



**KERALA AGRICULTURAL UNIVERSITY**  
**Regional Agricultural Research Station, Kumarakom - 686563**  
Phone: 0481-2523120 E-mail: [rarskum@kau.in](mailto:rarskum@kau.in)



No: ACADE2/2871/2024

Date: 28/11/2024

**TENDER NOTICE**

Tender Number	ACADE2/2871/2024 Dated 28/11/2024
Tender Cost	Up to Rs.10 Lakh (0.2% of cost of work subject to a minimum of Rs. 500 and maximum of Rs. 2000 + GST@18%) Above Rs.10 Lakh (Rs. 2500 + GST@18% )
Date and time for receipt of tender	<b>13/12/2024 at 11.00am</b>
Last date and time for opening of tender	<b>13/12/2024 at 11.30 am</b>
Designation and address of officer to whom the tender is to be addressed	The Associate Director of Research, Regional Agricultural Research Station, Kumarakom, Kerala Agricultural University Kavanattinkara Kumarakom, Kottayam District, Kerala 686563
Place of supply	Kavanattinkara, Kumarakom, Kottayam District, Kerala 686563
<b>Superscription: Tender for supply and installation of IT Equipments for Establishment of Computer Lab for B.Sc(Hons.)Ag. Programme at RARS Kumarakom</b>	

Sealed tenders are invited from competent firms for the supply and installation of equipments required for the setting up of computer lab for the B.Sc (Hons.)Ag. Student in a RARS, Kerala Agricultural University, Kumarakom, Kottayam with specifications as given in **Annexure**.

## **Terms and conditions**

1. Separate rate quoted should be submitted for each item. The tender should be in the sealed cover and to reach the undersigned on or before 13/12/2024 at 11.00 am. Late tenders will be rejected.
2. **Tender form**  
The tender form may be downloaded from the website [www.kau.in](http://www.kau.in)
3. The cost of tender form + GST and EMD will be accepted by way of separate DDs in favour of The Associate Director of Research , Regional Agricultural Research Station, Kumarakom, Kottayam District, Kerala, Pin 686563 payable at SBI,Kumarakom (Branch code 70116)
4. **Earnest Money Deposit:** An EMD (1% of the amount quoted subject to minimum of Rs.1500/-) should be remitted by separate DD drawn in favour of The Associate Director of Research , Regional Agricultural Research Station, Kumarakom, Kottayam District, Kerala, Pin 686563 payable at SBI,Kumarakom (Branch code 70116) .The tender should be accompanied by an agreement in Kerala stamp paper worth Rs. 200/- (Rupees Two hundred only) in the format that can be downloaded from the website [www.kau.in/tenders](http://www.kau.in/tenders)
5. **The sealed cover containing the tender documents should be superscribed as “Tender for supply and installation of IT Equipments for Establishment of Computer Lab for B.Sc(Hons.)Ag. Programme at RARS Kumarakom”. The cover should contain the Tender Form, DDs for tender cost +GST, EMD and the Agreement as mentioned above**
6. The successful tenderer/bidder should execute an agreement in Kerala Stamp paper worth Rs. 200/- (Rupees Two hundred only) and furnish a performance guarantee of 5% of cost of the rate quoted in the form of term deposit/bank guarantee drawn in favour of The Associate Director of Research , Regional Agricultural Research Station, Kumarakom, Kottayam District, Kerala, Pin 686563, payable at the State Bank of India, Kumarakom (Branch code 70116), when directed from this office.
7. The prices quoted should be inclusive of all taxes, duties, cesses, transportation charge and also connected expenses if any. The rate will be valid up to one year from the date of acceptance. The item should be supplied at our premises.
8. The Associate Director has the right to accept or reject any or all offers without assigning any reason.
9. The successful tenderer shall initiate the work/supply the item within one week of award and should finish the supply within one month.
10. If any hartal/strike/any unexpected holiday occurs on the date of opening of tender, the tender will be opened at the same time on the next working day
11. All the rules and regulation applicable to Government tender will be applicable to this tender also.
12. Firms which are exempted from payment of EMD should furnish copy of the currently valid certificates from store purchase Department , Govt. of Kerala

**Special Conditions:**

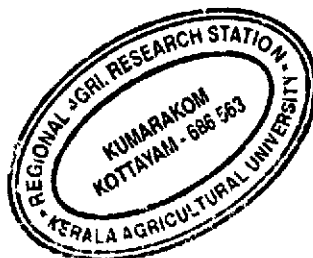
1. Tender insisting payment in advance either full or part for releasing the documents through bank are liable for rejection.
2. Leaflets/brochures containing specification/ technical features on the different models of the items quoted should be attached with the tender.
3. In the case of electrically operated equipment, the circuit diagram will have to be supplied.
4. Payment will be made after satisfactory installation and demonstration of the equipment.
5. Operation manual and guarantee cards of the equipments wherever required should be supplied along with equipment.
6. The supplier should attach the client list for the equipments along with their performance certificate, spare parts availability and services facilities at or nearest to the station.
7. Details of warranty offered should be clearly stated in the tender details of maintenance service contract offered after expiry of normal warrantee and after-sales service facilities available should be indicated.
8. The under signed reserves the authority to accept or reject any or all of the offers for any particular item without assigning any reason whatsoever.
9. Complete deduction or reduction in number of any equipment listed, if necessary, at the time of purchase without assigning any reason will be at the discretion of the Associate Director.
10. The decision of the under signed in finalizing the tender shall be final and binding.

\*Enquiries if any may be mailed to [rarskum@kau.in](mailto:rarskum@kau.in) or contact 8078799930 (Sri. Vishnu .B, Associate Professor & Officer i/c(IT)

*Krishnakumari*  
ADMINISTRATIVE OFFICER  
For Associate Director

To: Notice Board

KAU web site ([www.kau.in](http://www.kau.in)>tenders)



**ANNEXURE**

**Server: (one number)**

<b>Feature</b>	<b>Specifications</b>
Form Factor	Tower chassis about 17 litres with 1-Socket
Processor	Intel ® XEON E-2324G 4C 65W 3.1GHZ 8MB Cache
GPU	NVIDIA Quadro T1000 PCIe Active GPU
Memory	1x16 GB 3200MHz DDR4 ECC server memory 4x UDIMM slots supporting up to 128GB
Storage	3 bay ready 2x 3.5" HDD: 2 X 2TB Enterprise SATA 3.5" HDDs 1x2.5" SSD support 1x M.2 NVMe SSD (2280 form factor) support 1x slim SATA DVD-RW in dedicated bay support
RAID	Intel VROC 6.x SW RAID, HW RAID support
Cooling	2x system fans (Front drive bay and rear), 1x CPU fan
Networking	1x 1GbE Embedded (Intel I219-LM)
Management	Intel AMT 15 Management - TPM embedded: TPM 2.0 USB based system setup and firmware Manager
PCIe Slots	3 PCIe slots (x16, x4, x1)
Front I/O	Power button & LED Thermal sensor 1x USB 3.2 G2 (10 Gbps) with USB-C connector 2x USB 3.2 G1 (5 Gbps); 2x USB 3.2 G2 (10 Gbps) ports 1x Microphone port, 1x Headset port
Rear I/O	4x USB 3.2 G1 (5 Gbps) ports 2x DP Ports 1x Serial port 1x 1GbE LAN 1x Audio line out
Power Supply	1x Fixed power supply 300W/500W
Peripherals	Keyboard and Mouse
Warranty	3 years on-site

**Server Operating System: Microsoft ® Windows Server 2025 STD OEM**

## Workstations: (five numbers)

Feature	Specifications
Form Factor	Small Form Factor
Processor	Intel® Core i5 6500 2.8 GHz 8 MB Smart Cache
Memory	1x8 GB 2133 MHz / 2400 MHz DDR4 UDIMM 2x UDIMM slots supporting up to 32GB
Storage	Hard drive: one 3.5" HDD or two 2.5" SSD slots Solid State Drive: One 2.5" and/or one m.2 PCIe SSD slots 256 GB NVME SSD
Communication	Gigabit Ethernet LAN 10/100/1000 controller
PCIe Slots	3 PCIe slots (x16, x4, x1)
Front I/O	Universal audio jack: One USB 3.1 Gen 1 : Two USB 2.0 : Two
Rear I/O	USB 3.1 Gen 1: Two USB 2.0: Two Line out: One HDMI Port: One DisplayPort: One Network port RJ-45: One Power connector port: One
Power Supply	180 W, 230V
Peripherals	Keyboard and Mouse
Operating System	Microsoft® Windows 11 Pro
Warranty	1 year on-site

## **On-line UPS: (one number)**

Power rating: 3000 VA/2400 W

Power Factor: 0.8 PF

Input Voltage Range: 160 – 280 Vac

Built-in Automatic Bypass

Cold Start Capability

Efficiency: >89%

Generator Compatible: Input Frequency range (40 – 70 Hz)

Nominal output voltage 230 V

Output frequency 50/60 Hz  $\pm$  3 Hz (

Topology Double-conversion on-line

Waveform type Pure sine wave

Remote UPS shutoff

Rackmount 2U, 230V

Intelligent Card Slot

UPS Management Software for Unattended Shutdown of Servers and Workstations

Communications and management

Interface ports: Serial RS-232, USB (Type B), Intelligent Slot

Control panel LED indicators, multi-function LCD, status and display console

Emergency Power Off (EPO): NC contacts

International Protection Code: IP20

Regulatory approvals : BIS certified

Warranty: 2 years or more on-site

**Battery for the online UPS: : 6 No.s /as per the requirement of the UPS**

Type: Small sized Valve Regulated Lead -Acid Batteries (SMF) conforming to JISC: 8702/1998 (Part 1,2 & 3) with latest amendments

Nominal Voltage of Battery: 12 volts

Rated Capacity at C20 Discharge: 100 AH

Material of Container: PP

Warranty: 2 years or more on-site

The battery should conform to specifications as per Test Reports From Central Govt./NABL/ILAC Accredited Labs Showing Conformity To The Specifications

Battery STAND & Connecting CABLES

## Networking

**Network Switch:** 16-Port Gigabit Metal ICES-003 Class A certified Switch

IEEE 802.3x Flow Control

Auto MDI/MDI-X crossover for all ports

Gigabit Ethernet for all ports

Number of Ports: 16 10/100/1000 Mbps ports

Cable Diagnostics : Indicated through port LEDs

Protocol: CSMA/CD

**Cabling:** 30 meters with CAT6 cable conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest with certificate from ERTL/ETL /Intertek/3P /GHMT /Delta/UL as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest

Cable category: CAT6 U/UTP

Conductor diameter 0.57 mm (23 AWG)

Conductor count (in Nos.,) 8

PC Points with box, ethernet RJ45 socket and CAT6 (as specified above) patch cable: 6 no.s

## Network-attached storage (NAS)

### **Enclosure:**

CPU: 2.6 GHz AMD Ryzen R1600 Dual-Core

Memory: 4GB of DDR4 RAM

RAID: 0, 1, 5, 6, 10, Hybrid, Basic, JBOD

### Storage

Drive Bays 4

Maximum Drive Bays with Expansion Unit 9 (DX517 x 1)

M.2 Drive Slots 2 (NVMe)

### Compatible Drive Type

3.5" SATA HDD

2.5" SATA SSD

M.2 2280 NVMe SSD

Hot Swappability for Drives

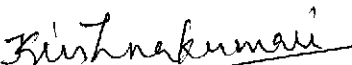
### External Ports

RJ-45 1GbE LAN Port 2

USB 3.2 Gen 1 Port 2

Expansion Port 1 eSATA

**NAS Drives:** 2 no.s 2TB NAS HDDs compatible with the enclosure

  
ADMINISTRATIVE OFFICER  
For Associate Director

