

**SUPPLY, DELIVERY AND INSTALLATION OF
LABORATORY EQUIPMENT FOR THE LEADING
UNIVERSITY PROJECT FOR
INTERNATIONAL COOPERATION (LUPIC)
LUPIC/2025/08**

BIDDING DOCUMENT

| | |
|---|--|
| Deadline for the submission of bid | 16th of September 2025 at 2.00pm |
| Bid validity up to | 16th of December 2025 |
| Bid addressed to | Local Project Coordinator, Leading University Project for International Cooperation |

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Procurement Notice

Leading University Project for International Cooperation



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 | Analytical balance | 1 |
| 2 | General lab (bench) scale-digital | 1 |
| 3 | Orbital shaker | 1 |
| 4 | pH meter | 1 |
| 5 | Rocker | 1 |
| 6 | Thermometer | 10 |

| | | |
|-----------|--------------------------|----------|
| 7 | Vortex | 4 |
| 8 | Autoclave | 1 |
| 9 | 4C refrigerator | 1 |
| 10 | -20 chest freezer | 1 |

1. Bidders should have at least five years' experience in supply of above items in Sri Lanka.
2. Interested eligible bidders may obtain lists of specification requirements by submitting a written request to the Local Project Coordinator at lupic2031@gmail.com. Further information can be obtained by calling 0761808462 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. Duly completed bidding quotes should be submitted to the Dean's Office, Faculty of Science, University of Colombo, under a sealed registered cover and to be received on or before at 02:00 p.m. on **16/09/2025**.
6. 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

| No | Item | Specification | Quantity |
|----|----------------------------------|-----------------|----------|
| 1 | Analytical balance | Annexure 1 | 1 |
| 2 | General lab (bench) scaledigital | Annexure 2 | 1 |
| 3 | Orbital shaker | Annexure 3 | 1 |
| 4 | pH meter | Annexure 4 | 1 |
| 5 | Rocker | Annexure 5 | 1 |
| 6 | Thermometers | Annexure 6 - | 10 |
| 7 | Vortex | | 4 |
| 8 | Autoclave | Annexure 7 | 1 |
| 9 | 4C refrigerator | | 1 |
| 10 | -20 chest freezer | Annexure 8 | 1 |

Annexure 1

Analytical balance

| Features | Minimum Requirement | Bidder's Response |
|-----------------------|---------------------------------------|--------------------------|
| Weighing capacity | 110 g | |
| Sensor | Load cell | |
| Minimum weighing | 0.004 g | |
| Resolution | 0.001 g | |
| Stable time | ≤ 3 seconds | |
| Display | LCD (white backlight with black font) | |
| Operating temperature | 15–35 °C | |
| Repeatability | ±0.002 g | |

| | | |
|--------------------|--------------------|--|
| Linearity | ±0.003 g | |
| Draft shield size | 175 x 180 x 205 mm | |
| Calibration | External | |
| Calibration weight | 100 g | |
| Warranty | 2 years | |

Annexure 2

General lab (bench) scale-digital

| Features | Minimum Requirement | Bidder's Response |
|---------------|---|-------------------|
| Specification | Details | |
| Battery Life | 210 hours | |
| Battery Type | Internal rechargeable lead acid battery | |

| | | |
|-----------------------|---|--|
| Calibration | External, with user-selectable calibration weight value | |
| Connection Type | RS232 | |
| Capacity | 1.5 kg | |
| Display Type | LCD | |
| Readability | 0.05 g | |
| Operating Temperature | 0–40 °C | |
| Format | Gram, kilogram, ounce, pound | |
| Warranty | 2 years | |

Annexure 3

Orbital shaker

| Features | Minimum Requirement | Bidder's Response |
|----------|---------------------|-------------------|
| | | |

| | | |
|--|---|--|
| Dimensions | 18.5 x 14.3 x 5.5 in. | |
| Orbital Diameter | 1 inch | |
| Max. Load Capacity (with platform) | 25 kg | |
| Speed Range | 100–500 rpm | |
| Display | LCD | |
| Time Settings Range | 1 min – 19 h 59 min | |
| Voltage | 230 V, 50/60 Hz | |
| Permissible Ambient Temperature and Humidity | 5–40 °C, 80% RH | |
| Unbalanced Load Sensor | Stops platform motion when excess vibration detected | |
| Alarms | Visual or audible alarms signal | |
| Accessories Included | 15 ml centrifuge tube (6×6) clamp – 2; 250 ml Erlenmeyer flask clamps – 2; 1 L Erlenmeyer flask clamp – 2; microplate clamp – 1 | |
| Warranty | 2 years | |

Annexure 4

pH meter

| Features | Minimum Requirement | Bidder's Response |
|--------------------------|---------------------------------------|-------------------|
| Parameter | ORP, pH, Temp | |
| Channel | Single-channel | |
| pH Measuring Range | -2,000 – 20,000 | |
| pH Resolution | 0.001, 0.01, 0.1 | |
| pH Accuracy (±) | 0.002 | |
| mV Measuring Range | -2,000.000 – 2,000.000 | |
| mV Resolution | 0.1, 1 | |
| mV Accuracy (±) | 0.1 | |
| Temperature Range | -30 °C – 130 °C | |
| Temperature Resolution | 0.1 °C | |
| Temperature Accuracy (±) | 0.1 °C | |
| Calibration Points (pH) | 1 to 5 points | |
| Data Transfer | PC | |
| Sensor Included | Generalist (chemical-resistant glass) | |
| Meter Type | Benchtop single-channel | |
| Warranty | 2 years | |

Annexure 5

Rocker

| Features | Minimum Requirement | Bidder's Response |
|--|----------------------------|--------------------------|
| Specification | Details | |
| Type | Analog, 1 Tier | |
| Mixing Frequency Range | 1–30 oscill/min | |
| Time Setting | 1 min–24 hrs / non-stop | |
| Rocking Angle | 0–15° | |
| Maximum Load | 1 kg | |
| Non-slip Silicone Mat Supplied as Standard | Yes | |
| Platform Working Area | 215 x 215 mm | |
| Overall Dimensions (W × D × H) | 42.5 x 25.4 x 14 cm | |
| Power Supply | 230 V | |
| Warranty | 2 years | |

Annexure 6

Thermometers

| Features | Minimum Requirement | Bidder's Response |
|--------------------|--|--------------------------|
| Temperature Ranges | -20 °C to +110 °C | |
| Sub Divisions | 1.0 °C or 0.5 °C | |
| Immersion | Total immersion | |
| Product Material | Glass tube (general use) | |
| Thermometer Fill | Red spirit | |
| Design Features | Non-roll fitting, reinforced bulb for stirring | |
| Warranty | 2 years | |

Vortex

| Features | Minimum Requirement | Bidder's Response |
|-------------------------|--|--------------------------|
| Product Type | Vortex Mixer | |
| Orbit | 4.2 mm | |
| Speed Range | 0 to 3000 rpm | |
| Operating Modes | Touch, Continuous | |
| Load Bearing Capacity | 0.5 kg (Metric) | |
| Weight | 1.5–3 kg | |
| Material | Rubber, Plastic Platform; Zinc Alloy; Technopolymer | |
| Electrical Requirements | 100/240 V | |
| Frequency | 50/60 Hz | |
| Voltage | 230 V | |
| Features | Anti-slip rubber feet to keep in position | |

Annexure 7

| | | |
|----------|---------|--|
| Warranty | 2 years | |
|----------|---------|--|

Autoclave

| Features | Minimum Requirement | Bidder's Response |
|--------------------------|---|-------------------|
| Capacity | 35 L | |
| Temperature Range | 105 ~ 134 °C | |
| Heat Average | ≤ ±1 °C | |
| Working Pressure | 0.22 MPa | |
| Maximum Working Pressure | 0.23 MPa | |
| Working Temperature | 134 °C | |
| Timer Range Selection | 0 ~ 90 minutes or 0 ~ 99 hours 59 minutes | |
| Display Method | Digital | |
| Power Supply | 1 × 2.5 KW / AC 220V 50 Hz | |
| Warranty | 2 years | |

4C refrigerator

| Features | Minimum Requirement | Bidder's Response |
|-----------------------|---------------------|-------------------|
| Temperature Set Point | 4 °C | |
| Temperature Range | 1 to 8 °C | |
| Volume | 10 cu ft | |
| Door Type | Single door, solid | |
| Shelves | 5 shelves included | |
| Power Supply | 230V | |
| Alarm | Temperature alarm | |
| Security | Keyed door lock | |
| Warranty | 2 years | |

Annexure 8

Annexure – 8

-20 Freezer

| Features | Minimum Requirement | Bidder's Response |
|--|--|--------------------------|
| Adjustable Operating Temperature Range | -15 °C to -25 °C | |
| Capacity Options | 14 cu ft | |
| Shelves | 6 shelves included | |
| Alarm | Audible and visual high/low temperature alarms | |
| Lid | Double walled insulated lid with hinges | |
| Defrost | Manual defrost | |
| Door Type | One solid swing door | |
| Security | Keyed door lock | |
| Power Supply | 230 V | |
| Warranty | 2 years | |

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