



KERALA AGRICULTURAL UNIVERSITY
 Directorate of Information Systems
 KAU Main Campus, KAU P.O., Thrissur-680656
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No. KAUDIS/41/2023-DIS A1

Dated: 04.12.2023

TENDER NOTICE

Kerala Agricultural University invites sealed Tenders from Service provider/ firm/ Supplier/ Contractor for “10 G 48 Port Office Distribution Switch” in its Vellanikkara campus as per the schedule of requirements given, meeting the technical specifications, subject to the terms and conditions mentioned below.

Important Information

Bid Inviting Authority	Directorate of Information Systems, Kerala Agricultural University
Contact Person	Director, Directorate of Information Systems, Academic Block 1, College of Agriculture, Vellanikkara. KAU– PO, Thrissur – 680656. Ph: 0487-2438183
Mode of Tender Submission	Direct/ By post**
Nonrefundable Tender document fee	Tender Fee: 0.2% of the cost of tender rounded to the nearest multiple of 100, subject to a minimum of Rs. 400/- and maximum Rs.1500/- + 18% GST
Earnest Money Deposit (EMD) payable *	1% of quoted amount (to be remitted as separate DD drawn in favor of Director, Directorate of Information Systems, payable at SBI, Vellanikkara)
GST Rate Applicable	As per GST rules
Last Date of Submitting the Tender Documents	19.12.2023 3 PM
Opening of Tenders	20.12.2023 11 AM

* Exemption is allowed to MSME companies as per Govt. rules.

**In the case of Courier, ensure the company has delivery at this office

Specification**D) 10G Switch**

HARDWARE FEATURES		
	Interface	16× 10GE SFP+ Slots
	Fan Quantity	1
	Power Supply	Dual Redundant Power Supplies 100-240 V AC~50/60 Hz
	Mounting	Rack Mountable
	Body	Metallic
PERFORMANCE		
	Switching Capacity	320 Gbps
	Packet Forwarding Rate	238.08 Mpps
	MAC Address Table	32 K
	Packet Buffer Memory	24 Mbit
	Jumbo Frame	9 KB
L2 and L2+ Features		
	Link Aggregation	- Static link aggregation - 802.3ad LACP - Up to 8 aggregation groups, containing 8 ports per group
	Spanning Tree Protocol	- 802.1d STP - 802.1w RSTP - 802.1s MSTP
	Loopback Detection	- Port based - VLAN based
	Flow Control	- 802.3x Flow Control - HOL Blocking Prevention
	Mirroring	- Port Mirroring - CPU Mirroring - One-to-One - Many-to-One - Tx/Rx/Both
	VLAN	VLAN Group Max 4K VLAN Groups 802.1Q Tagged VLAN MAC VLAN: 30 Entries Protocol VLAN: Protocol Template 16, Protocol VLAN 16 Private VLAN
L3 Features		
	Static Routing	- 48 static routes
	Static ARP	- 128 Static Entries
	DHCP Server	YES
	DHCP Relay	- DHCP Interface Relay - DHCP VLAN Relay
Security		
	IP-MAC-Port Binding	- 512 Entries

		- DHCP Snooping - ARP Inspection - IPv4 Source Guard: 100 Entries
	Protection	DoS Defend Static/Dynamic Port Security Broadcast/Multicast/Unicast Storm Control with kbps/ratio control mode
	802.1X	- Port base authentication - Mac base authentication - VLAN Assignment - MAB - Guest VLAN - Support Radius authentication and accountability
MANAGEMENT		
	SDN	Integration with Software/Cloud based SDN
	Other	<ol style="list-style-type: none"> 1. Web-based GUI 2. Command Line Interface (CLI) 3. Console port, telnet <ul style="list-style-type: none"> • SNMP v1/v2c/v3

II) 10G SFP+ Module

HARDWARE FEATURES		
	DDM	Yes
	SFP-MSA	Yes
	Hot Swappable	Yes
TRANSCEIVER		
	Standards and Protocols	IEEE 802.3ae, TCP/IP
	Wave Length	1310 nm
	Power Supply	3.3V
	Fiber Type	9/125um Single-Mode
	Max. Cable Length	10 km
	Data Rate	10 Gbps
	Port Type	LC Duplex
WARRENTY	OEM Warranty of 3 years	

III) 10G BASE-T RJ45 SFP+ Module

HARDWARE FEATURES		
	Hot Swappable	Yes
TRANSCEIVER		
	Standards and Protocols	IEEE Std 802.3, 802.3ab, 802.3bz, 82.3an
	Power Supply	3.3V
	Max. Cable Length	100BASE-TX: UTP cat .5 or above (max. 100m) 1000BASE-T/2.5GBASE-T/ 5GBASE-T: UTP cat.5e or

		above (max. 100m) 10GBASE-T: UTP cat.6a or above (max. 30m)
	Data Rate	10.3 Gbps
	Port Type	1× 10G RJ45 Port

BOQ

Sl. No	Item	Qty
1.	10G Switch	1 No.
2.	10G BASE-T RJ45 SFP+ Module	16 Nos.
3.	10G SFP+ Module	4 Nos.

Terms and conditions:

1. The Tenders superscribed “10 G 48 Port Office Distribution Switch” should be addressed to the Director of Information Systems, Academic Block 1, College of Agriculture, Vellanikkara. The last date for the receipt of filled in Tenders is 3 PM on 19.12.2023 and the same will be opened at 11 AM on 20.12.2023 in the presence of tenderers or their authorized representatives who may be present at that time. The cost of tenders has to be remitted in the by means of DD or cheque drawn in the name of Director of Information Systems, Kerala Agricultural University.
2. Tender should be submitted in the prescribed form which can be downloaded from the website www.kau.in/tenders. The cost of the tender forms will not be refunded under any circumstances.
3. Each tender should be accompanied by an Earnest Money Deposit of 1% of the total quoted amount in the form of demand draft drawn in favour of Director of Information Systems, Kerala Agricultural University payable at SBI, Vellanikkara branch. The tender should be accompanied by an agreement in Kerala Stamp Paper worth Rs.200/- (Rupees Two Hundred only) and format can be downloaded from the above website. Withdrawal of tenders after its acceptance or failure to supply the items or supplies not in accordance with the specification will entail cancellation of the tender. The successful tenderer should supply the item to Directorate of Information Systems, Vellanikkara within ten days from the date of the receipt of supply order. The Director of Information Systems reserves the right to remove the defaulted name from the list of suppliers permanently or for a specific period.
4. The successful tenderer should execute an agreement in Kerala Stamp Paper worth Rs.200/- (Rupees Two Hundred only) and furnish a security deposit of 5% of the cost of the entire quantity of items quoted in the form of term deposit/ bank guarantee/ demand draft drawn in favour of Director of Information Systems, Vellanikkara. The format for the agreement can be downloaded from the KAU website.
5. The cost of the items should be quoted inclusive of all taxes and applicable charges.
6. The rate shall be valid for a period of one year from the date of acceptance of tender.
7. The Director of Information Systems, KAU reserves the right to accept or reject

any or all of the offers without assigning any reason.

8. If any Hartal/ Strike/ any unexpected holidays/ Covid restrictions occur on the date of opening of tender, the tender will be opened at the same time on the next working day.
9. All the rules and regulations applicable to Government Tenders will be applicable to this tender also.
10. Marked Data Sheet of the above items should be enclosed along with tender documents.



Director of Information Systems

To

- a. Notice Board
- b. KAU website (webteam to upload)
- c. Systems Manager, DIS