

**SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR
THE LEADING UNIVERSITY PROJECT FOR INTERNATIONAL COOPERATION
(LUPIC)**

LUPIC/2026/31

BIDDING DOCUMENT

Deadline for the submission of bid	15th of October 2026 at 2.00pm
Bid validity up to	15th of January 2027
Bid addressed to	Local Project Coordinator, Leading University Project for International Cooperation

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Procurement Notice

INVITATION FOR BIDS FOR THE PROCURMENT OF LABORATORY EQUIPMENTS FOR THE LEADING UNIVERSITY PROJECT FOR INTERNATIONAL COOPERATION (LUPIC).

Sungkyunkwan University, South Korea invites bids from eligible and qualified bidders for Supply, Delivery and Installation of laboratory equipment listed below for a Program in Biomolecular Science and Industrial Biotechnology offered by the Faculty of Science, University of Colombo, in Sri Lanka under the Leading University Project for International Cooperation (LUPIC).

No	Item	Qty
1	Electroporator	01
2	MicroVolume Spectrophotometer (Nanodrop)	01
3	Multimode microplate reader	01

1. Bidders should have at least five years' experience in supply of above items in Sri Lanka.
2. Interested and eligible bidders may obtain further clarifications from the Local Project Coordinator by email at bsib@sci.cmb.ac.lk. Further information may also be obtained by calling 070 642 1350 during office hours.
3. Bidders must submit copies of Business Registration certificates and bank statements which are issued by the government. Additionally, the bidder must submit a copy of an invoice.
4. The bidders must ensure that the name of the bidder is exactly the same in business registration certificate, bank statement and invoice. No alternative usage of commonly used terms such as "Limited" and "Private" in one document and "LTD" and "Pvt" in another document is allowed. Noncompliance with these requirements may result in delays or disqualification during the evaluation process.
5. Noncompliance with these requirements may result in delays or disqualification during the evaluation process.
6. **Duly completed bidding quotes should be submitted to the BSIB Office** (4th floor, Student Service Center) Faculty of Science, University of Colombo, under sealed registered cover and to be received **on or before 02:00p.m. on 15/10/2026**.
7. Bidders are requested to attend the bid opening on 15th October 2026 at the BSIB Office, 4th Floor, Student Service Center, Faculty of Science, University of Colombo.
8. All the supply, delivery, installation and commissioning of laboratory equipment and furniture must be completed by 31/12/2026.
9. Incomplete and late bids will be rejected, and the procurement committee reserves the right to accept or reject bids.

Local Project Coordinator

Leading University Project for International Cooperation

Technical Specifications of Items

Item No.	Name of Item	Specification	Quantity
1	Electroporator	Annexure 1	01
2	MicroVolume Spectrophotometer (Nanodrop)	Annexure 2	01
3	Multimode microplate reader	Annexure 3	01

Annexure 1

Electroporator

No.	Parameter	Specification	Bidder's response
1	Equipment Type	Benchtop microprocessor-controlled electroporator for microbial transformation	
2	Pulse Waveform	Exponential decay with adjustable RC time constant.	
3	Voltage Range	Dual range: 50–400 V (Low) and 401–3000 V (High) in 10 V steps.	
4	Capacitance Range	Fixed settings: 10, 25, 35, 50, 60 μF Variable range: 50–1560 μF in 25 μF steps.	
5	Parallel Resistance	50–1650 Ω in 50 Ω steps, plus open circuit (∞).	
6	Display	Digital interface showing set parameters, actual delivered voltage, and time constant.	
7	Protocol Memory	Internal storage for saving and recalling user-defined experimental protocols.	
8	Sample Safety	Built-in arc protection / arc-quenching mechanism.	
9	Shocking Chamber	Safe, enclosed chamber supporting 0.1 cm, 0.2 cm, and 0.4 cm cuvettes.	
10	Included Modules	Main unit, pulse controller module, shocking chamber, and power/connecting cables.	
11	Starter Consumables	Package of 10 sterile cuvettes (0.1 cm and 0.2 cm gap size).	
12	Power Supply	External power adapter (230-240 V AC, 50/60 Hz).	
13	Warranty & Support	3-year minimum warranty with local delivery, installation, demonstration, and technical support.	

Annexure 2

MicroVolume Spectrophotometer (Nanodrop)

No.	Specification Parameter	Harmonized Baseline Requirement	Bidder's response
1	Equipment Category	Compact, standalone microvolume UV/Vis spectrophotometer utilizing pedestal sample-retention technology (no cuvettes or dilution required for routine microvolume assays).	
2	Sample Volume	1.0 to 2.0 μL per measurement (supports 0.5--2.0 μL microvolume range).	
3	Light Source	Long-life Xenon flash lamp (zero warm-up time required).	
4	Detector Type	2048-element CMOS linear array detector.	
5	Path Length	Automatic path length adjustment including 0.2 mm and 1.0 mm optical path lengths.	
6	Wavelength Accuracy	± 0.2 nm.	
7	Spectral Resolution	≤ 1.8 nm--2.0 nm (FWHM at Hg 254 nm / 546 nm).	
8	Core Wavelength Coverage	Dedicated measurement at key nucleic acid and protein absorption wavelengths: 230 nm, 260 nm, and 280 nm. Full-spectrum scanning 190–850/910 nm supported.	
9	Detection Range	dsDNA: 2 to 15,000 ng/ μL RNA: 1.6 to 12,000 ng/ μL Protein: 0.04 to 500 mg/mL	
10	Absorbance Range	0.04 to 30 Abs (10 mm path length equivalent) baseline (<i>Extended up to 300 Abs on full-spectrum models</i>).	
11	Purity Assessment	Automatic calculation and readout of critical purity ratios (A_{260}/A_{280} and A_{260}/A_{230}).	
12	Measurement Speed	Rapid measurement time of ≤ 5 seconds per sample.	
13	Control & User Interface	Integrated high-resolution LCD touchscreen for standalone operation without an external PC.	
14	Sample Pedestal Material	Stainless steel base plate with quartz optical fiber core, high chemical resistance, and wipe-clean maintenance.	

15	Data Management & Export	Local measurement logging/storage with USB port for exporting data (CSV/Excel formats).	
16	Power Supply	External power adapter (230--240 V AC, 50/60 Hz).	
17	Warranty & Support	3-year minimum warranty with local delivery, installation, demonstration, and technical support.	

Annexure 3

Multimode microplate reader

No.	Specification Parameter	Baseline Requirement Specification	Bidder's response
1	Equipment Category & Detection Modes	Benchtop multimode microplate reader supporting UV/Vis Absorbance, Fluorescence Intensity, and Luminescence detection modes.	
2	Microplate Compatibility	Accepts standard 6-well, 12-well, 24-well, 48-well, 96-well, and 384-well microplates.	
3	Absorbance Wavelength Selection & Range	Monochromator-based optical system providing continuous wavelength selection from 200 nm to at least 850--999 nm in 1 nm increments.	
4	Absorbance Light Source & Range	High-energy Xenon flash lamp with an optical dynamic range of 0.0 to 4.0 OD and resolution of 0.0001--0.001 OD.	
5	Fluorescence Detection System	High-sensitivity Photomultiplier Tube (PMT) detector with filter- or monochromator-based excitation and emission selection. Coverage: EX 200--1000 nm, EM 270--850 nm.	
6	Fluorescence Sensitivity	Detection sensitivity of ≤ 1 --2 pM fluorescein in a 96-well microplate.	
7	Luminescence Detection & Sensitivity	Low-noise PMT detector with a sensitivity of ≤ 10 --15 amol ATP per well and a dynamic range > 6 logs.	
8	Temperature Control (Incubation)	Onboard incubation system operating from Ambient +4°C to 45°C with temperature uniformity of $\pm 0.5^\circ\text{C}$ at 37°C.	
9	Plate Shaking Modes	Programmatically controlled shaking supporting linear, orbital (circular), and double-orbital (double circular) shaking profiles with adjustable speeds.	
10	Read Methods & Assays	Endpoint, kinetic, spectral scanning, and well-area scanning modes for ELISA, DNA/RNA purity (A_{260}/A_{280}), protein assays, and cell viability tests.	
11	User Interface & Standalone Control	Color capacitive touchscreen interface (7-inch to 10-inch) for standalone operation without a dedicated PC.	

12	Software & Data Analysis	Includes comprehensive control and analysis software (Windows PC compatible) supporting standard curve fitting, quantitative calculations, and kinetic evaluation.	
13	Microvolume Capability (Optional Adapter)	Compatibility with specialized microvolume plates (e.g., u-Nano or Take3 plates) for low-volume (2 μ L) nucleic acid and protein quantification.	
14	Connectivity & Data Export	USB ports (Type A and B) and Ethernet connectivity for exporting raw data and reports (CSV, Excel, or PDF) to USB flash drives or external network servers.	
15	Electrical Power Supply	Input voltage (230--240 V AC, 50/60 Hz) with external/internal power conversion.	
16	Warranty & Support	3-year minimum warranty with local delivery, installation, demonstration, and technical support.	

Information for Bidders

Documents to submit

The bidder shall submit the following documents:

1. Copy of business registration certificate.
2. Documentary evidence (purchase orders) to prove for experience in the relevant field.
3. Quotation for the items (price schedule).
4. Copies of audit financial statements for last three years.
5. Copy of the manufacturing authorization letter for appointing as a dealer or agent for quoted brand.

Evaluation and qualification criteria of the bidder

The qualified bidders will be evaluated on the following criteria:

1. Full compliance with technical specification.
2. The business registration certificate.
3. Experience as local agent for the same quoted brand.
4. After sales service.
5. Product life span.
6. The lowest quoted price among the qualified bidders will be used as the deciding factor for awarding the bid.

Payments

1. Payments will be transferred directly to the bidder via wire transfer from Sungkyunkwan University, Republic of Korea. Please provide the following information:
 - Name of the company:
 - Address of the company:
 - Country:
 - Name of the bank:
 - Address of the (branch) of bank:
 - Account Number:
 - SWIFT (Society for Worldwide Interbank Financial Telecommunication) code of the bank:
 - BIC (Bank Identified Code) of bank:

- Bank code:
 - Branch code:
2. Payments will only be made upon delivery and after successful inspection of the item (s) by the local agent.