GOVERNMENT ENGINEERING COLLEGE, PAINAVU, IDUKKI

No. P1/5654/23   Date: 24/08/2023

SHORT QUOTATION NOTICE
Quotation No.15/2023-24

     Sealed quotations are invited for the purchase of Equipments (6nos Indoor wireless Wi-Fi Access points and wifi controller) for EEE department of this institution. Detailed specification and Conditions attached herewith

     The sealed envelopes containing the quotations should bear the superscription "Quotation No 15/23-24 due on 07-09-2023 and should be addressed to the Principal, Government Engineering College, Painavu, Idukki –685 603. Last date of receipt of quotation is **07-09-2023 02:00 PM**. Late quotations will not be accepted. The quotations will be opened at Engineering College, Painavu, Idukki – 685603 on **07-09-2023 at 03:00 PM** in the presence of such of the renderers or their authorized representatives who may be present at that time. The maximum period required for delivery of the articles should also be mentioned.
     Details of requirements and the conditions governing their supply can be obtained on free of cost from the undersigned till 07-09-2023 at 02:00 PM. The offer should be valid for a minimum period of 3 (three) months from the date of opening the quotations.

1. Price should include all charges and taxes specifically stated. .
2. Payment; Will be made only after the successful completion of the supply / work.
3. Date of opening of quotation; In case the proposed date declares as holiday, the quotation will be opened on the next working day.

                                          PRINCIPAL

To,

1. College Notice Board, Website
2. HOD EEE
3. Office Copy.

Approval Valid

Digitally Approved By
Dr.Suresh K
Date: 25.08.2023
Reason: Approved

Technical Qualification Criteria

The Bidders should meet the following Eligibility Criteria to participate in the Tender and should enclose supporting documents for fulfilling the Eligibility in the Technical Bid. It is the responsibility of the company to satisfy the norms regarding genuineness and validity of the document furnished. Bids which are not accompanied by the required documents will be rejected.

S/N	Minimum Eligibility Criteria	Supporting documents to be submitted	Compliance Yes/No
1	Bidder should be a Registered company in India and existing for the past ten years in India	Registration Certificate	
2	Valid Service Tax/ Sales Tax Registration certificates from concerned authorities	Documents	
3	Bidder should have office and necessary support team in Kerala	Documents	
4	Bidder should be an authorized partner of respective OEMs. Bidder should submit authorization letter from respective OEMs issued from local (Kerala) office	Authorization certificate from respective OEMs	
5	Bidder should not have been blacklisted from any of the government or public sector undertakings in India	Affidavit / Self Declaration	
6	Bidders complete address and contact details	Related Documents	
7	Technical specification compliance, Un-priced / Technical Bill of Material with clear indication of Product / Part Code	Compliance Sheet & Technical BOM in Technical bid	

Technical Specifications Compliance report:

(This compliance report needs to be filled in and uploaded as part of Technical bid)

1)Indoor Wireless Wi-Fi6 Access Point

S/N		Specifications	Compliance (Yes/No)
		Offered Product details - Make, Model No with part no.	
1	Wireless Standards	802.11a, 802.11b, 802.11g, 802.11n 802.11ac & 802.11ax dual band	
2	Ports	1 or more 1GbE RJ-45 PoE Ports 1 Console Port	
3	Performance	Wireless Speed Up to 1800 Mbps MU-MIMO, 1024 QAM with OFDMA or Better	
4	Channel	20, 40, 80,160 MHz	
5	Security	WPA-PSK, WPA-TKIP, WPA2 AES, WPA2 Enterprise, WPA3 802.1x ARP Spoofing Prevention MAC & IP ACL, Station/SSID Isolation Captive Portal Authentication Rogue AP detection	
7	Antenna & Power	Integrated Antennas 2X Dual Band internal Antenna 23 dBm (2.4 GHz), 26 dBm (5 GHz)	
8	WLAN Features	Upto 8 or higher SSIDs with VLAN mapping Band Steering, TWT, BSS Color Automatic Channel Assignment Transmit Power Control (Adjust Transmit Power on dBm) QoS, Support for Mail/Web/FTP Priority Band Steering, Load Balance, Airtime Fairness Rate Limit/Bandwidth Control, User Limiting Wireless Scheduling, 802.11e WMM, IGMP Snooping	
9	Management Platform	Hardware based Management	
11	Management	IPv4 and IPv6 Management, 802.1Q VLAN SNMP v1/v2C/v3 and Web management Mobile APP based configuration Wall/Ceiling Mounting kit to be supplied with AP	
12	Certification / Compliance	CE,FCC	
13	Environment	Operating Temperature – 0°C (32°F) to 40°C (104°F)	
14	Easy Integration	WLAN Access Points & Controller should be from same OEM	
15	Documentation	Compliance sheet and Datasheet Authorization from OEM	
16	Warranty, Services and Support	Min 3 years warranty On-site installation, configuration, integration & troubleshooting OEM should have tech support and service center in Kerala	

2) WLAN Management

S/N	Parameter	Specification	Compliance (Yes/No)
		Offered Product details - Make, Model No with part no.	
1	Architecture	19-inch Rack mountable hardware appliance	
2	Power Supply	Input: 100 240VAC, 50/60Hz Internal Power Supply	
3	Ports	Min 1 or more 1GbE RJ45 Port Min 1 RJ45/Serial Console Port Min 1 USB Port	
4	AP Management	Min 100 APs management with single appliance AP License should be activated from day one	
5	Management Configuration	Centralized Configuration L2 & L3 discovery of APs Configuration Backup & Restore Firmware Management of APs	
6	Performance Configuration	Automatic channel and power management Airtime Fairness, L2 & L3 seamless Roaming Bandwidth Optimization based on Client, SSID etc. SSID & VLAN mapping, Band Steering, Scheduling	
7	Access Control Configuration	MAC Filter, Captive Portal Authentication – Local, RADIUS and LDAP	
8	Monitoring / Reporting	Dashboard with real time information on Number of clients Download & Upload traffic usage Most Active AP, Network Traffic Usage Floor Map based monitoring	
9	Certification	CE, FC, UL, RoHS	
10	Environment	Operating Temperature – 0°C to 40°C	
11	Easy Integration	Switches & WLAN Access Points should be from same OEM	
12	Documentation	Compliance sheet and Datasheet Authorization from OEM	
13	Warranty, Services and Support	Min 3 years warranty On-site installation, configuration, integration & troubleshooting OEM should have tech support and service center in Kerala	

Network Switches and modules: Qualification criteria / Guidelines
1. The bidder should be OEM certified partner. Bidder shall enclose certificates from the respective manufacturers (OEM) that bidder is authorized to quote for the offered product and that the manufacturers will support the delivery and subsequent warranty.
2. Vendor should provide a detailed technical compliance statement and datasheet for the offered product.
3. Vendor should indicate the part nos. of the deliverable items clearly