KERALA AGRICULTURAL UNIVERSITY
Directorate of Information Systems
KAU Main Campus, KAU P.O.**,** Thrissur-680656
e-mail: dis@kau.in Phone: +91-487-2438182

TENDER NOTICE

      Kerala Agricultural University invites sealed Tenders from Service provider/ firm/ Supplier/ Contractor for "**24 Port Fiber Switch and Accessories**" in its Vellanikkara campus as per the schedule of requirements given in the BOQ, meeting the technical specifications, subject to the terms and conditions mentioned below.

Important Information

Bid Inviting Authority	**Directorate of Information System**, 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	11.09.2023 5 PM
Opening of Tenders	12.09.2023 12 PM

* Exemption is allowed to MSME companies as per Govt. rules.
**In the case of Courier, ensure the company has delivery at this office

Specification

	Item	Specification		Qty
1	**24 Port SFP Switch**	Hardware Architecture	1. Modular and Stackable Architecture to provide Scalable network	01
			2. It should support Redundant Power Supply from day 1	
			3. Minimum **24** interfaces of 100/1000 BaseX SFP	
			4. 2X SFP+ Uplink Ports	
			5. Each switch should have non-blocking switching capacity of **128Gbps or more**	
			6. Each switch should have Forwarding rate of minimum **90** Mpps.	
			7. Compatible SFP/SFP+ transceivers from the same OEM must be loaded as per the requirement	
		L2 features	8. IEEE 802.1D (STP),802.1s (MSTP),802.1w (RSTP)	
			9. IEEE 802.1Q VLAN	
			10. IEEE 802.3ad (Link Aggregation)	
			11. IEEE 802.1p (CoS)	
			12. Support for at least 4K VLANs.	
			13. Support for Up to 2k ACLs	
			14. Should support minimum 16K MAC Addresses	
			15. 9K Jumbo frames	
			16. IGMP v1, v2 and v3	
			17. Link Aggregation based on 802.3ad across the switches	
		Quality of Service (QoS)	18. 8 hardware queues per port	
			19. Ingress Policing and Egress Shaping	
			20. 802.1p/Tos/Diffserv marking and mapping	
			21. IEEE 802.3x (Flow Control)	
		Security & Management	22. Standard and extended ACLs on all ports	
			23. Secure Shell (SSH) Protocol, HTTPS, SSL, LDAP and DoS protection	
			24. IP Anti-Spoofing, IEEE 802.1x, DHCP snooping and DHCP Option 82	
			25. SNMPv1, snmpv2 and v3	
			26. Support management using CLI, GUI using Web interface.	

		27. Should support software rollback/image rollback to last good known configuration	
		28. Support FTP/TFTP for upgrading the operating System	
		29. Should support 802.1x on all ports	
		30. IEEE 802.1ag (Connectivity Fault Management)	
	Environmental	31. UL,FCC	

2	SFP-GIG-LX 1G SM fiber transceiver-Duplex	2.1 Maximum distance of up to 10 km 2.2 Hot-pluggable 2.3 Single-mode fiber 2.4 1000BASE-LX (IEEE 802.3z standard) 　 2.5 Duplex/Simplex LC connector 2.6 MSA, RoHS-compliant	10 Pairs
3	SFP-GIG-LX 1G SM fiber transceiver-Simplex	3.1 Maximum distance of up to 10 km 3.2 Hot-pluggable 3.3 Single-mode fiber 3.4 1000BASE-LX (IEEE 802.3z standard) 3.5 Duplex/Simplex LC connector 3.6 MSA, RoHS-compliant	22 Pairs
4	SFP-10G-LR 10G SM fiber transceiver	4.1 Wavelength (nm) 1310 4.2 Core Size (Microns) G.652 4.3 Cable Distance 10KM 4.4 Transmit and Receive Wavelength (nm) 1260 to 1355 4.5 Transmit Power (dBm) Maximum: 0.5Minimum: -8.2 5.5 Receive Power (dBm) Maximum: -0.5Minimum: -14.4 5.6 Compliance:-MSA SFF-8431, RoHS	01 Pair
5	SC to LC Fiber Patch Code	5.1 Cable Type:Eternet Fiber 5.2 Length 50 CM or above 5.3 Connector Type Fiber Optic LC/PC to SC/PC	40 Nos
6	SC to SC Fiber Adapter	5.1 Connector Type Optical 5.2 Cable Type Fiber Optic 5.3 Connector Gender Female to Female	40 Nos

Terms and conditions:

1. The Tenders superscribed "KAUDIS/40/2023-DIS A1 Supply of 24 port 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 5 pm on 11/09/2023 and the same will be opened at 12 pm on 12/09/2023 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. Data Sheet of the above items should be enclosed along with tender documents the specification

parameters are highlighted /Marked in the data sheet for better evaluations.

Director of Information Systems

To

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