gauge Block Interferometer (AGBI) established in the Dimensional Metrology Division of the National Measurement Laboratory, MUSSD, Sri Lanka. The bidder needs to provide the repair/upgrade service, recalibration, and commissioning the AGBI at the site of MUSSD, Sri Lanka. Previous experience in similar projects is expected from the bidder. Details are included in this bid document later.

3. The delivery period is three months from the date of award of the contract.

4. Bidding will be conducted through Limited International Bidding (LIB) method.

5. Interested eligible bidders may obtain further information from the MUSSD via the email dep.dir.procurement.mussd@gmail.com and inspect the Procurement Documents on the website www.measurementsdept.gov.lk from 5 August 2025.

6. Qualifications requirements include: being an international service provider on similar projects, experience in similar projects on gauge block interferometers, technical personnel with experience in laser interferometry and the use of gauge block interferometers, technical capabilities on repair or upgrading similar instrument systems, and financial capability to undertake similar projects of estimated value equivalent or greater than the estimate of this project. Additional details are provided in the Procurement Documents.
7. A complete set of Procurement Documents in English language can be downloaded from the website www.measurementsdept.gov.lk by interested bidders. or in [insert amount in specified convertible currency]. The method of payment will be LC and payments will be done according to the conditions specified in the procurement documents.
8. Bids/proposals must be delivered to the address below on or before 11th September 2025, before 3.30 pm local time. Late bids/proposals shall be rejected. Bid validity period is 91 days from the date of bid closing. Bids/proposals will be opened in the presence of the bidders' representatives who choose to attend in person or virtual at the address below on 11th September 2025 at 3.30 pm local time. All bids/proposals must be accompanied by a Bid-Security of Sri Lanka Rupees 750,000 or an equivalent amount in a freely convertible foreign currency (USD/Euro/GBP/CHF). The bid security must be valid 56 days beyond the bid validity date.

9. The address referred to above is:

Chairman,
Department Procurement Committee,
Measurement Units, Standards and Services Department (MUSSD),
Mahenawatta, Pitipana,
Homagama 10206,
Sri Lanka
Tel: +94112182254/+94112182255
Email: dep.dir.procurement.mussd@gmail.com

Measurement Units Standards & Services Department (MUSSD) is the National Metrology Institute in Sri Lanka. MUSSD has been established under the Measurement Units Standards & Services act No. 35 of 1995 (a parliament act of the Democratic Socialist Republic of Sri Lanka) and the National Measurement Laboratory (NML) is the main body of the MUSSD under the same act to establish and maintenance of National Measurement Standards of physical quantities in Sri Lanka.

Date: 2025-08-05

Please see the next page for the project details.

Technical Details of the Project:
Repair/Upgrade, Re-Calibration, and Commissioning of
The Automatic Gauge Block Interferometer – 2025

This project shall comprise of and fulfill the following.

1. Repair/upgrade as appropriate of the gauge block interferometer instrumentation system in terms of optical, mechanical, and electronical upgrading as detailed from 2.
2. Replacement of computer system with applicable software (new computer, Operating system (OS), and the software used in gauge block calibration by interferometry)
3. Replacement of fiber optic cables as deemed necessary.
4. Replacement of a new red laser source, and CCD camera
5. Repair/Replacement of old instrumentations in the control cabinet (Bridge thermometer, Pressure indicator, humidity meter) and laser control units which are deemed necessary.
6. Re-calibration of laser sources (red and green), thermometers, pressure meter, humidity meter, and any other measuring device in the system which needs re-calibration after the whole upgrading
7. Cleaning and Adjustment of the optics as appropriate.
8. Cleaning the air cabinet.
9. Re lapping the available platens made of steel.
10. Testing the whole gauge block interferometer system after the upgrade to ensure its proper working status for the use of gauge block calibration by interferometry.
11. Commissioning the gauge block interferometer system after all repair and upgrades.
12. Sample calibration of gauge blocks using the upgraded system of Automatic Gauge Block Interferometer.
13. Providing training the laboratory staff on the use of gauge block interferometer to calibrate gauge blocks using the software.
14. Any other requirement as deemed necessary by your experts.

Interested bidders can request an online meeting or a physical visit to the National Measurement Laboratory to check the present status of the automatic gauge block interferometer. Please contact the Head of Dimensional Metrology Division for technical clarifications and online inspections via addimension@measurementsdept.gov.lk.