

# Tender Document

## LUMS

**TENDER NO. LUMS/237/2024 DATED: 27.12.2024 for “IT equipment for NCBC  
Center and NRPU projects”**

**Last Date for submission of bids** 27/01/2025 till 11:00AM

**Opening of bids** 27/01/2025 at 11:30AM

Lahore University of Management Sciences (hereinafter called LUMS) invites sealed bids for the supplies as per attached BOQ on Single stage two envelope basis.

If you have doubt as to the meaning of any portion of the specification or other terms and conditions, you may seek clarification of the same in writing from us.

You are required to submit your bid, which will bear words “CONFIDENTIAL” and

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LUMS does not take any responsibility for collecting the bids from any agency. The requests for an extension of closing date and time shall not be entertained.

### Specifications

DESCRIPTION	SPECIFICATIONS	QTY
Laptop	16 GB Ram with 1TB hard drive, and 10th generation i9 processor	2
Laptop	ThinkPad X1 Carbon Gen 11/12 (14 inch) 16 GB RAM with 512GB SSD	1
Laptop	ThinkPad X1 Carbon Gen 11/12 (14 inch) 16GB RAM with 1TB SSD	1
Laptop	Macbook Pro 16 inch M4 pro 1tb hard disk 24gb unified memory	1
Phone for development	iPhone 14 (non-PTA)	1
Phone for development	iPhone 15 (non-PTA)	
Phone for development	Galaxy Z Fold 6 (512GB with 12GB) in Crafted Black	1

<b>Phone for development</b>	Samsung Galaxy A05 – 64GB	1
<b>Phone for development</b>	Samsung Galaxy A55 5G	1
<b>Development Devices</b>	Ipad pro 13 inch 2024 with 256gb	1
<b>Development Devices</b>	Ipad pro 11 inch 2024 with 512gb	1
<b>headphones</b>	Airpod Max black 2023	1
<b>Keyboards</b>	KR-85 Keyboard with adjustable tilt and drain hole or similar	2
<b>Mouse</b>	G-90 Optical Mouse or similar	2
<b>UPS</b>	UPS With 2KVA power for computer Backups	2
<b>USB hub</b>	Port Hub with Type-C to USB 3.0 (4 USB ports + 3 type-c ports)	2
<b>Visualization Screen</b>	32 inches Display 4K HDR10 Monitor	1
<b>Visualization Screen</b>	UHD 4K 75inch TV	1
<b>Visualization Screen</b>	QLED 75inch TV	1
<b>Visualization Screen</b>	4k 75 inch TV	1
<b>Visualization Screen</b>	27-inch Premium Monitor with 165Hz, 1920 x 1080 Resolution	1
<b>Visualization Screen</b>	27 inch HD monitor with 4K	2
<b>Visualization Screen</b>	24 inch HD monitor with 4K	2
<b>Visualization Screen</b>	49-Inch Odyssey G9 Series, with curved screen VESA Display HDR 1000, 240Hz, Height Adjustable Stand	1
<b>Visualization Screen</b>	UltraWide Computer Monitor 34-inch QHD (3440x1440) 160Hz, HDR10, AMD	1
<b>Visualization Screen</b>	34 inches Ultra-WQHD 1000R Curved Computer Monitor, HDR10, 100Hz, AMD FreeSync, Thunderbolt 4	1
<b>Graphic Card</b>	GeForce RTX 4080 Super Trinity OC, 3X Wind Force Fans, 16GB with 256-bit GDDR6X	1
<b>Graphic Card</b>	GeForce RTX 4070 Ti Super GPU, 16GB GDDR6X 256-Bit Memory, 21 Gbps, Pci Express 4 Interface, Upto 2640 MHz, TORX Fan 4.0	1

<b>Graphic Card</b>	GeForce RTX 3060 (MSI) 12GB 15 Gbps GDDR6 192-Bit HDMI/DP PCIe 4 Torx Twin Fan Ampere OC Graphics Card	2
<b>Machine Learning Computer</b>	ProArt StudioBook 16 OLED Laptop (2023 or better), 3.2K OLED Touch Display, Intel Core i9-13980HX CPU, Nvidia Geforce RTX 4070 GPU, 32GB DDR5 SO-DIMM RAM, 1TB SSD, Windows 11 Home, H7604JI-DS96T	1
<b>GPU Machine</b>	<ul style="list-style-type: none"> <li>- GeForce RTX 4070 Ti super</li> <li>- 12GB Gaming OC GDDR6X Graphics Card</li> <li>- SSD M.2 NVME 1TB E1000</li> <li>- AMD Ryzen 7 5800x Processor</li> <li>- Gigabyte Motherboard X570 Aorus Elite Wifi</li> <li>- Cooler Master Masterliquid M1240I Argb V2 Cpu Liquid Cooler</li> <li>- G.skill Trident Z Neo Series 32gb (2 X 16gb) Ddr4 3600mhz Rgb Memory</li> <li>- Corsair Rm850 850 Watt 80+ Gold Certified Fully Modular Power Supply</li> <li>- Hikvision SSD M.2 NVME 1TB E1000</li> <li>- Seagate WD HDD Desktop 2TB New</li> <li>- Thunder Thor Tgs-a333-w Mid Tower Gaming Case White</li> <li>- Gigabyte/MSI X570 Aorus Elite WiFi</li> <li>- 4TB hard drive with 64 GB RAM</li> <li>- 512 GB Solid State Drive (SSD) and latest Graphic Card with 10th generation ci7 or ci9 processor or equivalent or better</li> <li>- MSI RTX 3070 Ti 8GB GDDR6X 256-Bit OC Graphics Card</li> </ul>	1
<b>GPU Machine</b>	4TB hard drive with 64 GB RAM, 512 GB Solid State Drive (SSD), ci9 processor with RTX 3090 GPU Card	1
<b>GPU Machine</b>	4TB hard drive with 64 GB RAM, 512 GB Solid State Drive (SSD), ci9 processor with RTX 4070Ti super GPU Card	1
<b>Weather Station</b>	<p><b>Temperature Monitor:</b> This sensor should be engineered to deliver precise temperature readings with an impressive accuracy of +/- 0.2 degrees Celsius with an outdoor range of -40 to 158°F (-40 to 70°C) and an indoor range of 32 to 122°F (0 to 50°C) of Whether, it ensures you have trustworthy data for your weather observations.</p> <p><b>Hygrometer:</b> The sensor should be in the range of +/- 5% (0-10% RH), +/- 4% (10-20% RH), +/- 3% (20-80% RH), +/- 4% (80-90% RH), +/- 5% (90-100% RH) with a humidity</p>	1

	<p>range of 1% to 99% RH. The hygrometer, a vital component of the weather station, should excel in measuring humidity levels.</p> <p><b>Anemometer and Wind Vane:</b> The 16-point wind direction sensors should work in tandem to provide detailed wind data. The anemometer must accurately gauge wind speed, while the wind vane precisely determines wind direction.</p> <p><b>Barometer:</b> The barometer should be within the weather station and must be a highly reliable instrument, capable of recording atmospheric pressure within the range of 28.5 to 31.5 inches Hg. Its accuracy should be of +/- 0.16 inHg making it an invaluable tool for monitoring and predicting weather changes, especially for storm forecasting.</p> <p><b>Rain Gauge:</b> It should measure 0.01 inches (0.25 mm) and up with an accuracy of +/- 0.05" per inch of rainfall. It should provide accurate data on precipitation, helping you track rainfall amounts precisely.</p> <p><b>UV &amp; Solar Radiation Sensor:</b> This sensor should detect and report levels of ultraviolet (UV) and solar radiation. It can measure the intensity of UV radiation in the UV-A (320-400 nm) and UV-B (280-320 nm) spectrums, providing crucial insights into solar exposure and its implications for skin safety. Moreover, the sensor utilizes specialized photovoltaic cells to capture solar radiation data and should offer precise measurements of solar irradiance in watts per square meter (W/m<sup>2</sup>). This data is invaluable for various applications, including solar energy system optimization, weather forecasting, and environmental monitoring.</p> <p><b>Lightning Detector:</b> The lightning detector must have a range of 1 to 25 miles (1.6 to 40 kilometers) with a temperature range of -40 to 158°F (-40 to 70°C). It can detect lightning strikes within a specified range, aiding in the issuance of timely warnings for thunderstorms and electrical storm events.</p> <p><b>Air Quality Index Sensor:</b> This multifaceted sensor should measure various air quality parameters, including carbon monoxide (CO), nitrogen oxide (NO), carbon dioxide (CO<sub>2</sub>),</p>	
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	<p>ozone (O3), fine particulate matter (PM2.5), coarse particulate matter (PM10), nitrogen dioxide (NO2), ammonia (NH3), and sulfur dioxide (SO2). It should provide essential insights into air quality, contributing to health and environmental assessments.</p> <p><b>Power:</b> 4 AA alkaline or lithium batteries (lithium recommended below -4°F / -20°C).</p> <p><b>Internet:</b> It should connect with ethernet and Wi-Fi and can send and store data with high granularity.</p>	
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## TERMS AND CONDITIONS

### 1. Instruction to Bidders:

- a) **General:** Bids are invited through Sealed Envelope for the purchase of supplies and other related items from the authorized distributors and manufacturers on delivery Ex-LUMS.
- b) **Bill of quantities:** The bidder may quote for one or more items showing description and specification of offered items.

### 2. Date & Time of Submission of Tenders:

The interested bidders may submit their bids on the prescribed form, available on written request on the firm / company letter pad from the Procurement office located, Lahore University of Management Sciences, at Opposite Sector U, DHA Lahore along with a postal order/pay order/bank draft / amounting to Rs. 1,500/- (Non-refundable) drawn in favor of Lahore University Of Management Sciences.

All bids must be delivered in procurement office on or before the prescribed deadline of 11:00 am on the date already mentioned above.

Any Bid received by LUMS after the prescribed deadline for submission of bids will be returned unopened to the Bidder.

### 3. Sealing and Marking of Bids:

The bids shall comprise in a Single package containing two separate envelopes each envelope shall contain separately, duly sealed, the "Financial Proposals" and "Technical Proposals". The envelopes shall be marked as "Financial Proposals" and "Technical Proposals" in bold and legible letters to avoid any confusion.

The envelop will be addressed to;  
 Manager Procurement  
 Lahore University of Management Sciences,  
 Opposite Sector U, DHA,

Lahore  
TEL: (042)35608251

The envelopes shall also bear the word “CONFIDENTIAL” and following identifications: -  
If the envelope is not marked, as instructed above, LUMS will assume no responsibility for the misplacement or premature opening of the bid.

**4. Bid Opening:**

LUMS will open the bids, in the presence of Bidder’s representatives who choose to attend at 03:00 pm on the date already mentioned above, in the Procurement office.

**5. Evaluation:**

- a) After opening of bids, LUMS will examine the bids for technical evaluation and completeness of the bids as per tender document.
- b) The bids shall be evaluated on the basis of “Technical proposals” and “Financial Proposals” as under:
  - (i) The envelope for “Technical Proposals” will be opened initially in the presence of the bidders.
  - (ii) The envelope for “Financial Proposals” will be retained unopened.
  - (iii) The “Financial Proposals” envelope of technical responsive bidders will be opened in front of technically qualified bidders after the technical evaluation. The “Financial Proposals” envelope of technically non-qualified bidders will be returned unopened to the bidder.
- c) Bidder(s) who do (es) not qualify cannot challenge the findings of the evaluation or ask for reasons of disqualification.

**6. Earnest Money:**

The bidder must enclose 2% of the total quoted amount as earnest money in shape of pay order/bank draft in favor of Lahore University of Management Sciences. The tenders without earnest money or containing less earnest money will not be accepted. Earnest money of the successful bidder will be refunded after the delivery of the goods.

**7. Change in Quantities:**

LUMS reserves the right to increase/decrease quantities and it will be the responsibility of the supplier/contractor to deliver the item on time and change defective items.

**8. Mode of Payment:**

- a) Payment terms will be credit basis.
- b) In case of advance payment first class bank guarantee or mutually accepted collateral will be provided by the bidder.

**9. NTN/GST Certificate:**

Bidder must mention their National Tax Number (NTN) and General Sales Tax (GST) number (if sales tax registered) and furnish a copy of NTN and GST certificate along with tender.

**10. Tax Deduction:**

Income Tax as per government tax rules will be deducted from the total amount unless an exemption certificate is provided from the income tax department.

**11. Specification Criteria:**

All bids must be submitted according to specification given in the BOQ.

**12. Delivery Time:**

- a) Validity period of the tender will be mutually decided from the date of placement of order. During this period successful bidders will be bound to supply the items on the rates they quoted.
- b) In case the supplier fails to supply the agreed material in time, LUMS reserves the right to reject its offer and confiscate the earnest money deposited.
- c) Delivery will be on Ex-LUMS
- d) Pre-shipment inspection will be done by LUMS if required.

**13. Inspection and Testing**

- a) LUMS representative shall have the right to inspect and / or test the Goods to confirm their conformity to the Purchase order(s) Specifications.
- b) Should any inspected or tested goods fail to conform to the specifications, LUMS may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet specification of LUMS. All costs incurred on such replacements / alterations shall be entirely borne by the supplier, failing to do so, the purchase order(s) will be cancelled and all retained values will be forfeited in favor of LUMS.

**14. Quality of items:**

All item(s) supplied by successful bidder should be wholesome and include all the basic accessories. The additional accessories may be included separately. The offered items(s) should not be of substandard nature.

**15. Warranty:**

As mentioned against each item or for the given period starting from the date of supply.

**16. Penalty:**

For failure to comply with delivery schedule of Purchase Order(s) penalty will be imposed on defaulting bidder as under:

- a) 1% of the cost of entire order or of such items/job as remains un-supplied/not-completed for every day up to maximum of 5% for 10 days exceeding the delivery period unless mutually agreed in writing.
- b) If the material is not supplied even after payment of penalty for 10 consecutive days LUMS reserves the right to cancel the purchase order and to obtain the required items/get the job done from elsewhere at risk and cost of the defaulting contractor. In this scenario the Earnest money will be confiscated.

**17. Grievance Committee**

Supplier can contact the grievance committee of LUMS if required.

**18. Rejection of Bids:**

LUMS reserves the right to reject any or all bids or proposals without assigning any reason.

**19. Other Instructions:**

- a) Bid Prices shall be quoted on Annexure-"A" and also on letter Head duly filled in, stamped and signed by the authorized representative of Bidder.
- b) Bidding Form Annexure-"B" must also be duly filled in, stamped and signed by authorized representative of Bidder.
- c) Quoted price shall be valid for three months from the opening date of the Tender, for placing order however, any subsequent change in taxes and duties as notified by government will be given due consideration.

I/We hereby agree to abide by and fulfill all the terms and conditions of the contract.  
 The sum of Rs. \_\_\_\_\_ is herewith forwarded in the shape of \_\_\_\_\_ as  
 2% earnest money.

**Name and Address of the Firm**

**Company's Stamp**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Name and Signature of company's Representative**

\_\_\_\_\_  
 \_\_\_\_\_

**CNIC:** \_\_\_\_\_



**ANNEXURE “A”**  
**FINANCIAL PROPOSALS**

S. No.*	Name of Item	Qty	DDP(Ex-LUMS)	Total Price	Remarks

\* S.NO as mentioned on BOQ

Authorized Signature of Bidder with seal  
stamp\_\_\_\_\_

Full name of firm \_\_\_\_\_

N.I.C. No. \_\_\_\_\_

Phone no. \_\_\_\_\_ Mobile No. \_\_\_\_\_

**ANNEXURE-"B"**

**TECHNICAL PROPOSALS**

<b>S. No.*</b>	<b>Name of Item(s)</b>	<b>Specifications / Brand</b>	<b>Qty</b>

\* S.NO as mentioned on BOQ

Authorized Signature of bidder with seal stamp

\_\_\_\_\_

Full name of firm \_\_\_\_\_

N.I.C. No. \_\_\_\_\_

Phone no. \_\_\_\_\_ Mobile No. \_\_\_\_\_

Note: Attach technical brochure producing detailed specifications for all the offered items(s).

### **BIDDING FORM**

**Date:** \_\_\_\_\_

Lahore University of Management Sciences.  
Lahore

Gentleman

1. Having examined the conditions to Tender and Specifications of Tender No LUMS/237/2024 DATED: 27.12.2024, the receipt of which is hereby acknowledged. We the undersigned, offer to supply and deliver in conformity with specifications mentioned in BOQ and conditions of Tender for the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) or such other sums as may be ascertained in accordance with the said Conditions.
2. If our Bid is accepted, we shall deliver the required supplies mentioned in the tender documents within \_\_\_\_\_ days from the date of receipt of your firm Purchase Order.
3. We agree to abide by the terms and conditions of the Tender for the period of \_\_\_\_\_ from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
4. Until a formal Purchase order(s) is placed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
5. We understand that you are not bound to accept the lowest or any proposal you may receive or to inform us of the rejection of our bid or to give any reasons thereof.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2024.

Signature \_\_\_\_\_ in the capacity of \_\_\_\_\_ duly  
authorized to sign Tender for and on behalf of

\_\_\_\_\_  
(NAME OF FIRM IN BLOCK CAPITALS)

Complete Address: \_\_\_\_\_

Fax No. \_\_\_\_\_ Telephone No. \_\_\_\_\_

(SIGNATURE)

Witness :-1. \_\_\_\_\_ 2 \_\_\_\_\_