


Kerala Tenders		eTendering System Government of Kerala		
		Tender Details		
		Date : 27-Oct-2023 05:29 PM		
		 Print		
Basic Details				
Organisation Chain	Directorate of Technical Education Govt Womens Polytechnic College Kaimanam			
Tender Reference Number	01/2023/D/1094/21/GWC-KMN/SN			
Tender ID	2023_DTE_616444_1	Withdrawal Allowed	Yes	
Tender Type	Open Tender	Form of contract	Supply and Service	
Tender Category	Goods	No. of Covers	2	
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	Yes	
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No	
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No	
Payment Instruments		Cover Details, No. Of Covers - 2		
Online Bankers	S.No	Bank Name	Cover No	
	1	SBI MOPS		
			Cover	
			Document Type	
			Description	
			1	
			all pdf details related to Technical bid	
			.pdf	
			Technical bid, item detailed specification brochure and OEM Certificate, Supplier certificate etc	
			2	
			Price Bid for Bidders in BOQ only	
			.xls	
			Price bid to be quoted in finance bid. Those who show Price detail in Technical will be disqualified	
Other Important Documents				
S.No	Category	Sub Category	Sub Category Description	Format/File
1	Certificate Details	Permanent Account Number	Permanent Account Number	
2	Certificate Details	Registration Certificate	Registration Certificate	
3	Certificate Details	Bidders Address Format	Bidders Address Format	
4	Certificate Details	Service tax registration No	Service tax registration No	
5	Financial Details	Bankers Details	Bankers Details	
6	Miscellaneous	Miscellaneous Docs	Miscellaneous Docs	
7	Miscellaneous	Work Completed Certificate Copies	Work Completed Certificate Copies	
8	Miscellaneous	Company profile	Company profile	
9	Miscellaneous	Tender documents	Tender documents	
10	Work Details	Works Completed Details	Works Completed Details	
11	Work Details	Quantity of Work Done Details	Quantity of Work Done Details	
12	Work Details	Principle place of Business	Proposed SubContractors Details	

Tender Fee Details, [Total Fee in ₹ * - 1,500]				EMD Fee Details			
Tender Fee in ₹	1,500			EMD Amount in ₹	8,340	EMD through BG/ST or EMD Exemption Allowed	Yes
Fee Payable To	Nil	Fee Payable At	Nil	EMD Fee Type	fixed	EMD Percentage	NA
Tender Fee Exemption Allowed	Yes			EMD Payable To	Nil	EMD Payable At	Nil

[Click to view modification history](#)

Work / Item(s)					
Title	Supply and Installation of Firewall, Switch, Access point and Tranceiver for Campus networking				
Work Description	.				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	8,34,000	Product Category	Equipments	Sub category	Computer Networking
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	20
Location	Computer Engineering Department	Pincode	695040	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Computer Engineering Department
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates			
Publish Date	27-Oct-2023 06:55 PM	Bid Opening Date	13-Nov-2023 09:00 AM
Document Download / Sale Start Date	27-Oct-2023 06:55 PM	Document Download / Sale End Date	10-Nov-2023 06:55 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	27-Oct-2023 06:55 PM	Bid Submission End Date	10-Nov-2023 06:55 PM

Tender Documents					
NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	NIT	572.29	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_924158.xls	Price Bid for Bidders	309.00

Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name

1.	kapstvm@gmail.com	Kapil Sreedhar	Kapil Sreedhar
2.	shyjuemani@gmail.com	Shyju E Mani	SHYJU .E. MANI
3.	beenakarthika@yahoo.com	Beena S	BEENA S
4.	hemasalomy@gmail.com	Hema T S	HEMA T S

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Show Bids Details	No
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	3
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No
Show Bid Details in Public Domain stage	Technical Bid Opening		

Tender Inviting Authority

Name	The Principal
Address	THE PRINCIPAL GOVERNMENT WOMENS POLYTECHNIC COLLEGE, KAIMANAM, THIRUVANANTHAPURAM KERALA Mob-9400006417 Ph-04712491682, 9497682981(For Technical related queries) Email-wptctvm@yahoo.co.in

Tender Creator Details

Created By	Kapil Sreedhar
Designation	Clerk
Created Date	26-Oct-2023 09:35 PM

Notice Inviting E-Tender

E-Tender Reference No	: 01/2023/D/1094/21/GWC-KMN/SN
E-Tender ID	: 2023_DTE_616444_1
Superscription	: Supply and Installation of Firewall, Switch, Access point and Tranceiver for Campus networking
Last Date & Time of Receipt of E- Tenders (online – www.etenders.kerala.gov.in)	10-Nov-2023 06:55 PM
Date & Time of opening of E-Tender	13-Nov-2023 09:00 AM
Date up to which the rates are to be firm	180 Days from the date of opening tender.
Cost of E-Tender	Rs.1500/-.(Tender fee Rs.1500/-+Rs.270/- GST @18%(Online remittance). (Rs.1500/- should be paid on E-Tender Website and Rs 270/- should be paid on reverse charge basis while filing returns
EMD Required	Rs.8,340/- (Online remittance).
Address of the Officer to whom communications are to be sent	THE PRINCIPAL GOVERNMENT WOMENS POLYTECHNIC COLLEGE, KAIMANAM, THIRUVANANTHAPURAM KERALA Mob-9400006417.(Principal) Ph-04712491682, Computer Engineering Department - 9497682981(For Technical related queries) Email- wptctvm@yahoo.co.in with cc to purchase@gwptctvpm.org
List of Items to be Supplied	Detailed specification enclosed below or visit 1) www.etenders.kerala.gov.in 2) https://gwptctvpm.org/ 3) http://www.dtekerala.gov.in

1. General Terms and Conditions

Note: The dates furnished above are subject to revision. All rules and regulations will be subject to Store Purchase Manual of Kerala Government Only. Bidders are requested to bid and act as per the instructions of Store Purchase Manual only.

- i. Any defects in specification/tender called for/Clarifications should be notified by Bidder to Tender Inviting authority when NIT is called for through official email /Phone. Complaints if any given by Bidders regarding specification after Technical Evaluation is completed and published is not entertained.
- ii. This tender document is not transferable. Tender Documents shall be available only on E-Tender Website and will not be available for sales elsewhere.
- iii. GWPTC-KMN reserves the right to amend or cancel the tender in part or in full without prior notice at any point of time.
- iii. If GWPTC-KMN deems it appropriate to revise any part of this NIT or to issue additional data to clarify an interpretation of provisions of this NIT, it may issue supplements to this NIT. Any such supplement shall be deemed to be incorporated by this reference to this NIT.
- iv. GWPTC-KMN reserves the right to reject the bid of parties who have failed to provide adequate after sales support for the products supplied against various orders to other Government institutions, and for irregular or non standard equipment supplied earlier, such suppliers will not be considered for the subsequent tenders
- v. Bidder/Supplier shall **upload original specification compliant product brochure details, OEM certificate , OEM distributor/supplier certificate, Detailed Data Sheet** are to be uploaded in the E-Tender website as per the order/bid offered. **Sampling of products would be called for as per requirement given from department concerned during technical evaluation.** The bidder has to compulsorily give brand name, model name, and customer list, complete Catalogue/brochure of the offered item and material of construction, experiments' details (if applicable).
- vi. LD will be charged for delayed supply. Furthermore, if the delay exceeds 4 weeks after the scheduled date of supply, such suppliers will not be considered for the subsequent tenders. If the supplier is unable to supply due to various reasons after receipt of supply order, it may be urgently intimated to Purchase section via concerned department for which supply was issued so as to enable the purchase section to give supply order to the next eligible firm.
- vii. The Special Instructions to the Contractors/Bidders for the e-submission of the bids are given under "Help to Contractors" in website <http://etenders.kerala.gov.in/nicgep/app>.
- viii. **e-Tender tax rate is 18%.** The firm bidding for E Tender must **pay the GST on reverse charge basis while filing his returns.** The supplier of services **may claim the input tax credit** on the amount of tax paid under reverse charge mechanism subject to the **provisions of Input Tax Credit Rules.** Source- <http://keralataxes.gov.in/2017/08/21/faq-for-government-departmentslocal-authorities-and-other-line-departments/>
- ix. **The "Seller(s)"/ Bidders on eProcurement System will be the OEMs (Original Equipment Manufacturers) and/or their authorized channel partner(s)/ resellers (having any general authorization / dealership of the OEM to sell their product in open market). Any bids without valid authorization letter from OEM would be termed unresponsive and summarily rejected.**
- x. **Bidder should be a registered Company in India. Bidder should have Direct Office & Service Centre in Kerala.The incorporation certificate should be submitted.**

- xi. **NIT and all other documents uploaded by GWPTC-KMN should be E-signed and uploaded by Bidder as a token of acceptance of all tender conditions. Non responsive bidders will be outright rejected.**

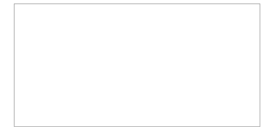
2. Additional Terms and Conditions

1. Previous Experience if any of having Supplied and implemented this system successfully in various Government Engineering and Polytechnic Colleges/Departments/PSU/Universities under Government of Kerala preferred (Supporting documents to be produced).
2. Bidder should have completed similar 3 installations in last 3 years
3. Bidder should have a valid ISO 9001:2015 certificate.
4. Bidder should not have been blacklisted from any of the government or public sector undertakings in India.
5. Valid Service Tax/ Sales Tax Registration Certificates from concerned authorities
6. **SSI/SME units those are availing Tender fee/EMD Exemption should produce certificate showing that the items/products quoted are manufactured by them. Otherwise their offer will be rejected**
7. The demonstration shall be conducted if required to a Committee called the 'Technical Committee' in which experts from our Institutions/funding agencies may also be present. The decisions of the technical committee will be final.
8. **24 x 7 onsite support should be provided for at least 3 years warranty period as per listed , which can be extended as per AMC quote provided**
9. **Replacement under warranty clause shall be made by the Vendor free of all charges at site including freight, insurance, cost of works and other incidental charges.**
10. Should submit the detailed features of the quoted product against each of the above requirements as .pdf/.doc file.
11. Should include supporting documents/brochures.
12. Protection of Privacy And secure storage of data are to be ensured.

Specific Terms & conditions for E-Tender.

1	<p>The tenderer should compulsorily superscribe the name and number of tender as well as their own name, on the E-Tender Bid documents uploaded/ envelopes containing the physical tenders for information. Hard copies if any of the tender documents shall be submitted before the date of opening of tenders.. Bidders are requested to quote E-Tender Reference No , Subject compulsorily in all soft copy/physical hard Copy forwarded and all correspondences through email/physical mail/phone.</p>
2	<p>The price quoted should be inclusive of all taxes, freight charges, transportation, loading, unloading charges, installation etc. The rates are to be firm for Days specified in the E-Tender called for from the date of opening E- tender. Firms who donot quote warranty period and firm rate period will be classified as non responsive bidders and will be outright rejected during Technical Evaluation.</p>
3	<p>5% Security Deposit by Bank Guarantee/ Bank FD/ Kerala Government Treasury Savings Bank (Fixed Deposit preferred)along with Two Hundred and Twenty Rupees Kerala Stamp Paper agreement should be furnished within a month/fortnight from the date of receipt of supply order. It should also be noted that 25% of the Security Deposit requested ie 25% of the 5% should be compulsorily in the form of Kerala Government Treasury Deposit as per mandated in G.O(P)No.104/2014/Fin Dated - 14/03/2014.You are requested to contact Purchase Section, Administrative Office for further information. Hence you are instructed to open a Kerala Government Treasury Account if you are chosen as a Supplier for the above E-Tender.</p>
4	<p>Delivery @ Concerned Department at GWPTC-KMN , Thiruvananthapuram with prior intimation of delivery to Department Head/Purchase Section. The maximum time limit that can be availed by the supplier is 60 days with prior communication of the same Purchase section through your letter/email via Concerned Department which requires the equipment. Late delivery will be charged for delivery of the items after the said time limit of 60 days. Department Head have been instructed to communicate to Purchase Section if delivery of the product is not done within the specified date / intimate to Purchase Section the request for extension of Supply Order date, if any is received from firm. if request for extension is not received/recommended through concerned Department , the supplier is liable to pay LD charge as per the revised Store Purchase Manual.</p>
5	<p>Payment – Only after the satisfactory supply and installation/commissioning. Invoice (3 numbers) for Supply Order generated should contain E-Tender reference number & GST registration Number of College- GSTIN/UIN : 32TVDG02958E1DM . GOVERNMENT WOMENS POLYTECHNIC COLLEGE, KAIMANAM, THIRUVANANTHAPURAM is not making any taxable supply of goods and/or services, it is required to register only as a deductor of tax at source on the basis of TAN/PAN.</p> <p>The transactions liable for TDS</p> <p>All transactions where the total value of a taxable supply received under a contract exceeds Two lakh and Fifty thousand rupees (excluding GST). For the purpose of deciding TDS liability, the whole contract amount is to be reckoned, irrespective of individual periodic payments and TDS is to be deducted for such individual periodic payments.</p>
	<p>Preliminary Agreement is no longer required to be prepared in Kerala Stamp Paper worth</p>

6	Rs.220/- and uploaded/ produced along with E-Tender documents as it has been made non-mandatory as per Letter No.56423/Ind&PW.B2/15/Fin, Dated 10/08/2015 from Additional Chief Secretary Finance to The Director, Kerala State IT Mission. Kerala Stamp Paper worth Rs.220 Agreement is mandatory for firms who have been given Supply Order only. If any requirement for Preliminary Agreement in Kerala Stamp Paper for Rs.220/- arises later / or is requested by Higher Authorities , it may be provided when requested by Institution.
7	All amount payable is through Online remittance only.
8	Date of Opening- If the opening date is declared as a holiday the tenders will be opened on the next working day.
09	Tender documents are to be uploaded through E- tendering system. Tender Form cost, GST @18 %, EMD should be remitted through net banking (Electronics Transfer only)
10	<p>Warranty - 3 years all inclusive onsite warranty with hardware/software including all licences</p> <p>1) Firewall</p> <p>2) Network Switch(Ethernet)</p> <p>3) Wireless-Access Point</p> <p>4)SPF Optical Transceiver</p> <p>All preferred names given for company are benchmark for minimum quality, components supplied should be of same quality or higher quality.Replacement under warranty clause shall be made by the Vendor free of all charges at site including freight, insurance, cost of works and other incidental charges.</p>



Smt.Beena.S

Principal

Approval Valid

Digitally Approved By

Beena S

Date: 27.10.2023

Reason: Approved

The document is digitally approved. Hence signature is not needed.

TECHNICAL SPECIFICATIONS

Sl. No.	Item Description / Specifications
1	<p>Firewall</p> <p>1.1 General Requirement</p> <p>1.1.1 Must have a 64-bit hardware platform & based on Multi-Core Architecture with Optimization for excellent throughput for all key processes</p> <p>1.1.2 The Proposed solution should have option for visibility into encrypted traffic flows, support for TLS 1.3 without downgrading the performance.</p> <p>1.1.3 The device should be having security functions like Firewall, VPN (IPsec Site to Site & SSL Client VPN), Gateway level antivirus, Category based web and application filtering, Intrusion prevention system, Traffic shaping, DoS / DDoS.</p> <p>1.1.4 Solution should offer with Central management solution with option to manage multiple firewalls from day one.</p> <p>1.1.5 Solution should support Multiple WAN link balancing multiple Internet connections, auto-link health check, automatic failover, automatic and weighted balancing, and granular multipath rules, should support more than two ISP</p> <p>1.2 Hardware & Performance Requirement</p> <p>1.2.1 The appliance should support 8 x GbE copper ports, 2 X SFP fiber ports from day one.</p> <p>1.2.2 Appliance should have external redundant PSU option</p> <p>1.2.3 Should support SSD storage of min 1 x 120 Gb SATA-III</p> <p>1.2.4 Firewall must support at least 6 million concurrent connections</p> <p>1.2.5 Firewall must support at least 1,24,000 new sessions per second processing .</p> <p>1.2.6 Firewall should support up to 15 Gbps of Firewall IMIX throughput.</p> <p>1.2.7 Firewall should support integrated IPS throughput of minimum 5 Gbps.</p> <p>1.2.8 Firewall should have a minimum Firewall throughput of 25 Gbps.</p> <p>1.2.9 Firewall should have a minimum Threat Protection throughout 1 Gbps.</p> <p>1.2.10 Firewall should have a minimum NGFW throughput of 5 Gbps.</p> <p>1.2.11 Firewall should have a IPsec VPN throughput of 3 Gbps</p> <p>1.3 General Features</p> <p>1.3.1 Firewall must provide filtering capability that includes parameters like source addresses, destination addresses, source and destination port numbers, protocol type</p> <p>1.3.2 Firewall should be able to filter traffic even if the packets are fragmented.</p> <p>1.3.3 All known internet-based applications should be supported for filtering; like Telnet, FTP, SMTP, HTTP, DNS, ICMP, DHCP, ARP etc.</p> <p>1.3.4 Firewall should support SSL inspection over HTTPS</p> <p>1.3.5 Firewall should support CLI and GUI based access to the firewall modules.</p> <p>1.3.6 Firewall should have application-based and user-based logs.</p> <p>1.3.7 Should support Local authentication and integration with third party authentication solutions like Active Directory, LDAP Server, RADIUS, TACACS+, eDirectory and Kerberos</p> <p>1.4 Security</p> <p>1.4.1 Pattern-based spyware blocking at the gateway.</p> <p>1.4.2 Centralized, daily updates, automatic and manual updates or offline update.</p>

Sl. No.	Item Description / Specifications
	<p>1.4.3 Advanced Threat Protection should have instant identification and immediate response to today's most sophisticated attacks. Multi - layed protection identifies threats instantly</p> <p>1.4.4 Should support Sandboxing - Inspects executables and documents containing executable content like</p> <ul style="list-style-type: none"> • Windows executables (including .exe, .com, and .dll) • Word documents (including .doc, .docx, docm and .rtf) • PDF documents • Archives containing any of the file types listed above (ZIP, BZIP, GZIP, RAR, TAR, LHA/LZH, TZ, Microsoft Cabinet) <p>1.5 Web Filtering</p> <p>1.5.1 Firewall should support minimum of at least 90+ predefined categories.</p> <p>1.5.2 Should have flexibility to create network, user, Web and app based traffic shaping (QoS) policy.</p> <p>1.5.3 Blacklist and White listing based on IPs and URLs.</p> <p>1.5.4 Exceptions based on network objects defined.</p> <p>1.5.5 Notification of custom messages or URL redirection.</p> <p>1.6 Intrusion Prevention System</p> <p>1.6.1 IPS should protect for 7000+ Signatures database.</p> <p>1.6.2 Firewall should block attacks such as DoS- SYN, IP/ ICMP / TCP/ UDP related attacks.</p> <p>1.6.3 Solution should have IPS deep packet inspection engine with an option to select IPS patterns which can be applied firewall rule for better protection and should have option to create custom signature</p> <p>1.6.4 Firewall should block attacks such as DNS cache poisoning, FTP bounce, improper commands.</p> <p>1.7 Application Control</p> <p>1.7.1 Firewall should have feature to identify, allow, block or limit usage of applications beyond ports and protocols.</p> <p>1.7.2 Firewall should provide protection against Block potentially unwanted applications.</p> <p>1.7.3 Application signature database of 3500+ Applications for Application Control</p> <p>1.8 Logging & Reporting</p> <p>1.8.1 Firewall logs must contain information about the firewall policy rule that triggered the log</p> <p>1.8.2 Firewall must provide at a minimum basic statistic about the health of the firewall and the amount of traffic traversing the firewall.</p> <p>1.8.3 Firewall should have support to log (in detail) all connections which are blocked or pass through the firewall.</p> <p>1.8.4 Firewall should have support to generate performance statistics on real-time basis.</p> <p>1.8.5 Firewall should have the capability to produce reports which measure usage.</p> <p>1.8.6 Should Support 1000+ drilled down reports on the appliance</p> <p>1.8.7 The solution should support User Threat Quotient to identify risky users based on recent browsing behaviour and ATP triggers.</p>

Sl. No.	Item Description / Specifications
	<p>1.9 OEM Criteria</p> <p>1.9.1 Proposed solution should have presence in Gartner's Magic Quadrant for Network Firewalls in latest reports</p> <p>1.9.2 Should have ISO 9001:2015 or a above certificate</p> <p>1.9.3 Firewall operating system family should be EAL4+ certified from Common Criteria or under Indian Common Criteria Certification Scheme</p> <p>1.9.4 Should have IPv6 Ready Logo/certified</p> <p>1.10 Warranty and Certifications</p> <p>1.10.1 ICESA Lab certified, FCC, CE, UL, VCCI</p> <p>1.10.2 The Firewall should be provided with hardware replacement warranty, all licenses and ongoing software upgrades for all major and minor release for a period of 3 years direct Trouble shoot, Hardware replace support to the End customer from the OEM TAC team. OEM direct contract details (email, Toll free and Web portal cess) and Escalation matrix has to be provided along with Tender document. Also bidder need to ensure further support for minimum of additional two years from the OEM for quoted product after warranty . OEM should not provide partner enabled support TAC for the products supplied.</p> <p>1.11 Supporting Accessories</p> <p>1.11.1 Should include a Wall Mounting 15U rack with power strip and all other accessories to fix the firewall.</p> <p>1.11.2 <u>Tranceiver</u>: Should include a SFP Optical Transceiver - Hot-swappable, compact media connectors that provide instant fiber connectivity that supports SFP fiber ports – with hardware replacement warranty for a period of 3 years</p> <p>(Submit proof for all above mentioned features in the BID)</p>

Sl. No.	Item Description / Specifications
2	<p>Network Switch (Ethernet)</p> <p>General Specifications</p> <ul style="list-style-type: none"> ● Switch Should Support 24 x 10/100/1000 BASE-T PoE and 4x10 G SFPP Uplink ports ● Switch Should Support Min. 128 Gbps Switching Capacity and Packet Forwarding Rate is 95 MPPS. ● Switch Should Support IEEE 802.3af & at compliance (for PoE ports) and minimum 400W Power Budget. ● Switch Should Support 4K VLAN ID's, support Voice VLAN & surveillance VLAN, 1024 IP Subnet Based VLAN & MAC based VLAN. ● Switch should support surge protection of 6KV. ● Switch should support IGMP Snooping v1, v2 and MLD snooping v1/v2 . ● Switch shall support IEEE 802.1AB Link Layer Discovery Protocol (LLDP) or LLDP-MED. ● Switch should support Port Mirroring One to one/Many to One. ● Switch support Jumbo frames upto 9k bytes ● Switch should support Quality of Service (QoS), 802.1p, Strict, Weighted Round Robin (WRR)/ Shaped Round Robin (SRR) scheduling. ● Switch should support Access Control List (ACL), Port Base, MAC Base, IP Based, L2 & L3 ACL . ● Switch Should Support Security Features like Broadcast/Multicast/Unicast Storm Control, DHCP snooping, Dynamic ARP Inspection, port security, DDoS attack prevention, ARP Spoofing Prevention, IP source Guard, 802.1X Authentication local/RADIUS . ● Switch Should Support, SSH v2 feature, Flow Control governed by IEEE 802.3x. ● Switch support SNMP & syslog. ● Switch Should Support Management through CONSOLE, Web-based/CLI RMON ● Switch Should Support SNMP v1/v2c/v3. ● Switch should support UDLD feature. ● Switch should support Loopback detection , GVRP , Link aggregation. ● Switch Should support STP/RSTP/MSTP feature. ● Switch should support FTP/TFTP to allow file transfer. ● Switch support IPv4/IPv6 Dual stack. ● Switch support DHCPv6 server , DHCP relay . ● Operating temperature/ Humidity: 0°C to 50°C, 10%-90% non-condensation. ● The switch should work on 100-240V AC, 50Hz power supply. <p>Supporting Accessories</p> <ul style="list-style-type: none"> ● <u>Wall Mounting Rack</u>: Should include a Wall Mounting 9U rack with power strip and all other accessories to fix the Switch. ● <u>Tranceiver</u>: Should include a SFP Optical Transceivers - Hot-swappable, compact media connectors that provide instant fiber connectivity that supports SFP fiber ports - with hardware replacement warranty for a period of 3 years <p>Warranty</p> <ul style="list-style-type: none"> ● Should be provided with hardware replacement warranty and ongoing software upgrades for all major and minor release for a period of 3 years

Sl. No.	Item Description / Specifications
3	<p>Wireless Access Point</p> <ul style="list-style-type: none"> ● The APs must support 802.11b/g/n/ac/ax. ● Should provide at least 24 dBm Radio output power on both radios ● Access Point must be having integrated internal antenna only. ● To benefit fully from WIFI6, the 5GHz radio should support MU-MIMO 2x2:2 to serve the client devices better. ● Should Support up to 32 SSID (16 On Each Band) and support datarate 1.7 Gbps. ● Encryption supported should include WPA/WPA2/WPA3/WPA3-2-Mixed. ● Should support 802.1x Authentication Method with MAC auth for wireless client authentication purpose. ● Should be configurable to work as stand-alone as well as cloud managed without any hardware or firmware changes. ● Should come with quick configuration mode and can be monitored, configured and managed by Web GUI or Mobile App. ● For bulk deployment, the AP should support static IP and VLAN assignment from controller at the time of provisioning before deployment. ● Support for DHCP Option 43 and 60 for auto controller discovery. ● Should be configurable as bridge mode or router mode without any hardware or firmware changes at time of first time setup or after deployment. ● Access point should support Bridge and router mode simultaneously. ● Should support wireless client airtime fairness from day one ● Should not be configured as standalone if it is managed by cloud controller ● In case of theft, the AP should have a provision to block any new configuration for disabling any misuse. ● Support for disabling the reset/reboot button on the AP via controller. ● Should support WMM ,802.11d and L2/L3/L4 ACLs. ● Support for fast roaming using IEEE 802.11r and assisted roaming via 802.11k/v. ● Should support both auto and Manual channel Management with DFS Enablement. ● Should support both auto and Manual TX Power Management. ● Should support Forced DHCP assignment. ● Should support Management Frame Protection via 802.11w ● Should support RTS(Request To Send) and CTS(Clear To Send) thresholds to avoid frame collisions and hence avoid packet drops resulting in improved network performance. ● Should have 1 x 10/100/1000/2.5G Ethernet POE port and 2 x 10/100/1000 Ethernet port and 1xRJ 45 console port ● Support for individual port management for disabling the port to avoid misuse when unused. ● Should have both option of powering on the device (Through POE port or separate DC power source) ● Should have one port with POE-In 802.3at support. ● Should have 1 x USB 2.0/3.0 Port for IoT technologies and USB Internet dongle for internet connectivity. ● Should support multiple ISP links when deployed on a gateway or router mode.

Sl. No.	Item Description / Specifications
	<ul style="list-style-type: none"> ● Should have capability to allow client device connection even if disconnected from the controller. ● Should be mountable in Wall, Ceiling, and on Metal Ceiling Tiles without any Additional Cost or Component ● Should have diagnostics tools like Ping, Traceroute and NsLookup ● Operating Temperature: 0°C ~ +50°C ● Operating Humidity: 0~90% non-condensing. ● Should have a link failover functionality on LAN ports and USB port, in case of primary connective goes down. ● When in router mode, the AP should have the provision to have VPN tunnels to different sources, if and when required. ● BLE beacon support with a Transmit gain of min 4dBi ● Should support manageability using Controller from the same OEM. ● Controller License to be quoted along with the Access point. AP should be quoted with TAC Support and Warranty for 3 years with NBD Hardware Replacement. ● AP should have Wi-Fi Alliance, ETA, RoHS, CE and IEC 60950 certificates. <p>Warranty</p> <ul style="list-style-type: none"> ● Should be provided with hardware replacement warranty and ongoing software upgrades for all major and minor release for a period of 3 years
4	<p>Transceivers</p> <ul style="list-style-type: none"> ● SFP Optical Transceivers: Hot-swappable, compact media connectors that provide instant fiber connectivity that supports SFP fiber ports in the item (1) and item (2) <p>Warranty</p> <ul style="list-style-type: none"> ● Should be provided with hardware replacement warranty for a period of 3 years

GOVERNMENT WOMENS POLYTECHNIC COLLEGE,
KAIMANAM, THIRUVANANTHAPURAM

E-TENDER No.

.....

GOVERNMENT OF KERALA

E-TENDER

Containing General Conditions of Contract and
Schedule for the supply of

Name of

E-Tenderer:

Address:

Signature of E-Tenderer:

Last date and time for the receipt of tender:

K.F.C.FORM – 14

(See Chapter VII, Article 143)

FORM OF TENDER

Sir,

I/we hereby tender to supply, under the annexed General conditions of the contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof as may be decided by government, at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

I/we/am/are remitting/ have separately remitted the required amount of Rs.

..... vide DD/Online/.....as
earnest money/as bank Guaranty from a nationalized bank in India. Yours
faithfully,

(signature)

Address:

Date:

GENERAL CONDITIONS

Tenders are invited for the supply of the materials as specified in the schedule below/attached:

1. The tender documents are available on the website www.etenders.kerala.gov.in

2. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), an earnest money of Rs...../- should be in the form of Demand Draft/Online Payment in favour of The Principal, Government Womens Polytechnic College, Kaimanam, Thiruvananthapuram payable at Thiruvananthapuram. The earnest money of the unsuccessful tenderers will be returned as soon as possible, after the tenders are settled; but that of the successful tenderers will be adjusted towards the security that will have to be deposited for the satisfactory fulfillment of the contract. No interest will be paid for the earnest money deposited.

(b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles or which they have registered their names. If they tender for stores other than those for which they have registered their names they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit the registration number assigned to them by the stores purchase department.

(c) (i) Small Scale Industries and Cottage Industries and Industrial Co-operative within the State which are certified as such by the Director of Industries and Commerce will be exempted from furnishing earnest money deposits in support of tenders submitted by them to Government Departments. The Khadi and Village Industries Co-operative Societies and the institutions registered under the literary, scientific and Charitable Societies Act and financed by the Kerala Khadi and Village Industries Board within the State which are certified as such by the Secretary, Kerala Khadi and Village Industries Board will be exempted from furnishing earnest money deposits in support of tenders submitted by them to Government Departments.

ii) Small Scale Industries, Cottage Industries and Industrial Co-operative within the State which have been registered as such with the Industries Department (Department under the control of the Director of Industries and Commerce) on furnishing proof of such registration will be exempted from furnishing security deposits against contracts for supply of stores manufactured by them provided that an Officer of and above the rank of Deputy Director of Industries and Commerce having jurisdiction over the area also certifies to the soundness and reliability of the concerns to undertake the contracts. The Khadi and Village Industries Co-operative Societies within the State which have been registered as such with the Kerala Khadi and Village Industries Board and the Institutions registered under the Literary, scientific and Charitable societies Act and which are financed by the Board within the State on furnishing proof of such registration will be exempted from furnishing security deposits against contracts for

supply of stores manufactured by them provided that the Secretary, Kerala Khadi and Village Industries Board also certifies to the soundness and reliability of the concerns to undertake the contracts.

(d) In the matter of purchase of stores by the State Government Departments, Small Scale Industrial Units sponsored by the National Small Industries Corporation Ltd, New Delhi and in resp Which competency certificates are issued by the Corporation will be exempted from Earnest money deposits and security deposit

(e) The exemption stipulated in clauses (b), (c) and (d) above will not however, apply to tenders for the supply of raw materials, or dietary articles or supply of stores on rate or running contract basis.

5. The tenders will be opened on the appointed day and time in the Office of the undersigned in the presence of such of those tenderers or their nominees who may be present at that time.

6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to the Government or such action taken against him as Government think fit.

7. Tenderers shall invariably specify in their tenders the delivery conditions, including the time required for the supply of articles tendered for.

8. (a) The tenders shall clearly specify whether the articles offered bear ISO/Indian Standards Institution Certification Mark or not. In such cases, they shall produce copies of certification marks along with the Tender in support of it.

(b) The tenderers shall clearly specify whether the goods are offered from indigenous sources, from imported stocks in India or from foreign sources to be imported under a license. Government reserve the right to reject offers for import of goods if the import trade control policy in force at the time of awards of the contract prohibits or restricts.

9. The final acceptance of the tenders rest entirely with the Government who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.

10. In the case of materials of technical nature the successful tenderer should be prepared to guarantee satisfactory performance for a definite period under a definite penalty.

11. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless the successful tenderer shall also execute an agreement for the due fulfillment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty lawyers charges and other expense incidental to the execution of the agreement. Failure to agreement within the period specified will entail the penalties set out in para 12 below:

12(a) The successful tenderer shall before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5 percent of the value of the contract as security for the satisfactory fulfillment of the contract less the amount of money deposited by him along with his tender. The

amount of security may be deposited in the manner prescribed in class 4 *Supra* or in Government treasuries savings bank and the pass book pledged to Purchasing officer or in fixed deposit receipts of state Bank of Travancore/ State Bank of India endorsed in favour of the above officer. Letters of guarantee in the prescribed form for the amount of security from an approved bank will also be considered enough at the discretion of the government. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to Government and the contract arranged elsewhere at the defaulter's risk and any loss incurred by Government on account of purchase will be recovered from the defaulter who will, however, not be entitled to any gain accruing thereby. If the defaulting firm is a registered firm their registration is liable to be cancelled.

(b) In case where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all or any of the materials, not supplied may at the discretion of the purchasing Officer, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the Government shall thereby together with such sums as may be fixed by the Government towards damages be recovered from the defaulting tenderer.

(c) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded.

13. The security deposit shall, subject to the conditions specified herein be returned to the contractor within three months after the expiration of the contract, but in the event of any dispute arising between the Department concerned and the contractor, the department shall be entitled to deduct out of the deposits or the balance thereof, until such dispute is determined, the amount of such damages, costs, charges and expenses as any be claimed. The same may also be deducted from any other sum, which may be due at any time from the Government to the Contractor. In all cases where there are guarantee/warranty for the goods supplied the security deposit will be released only after the expiry of the guarantee/warranty period.

14(a) All payments to the contractor will be made by the purchasing officer in due course (i)either by departmental cheques payable at the Kerala government treasuries or (ii)by cheques or drafts on the Reserve Bank of India , State Bank of India and State Bank of Travancore(at any of their principal branches in India) (iii) in the case of supplies from abroad by drafts as may be arranged between the contracting parties.

(b) All incidental expenses incurred by the Government for making payments out side the District in which the claim arises shall be borne by the contractor.

15. The tenderers shall also quote the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days/within one month of taking delivery of stores.

16. Ordinarily payments will be made only after the supplies are actually verified and taken to stock, but in exceptional cases, payments against satisfactory shipping documents including certificates of insurance will be made up to 90% of the value of the materials at the discretion of government. Bank charges incurred in connection with payment against documents through bank will be to the account of the contractor. The firms will produce stamped pre-receipted invoices in all cases where payments (advance/final) for release of railway receipts/shipping documents are made through banks. In exceptional cases where the stamped receipts of the firms are not received for the payments (in advance). The unstamped receipts of the bank (i.e. counterfoil of pay-in-slips issued by the bank) alone may be accepted as a valid proof for the payment made.

17. The contractors shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractors shall not under let or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the purchasing officer who shall have absolute power to refuse such consent or to rescind such consent (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such rescission. Provided always that if such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

18. (a) in case the contractor becomes insolvent, or goes into liquidation or makes or proposes to make any assignment for the benefits of his creditors or proposes any composition with his creditors, for the settlements of his debts, carries on his business or the contract under inspection on behalf of his creditors or in case any receiving order or orders for the administration of his estate are made against him or in case the contractor shall commit any act of insolvency or in case in which under any clause or clauses of this contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall thereupon, after notice given by the purchasing officer to the contractor be determined and the department/government may complete the contract in such time and manner and by such persons as the department/ government shall think fit. But such determination of the contract shall be without any prejudice to any right or remedy of the government against the contractor or his sureties in respect of any breach of contract theretofore committed by the contractor. All expenses and damages caused to government by any breach of contract by the contractor shall be paid by the contractor to Government, and may be recovered from him under the provisions of the Revenue Recovery Act in force

(b) The persons/contractors submitting tenders should produce a solvency certificate clearly indicating to what extent they are solvent from the Thahasildar of the Taluk where they reside along with their tenders.

Note:- The solvency certificate referred to above will applied only in the case of supply of the following articles Viz; dietary articles, fuels, raw materials like roots,

creepers, flowers etc. and provisions to hospitals and hostels, sundry articles, etc.

19.a) In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants stipulation and agreements herein contained, and in his part to be observed and performed, then and in any such case, it shall be lawful for Government (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of the Government by an order in writing under the hand of the purchasing officer put an end to this contract and in case the Government shall have incurred, sustained or been put to any costs, damages or expenses by reason of such purchase or by reason of this contract having been so put an end to or in case any difference in price, compensation, loss, costs, damages, expenses or other moneys shall then or any time during the continuance of this contract be payable by the contractor to the Government under and by virtue of this contract, it shall be lawful for the Government from and out of any moneys for the time being payable or owing to the contractor from the Government under or by virtue of this contract or otherwise, to pay and reimburse to the Government all such costs, damages and expenses they may have sustained, incurred or been put to by reason of the purchase made elsewhere or by reason of this contract having been so put an end to as aforesaid and also all such difference in price, compensation, loss, costs, damages, expenses and other moneys as shall for the time being be payable by the contractor aforesaid.

(b) In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court within whose jurisdiction Officer voluntarily resides.

20. Any sum of money due and payable to the contractor (including security deposits returnable to him) under this contract may be appropriated by the Purchasing officer or government or any other person authorized by government and set off against any claim of the purchasing officer or government for the payment of a sum of money arising out of under any other contract made by the contractor with the purchasing officer or Government or any other person authorized by the government. Any sum of money due and payable to the successful tenderer or contractor from government shall be adjusted against any sum of money due to government from him under any other contracts.

21. Every notice hereby required or authorized to be given may be either given to the contractor personally or left at his residence or last known place or abode or business or may be handed over to his agent personally, or may be addressed to the contractor by post at his usual or last known place or abode or business and if so addressed and posted shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post, a letter so addressed and posted would reach his place of abode or business.

22. The tenderer shall undertake to supply materials according to the standard sample and/or specifications.

23 (a) No representation for enhancement of rates once accepted will be considered.

(b) In the case of imported goods, when the price accepted is the ex-site price quoted by the tenderer, the benefit of any reduction in the c.i.f. price should accrue to the purchasing department of Government.

24. Any attempt on the part of the tenderer or their agents to influence the department/Store Purchase Department in their favour, by personal canvassing with the officers concerned will disqualify the tenders.

25. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of security in the event of default in supplies or failure to supply within the stipulated period.

26. Samples should be forwarded if called for and unapproved samples got back by the tenderers at their own cost. Samples sent by V.P. post or “freight to pay” will not be accepted. The approved samples may or may not be returned at the discretion of the undersigned. Samples sent by post, railway or plane should be so dispatched so as to reach the Purchasing Officer not later than the date on which the tenders are due. In the case of samples sent by railway the receipt should be sent separately and not along with the tender since the tender will be opened only on the appointed day and demurrage will have to be paid if the railway parcels are not cleared in time. Government will not be responsible if any sample is found missing at any time due to the non-observance of the provisions of this clause. Tenderers whose samples are received late will not be considered, samples should be forwarded under separate cover duly listed and the corresponding number of the item in the tender schedule should also be noted in the list of samples. Tenders for the supply of materials are liable to be rejected unless samples if called for, of the materials tendered for are forwarded.

27. Telegraphic quotations will not be considered unless they give details of prices and are immediately followed by confirmation with full relevant posted before the due date of the tender.

28. (a) The prices quoted shall be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

(b) In case payment of Customs/Excise duty is to be made by the Purchasing Officer, the Purchasing Officer will pay the duty on the “unloaded invoice price” only in the first instance any difference being paid when the tenderer produces the final assessment orders later.

29. The tenderer will invariably furnish the following certificates with their bills for payment:

“Certified that the goods on which the sales tax has been charged have not been exempted under the Central Sales Tax Act or the State Sales Tax Act or the Rules made there under and charges on account of sales tax on these goods are correct under the provisions of the relevant act or the rules made there under. Certified further that we (or our Branch or Agent)

(Address) ☺

are registered as dealers in the State..... under the Registration No..... for the purpose of sales tax”.

30. Final payments will be made only on production by tenderers the tax clearance certificates relating to Agricultural Income tax, sales tax and income tax.

31. Special conditions, if any, of the tenderers, attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

32.This applies only to the case of supply contracts were works such as erection and construction have also to be done. This may be scored out when not applicable). In the event of any question or dispute arising under these conditions or any special conditions of this contract or in connection with this contract same shall be referred to the award of an arbitrator to be nominated by the purchasing officer and an arbitrator to be nominated by the contractor,or in case of the said arbitrators not agreeing, them to the award of an umpire to be appointed by the arbitrators in writing before proceeding on the reference and the decision of the arbitration or in the event of their not agreeing of the umpire appointed by them, shall be final and conclusive and the provision of the Indian Arbitration Act, 1940 and of the rules there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this contract. Upon every and any such reference, the assessment of the costs incidental to their reference and award respectively shall be in the discretion of the arbitrators or in the event of their not agreeing of the umpire appointed by them. The venue of arbitrations shall be the place from which the acceptance of tender is issued or such other place as the purchaser at his entire discretion may determine.

33.An agreement should be executed and signed in Kerala stamp paper of value Rs.100/- by the tenderer.. Stamp paper will be supplied to firms outside Kerala along with the tender forms on payment of Rs150/-(Rs.100/-Being the value of the stamp paper and Rs.50 Incidental charges), which may be remitted by money order in advance. A specimen form of agreement is given as annexure to this tender. Tenders without the agreement in stamped paper will be rejected outright. But in deserving cases where agreement has not been received, the Purchasing Officer may exercise his discretion and call upon such tenderer to execute the agreement within a period of ten days from the date of issue of such intimation, if the Purchasing Officer is satisfied that the omission to forward the agreement along with the tender was due to causes beyond the control of the tenderer and was not due to any negligence on his part. Agreement received from a tenderer after the above time limit will not be considered.

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Superscription- E-Tender No..... for the supply of :
.....

Due date and time for the receipt of E- tender :

Date and time for opening E-tender
:.....

Date up to which the rates are to be firm :

Price of original E- tender form :
.....

E-Tender forms can be downloaded from our website -

www.etenders.kerala.gov.in

Address to whom tenders are to be sent:

THE PRINCIPAL

WOMENS POLYTECHNIC COLLEGE, KAIMANAM, THIRUVANANTHAPURAM KERALA Ph-

04712491682(Purchase Section)

Mobile-9400006417

Email – wptctvm@yahoo.co.in , purchase@gwptctvpm.org

Name of Office: GOVT. WOMENS POLYTECHNIC COLLEGE, KAIMANAM, THIRUVANANTHAPURAM

Place-

Date:

SCHEDULE OF MATERIALS

Sl.No.	Specifications	Quantity	Unit	Rate Rs. P	Total Rs. P	Remarks
1	2	3	4	5	6	7

Whether samples essential; *NA*

Period within which goods should be delivered: *15 days from the date of supply order.*

Rates should be quoted for delivery: *As per special condition and specification attached*

Other special conditions: *Attached*

**GOVERNMENT WOMENS POLYTECHNIC COLLEGE,
KAIMANAM, THIRUVANANTHAPURAM**

ANNEXURE

Agreement

ARTICLES OF AGREEMENT executed on this the day of
Two thousand andBETWEEN The Governor of Kerala (hereinafter referred
to as “the Government”.) of the one part and Shree..... (H.E. name and address of the
tenderer) (hereinafter referred to as “the boundern” of the other part.)

WHEREAS in response to the notification No.....dated.....the
bounden has submitted to the Government a tender for the.....specified
therein subject to the terms and conditions contained in the said tender:

WHEREAS the bounden has also deposited with the Government a sum of
Rs..... as earnest money for execution of an agreement undertaking the due fulfillment
of the contract in case his tender is accepted by the Government.

NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:-

1. In case the tender submitted by the bounden is accepted by the Government and the Contract for is awarded to the bounden, the bounden shall within.....days of acceptance of his tender execute an agreement with the Government incorporating all the terms and conditions under which the Government accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract the Government shall have power and authority to recover from the bounden any loss or damage caused to the Government by such breach as may be determined by the Government by appropriating the earnest money deposited by the bounden and if the earnest money is found to be inadequate

the deficit amount may be recovered from the bounden and his properties movable and immovable in the manner hereinafter contained.

- 3. All sums found due to the Government under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the Government may deem fit.

In witness where of Shri.....(H. E. name and designation) for and on behalf of the Governor of Kerala and Shri..... The bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri(date).....

In the presence of witnesses:

- 1.
- 2.

Signed by

Shri.....(date).....

In the presence of witnesses:

- 1.....
- 2.....