

# Tender Document

## LUMS

**TENDER NO. LUMS/218/2023 DATED: 27.10.2023 for “UPS and AVR”**

**Last Date for submission of bids** 15/11/2023 till 11:00am

**Opening of bids** 15/11/2023 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**

#### **Tender Specifications for UPS and AVR**

##### **1.0 UPS 45 KVA 3 Phase in/3 Phase Out Online (QTY:02)**

Three-Phase Uninterruptible power supply UPS **40 - 45 KVA/KW Three Phase in Three Phase Out** with a **Redundant Architecture N+1**, ONLINE Double Conversion type, with the Redundant Feature The available UPS power and redundancy level can expand vertically. Up to four complete Power Cabinets can be connected in parallel.

Easy to integrate power protection solution: the end user can easily increase power, redundancy level, and battery autonomy by simply adding additional UPS Power Modules (PM) and Battery Units (BU).

##### **It is designed to protect:**

- Any critical high-density computer and IT environment
- Data centers
- Critical loads

The Battery Unit also contains dedicated internal protection and a sophisticated control system to monitor the status of each module.

A sizeable, at least 7-inch LCD touchscreen control panel enables user-friendly communication, while the UPS is fully compatible with network communications software, which allows for monitoring and shutdown of all connected devices.

## Technical Specifications:

UPS Capacity (Redundant) Modular Architecture	40 - 45KVA/KW
Cabinet type:	Standard/Combo Cabinet OR Equivalent
Three-Phase Power Module Nominal Power (Named PM):	15 - 40 KVA/KW
Output power factor [PF] :	1
Parallel able (up to)	4
In Put Voltage Range:	380 / 400 / 415 V three-phase + N
Frequency Tolerance:	40 -70 Hz
Output Voltage Range:	380 / 400 / 415 V three-phase + N
Dynamic stability:	EN62040-3 class performance 1 non-linear load
Out Put Frequency:	50 Or 60 Hz
MODULAR BATTERIES:	Cabinet Type
BYPASS (Rated voltage)	<b>380 / 400 / 415 V three-phase + N</b>
Battery Features:	VRLA batteries lined up inside BU; Constant voltage and current measuring at BU level; Battery status monitoring via Multi Power LCD display
Protection rating:	IP20 finger-proof (either with cabinet doors open or closed)
Noise (at 1 m):	<63 dBA +_ 2
Standards:	European directives: L V 2014/35/EU low voltage; EMC 2014/30/EU electromagnetic compatibility -- Directive & Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 - category C2; RoHS compliant -- Classification in accordance with IEC 62040-3 VFI - SS - 111
Backup Time	15 Minutes with Full Load.

## 2.0 Automatic Voltage Regulator (AVR) (QTY:02) Three Phase Fully Automatic Servo Base topology 3 phase-in / 3 phase-out

### Features:

- Three-Phase Individual Control
- Topology: Servo Motor Type
- Wide power and voltage interval
- Fast Regulation/High Precision Regulation Output
- Full Protection: Overcurrent, Low and High Voltage, Surge, Spike, and Short Circuit Protection.
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency

- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Digitally displayed status, input & output measurements

### Technical Specifications:

<b>AVR Capacity</b>	60KW 3-Phase in / 3-Phase Out
<b>Topology:</b>	Servo Base
<b>In Put Volt Correct Interval</b>	275 – 450/304-456V VAC
<b>Operating Frequency:</b>	45/65 Hz/ 50/50 Hz
<b>Line Input Protection:</b>	Overcurrent, Low, and High Voltage Protection
<b>Out Put Voltage Range:</b>	380 / 400 / 415 V +- 2- 3%
<b>Cooling:</b>	Smart Fan Systems
<b>Working Principle:</b>	Servo Motor Microprocessor controlled Full Automatic.
<b>Output Protections:</b>	Protec Load by opening the circuit when overburdened
<b>Mechanical Bypass:</b>	Manual Controlled Line

## 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.
- c) **The vendor is required to quote in PKR currency and delivery is on DDP Incoterms.**

### 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 11:00 am 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 DDP.
- 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**

<b>S. No.*</b>	<b>Name of Item</b>	<b>Qty</b>	<b>Inco Terms DDP</b>	<b>Total Price</b>	<b>Remarks</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. \_\_\_\_\_

**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/218/2023 DATED: 27.10.2023, 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 \_\_\_\_\_ 2023.

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. \_\_\_\_\_