GOVERNMENT OF WEST BENGAL
OFFICE OF THE PRINCIPAL
RAMKRISHNA MAHATO GOVT. ENGINEERING COLLEGE
PURULIA, PIN-723103

Memo No. 14/CA/RKMGEC/2022-23   Dated, Purulia the 13th-Oct-2022

QUOTATION NOTICENO. :Spot-14/CA/RKMGEC/2022-23

Spot quotation for supply of Router at RKMGEC, Purulia

Spot quotations are invited by the Principal, Ramkrishna Mahato Govt. Engineering College, Purulia for the supply of router at RKMGEC, Purulia (details are given in college website **https://www.rkmgec.ac.in**)from the reputed agency. The quotation documents can be obtained from the office of the Principal, Ramkrishna Mahato Govt. Engineering College on any working day from 13.10.2022 to 20.10.2022 (11-00 A.M to 2-00 P.M.).

Quotation papers must be submitted in sealed envelope to the office of undersigned on or before 21.10.22 up to 12-00 P.M. addressed to the Principal, Ramkrishna Mahato Govt. Engineering College, Purulia and must be mentioning the subject mentioned above and Quotation No. Spot-14/CA/RKMGEC/2022-23 on the top of cover. The quotations will be opened at 1.30 P.M. on 21.10.22 in presence of the quotation owners willing to be present at that time in the Institute office.

Validity of offered rates should remain valid Up to 31.03.2023.
Copies of Income Tax, PAN, GST account details, Trade License for proprietorship firms must be enclosed along with the quotation papers.
The rate of the item(s) should be quoted **exclusive and inclusive all taxes**.
Items are to be supplied within 07days from receiving order.

The undersigned reserves the right to accept or reject any quotation without assigning any reason.
If the last day of Receiving Quotation/Opening Quotation happens to be holiday the quotation(s)will be opened on the next working day at the same time and place.

Dr. Bibek Chakrabarti)
Principal
Ramkrishna Mahato Government Engineering College
Vill:- Agharpur, P.O.- Ramamoti, Block:- Joypur
District :- Purulia, Pin -723103

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Copy for information & necessary action to display this notice in his notice board to:-

1. The Sabhadhipati, Purulia Zilla Parishad, Purulia-You are requested to display this notice in your notice board.
2. The District Magistrate, Purulia-You are requested to display this notice in your notice board.
3. The SDO, Jhalda, Purulia-You are requested to display this notice in your notice board
4. Office of the Gram Panchayat, Baragram.
5. District information officer, Purulia- He is requested to upload the notice in district NIC portal.
6. Notice Board, Ramkrishna Mahato Govt. Engineering College, Purulia.
7. College website (https://www.rkmgec.ac.in).

Dr. Bibek Chakrabarti

Principal
Ramkrishna Mahato Government Engineering College
Vill:- Agharpur, P.O.- Ramamoti, Block:- Joypur
District :- Purulia, Pin -723103

Annexure

Name of Work: Supply, Installation, Testing & Commissioning of Router

Bill of Materials:

Sr No	Item Description	Qty	Unit
1	Supply of Router	1	No
2	Installation of Router	1	No

Technical Specification of Router:

Parameters	Specifications	Compliance (Yes/No)
Interface	• 1 Fixed Gigabit SFP WAN Port	
	• 1 Fixed Gigabit RJ45 WAN Port	
	• 2 Fixed Gigabit RJ45 LAN Ports	
	• 2 Changeable Gigabit RJ45 WAN/LAN Ports	
Network Media	• 10BASE-T: UTP category 3, 4, 5 cable (Max 100m)	
	EIA/TIA-568 100Ω STP (Max 100m)	
	• 100BASE-TX: UTP category 5, 5e cable (Max 100m)	
	EIA/TIA-568 100Ω STP (Max 100m)	
	• 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100m)	
IPsec VPN Throughput	280 Mbps or higher	
Concurrent Session	140000 or higher	
Standards and Protocols	• IEEE 802.3, 802.3u, 802.3ab	
	• TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DNS, IPsec, PPTP, L2TP	
WAN Connection Type	• Static/Dynamic IP	
	• PPPoE	
	• PPTP	
	• L2TP	
MAC Clone	Modify WAN/LAN MAC Address†	
Flash	SPI 4MB + NAND 128MB	
DRAM	512MB	
DHCP	• DHCP Server	
	• DHCP Address Reservation	
	• Multi-IP Interfaces*	
	• Multi-Net DHCP*	
IPv6	Developing‡	
VLAN	802.1Q VLAN	

Category	Feature
IPTV	IGMP v2/v3 Proxy
ACL	IP/Port/Protocol/Domain Name Filtering
Advanced Routing	• Static Routing
	• Policy Routing
Bandwidth Control	• IP/Port-based Bandwidth Control
	• Guarantee & Limited Bandwidth
Load Balance	• Intelligent Load Balance
	• Application Optimized Routing
	• Link Backup (Timing§, Failover)
	• Online Detection
NAT	• One-to-One NAT§
	• Multi-Net NAT
	• Virtual Server
	• Port Triggering§
	• NAT-DMZ
	• FTP/H.323/SIP/IPSec/PPTP ALG, UPnP
Security	• SPI Firewall
	• VPN Passthrough
	• FTP/H.323/PPTP/SIP/IPsec ALG
	• DoSDefence, Ping of Death
	• Local Management
Session Limit	IP-based Session Limit
IPsec VPN	• 100 IPSec VPN Tunnels
	• LAN-to-LAN, Client-to-LAN
	• Main, Aggressive Negotiation Mode
	• DES, 3DES, AES128, AES192, AES256 Encryption Algorithm
	• IKEv1/v2*
	• MD5, SHA1 Authentication Algorithm
	• NAT Traversal (NAT-T)
	• Dead Peer Detection (DPD)
	• Perfect Forward Secrecy (PFS)
PPTP VPN	• PPTP VPN Server
	• 10 PPTP VPN Clients
	• 50 Tunnels
	• PPTP with MPPE Encryption
L2TP VPN	• L2TP VPN Server
	• 10 L2TP VPN Clients
	• 50 Tunnels
	• L2TP over IPSec
OpenVPN	• OpenVPN Server*
	• 10 OpenVPN Clients*

	• 50 OpenVPN Tunnels*
Filtering	WEB Group Filtering§
	URL Filtering
	Web Security§
ARP Inspection	• Sending GARP Packets§
	• ARP Scanning§
	• IP-MAC Binding§
Attack Defense	• TCP/UDP/ICMP Flood Defense
	• Block TCP Scan (Stealth FIN/Xmas/Null)
	• Block Ping from WAN
Access Control	Source/Destination IP Based Access Control
Web Authentication	• No Authentication
	• Simple Password*
	• Hotspot （Local User / Voucher* / SMS* / Radius*)
	• External Radius Sever
	• External Portal Sever*
	• Facebook*
Certification	CE, FCC, RoHS
Environment	• Operating Temperature: 0–40 °C (32–104 °F);
	• Operating Humidity: 10–90% RH non-condensing

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Quotation documents for Supply of router at RKMGEC, Purulia

Sl. No	Items	Eligibility to enter in the tender process	Description/ Specification	Quantity	Rate in Rs./- including all taxes	Total price in Rs./- including all taxes
	Purchase requirement for Router of the college					
	Department : Office Administration					
1	Supply of Gigabit Multi WAN VPN Router with 1 Gigabit SFP Port, 1 Gigabit WAN Port, 2 Gigabit LAN/WAN Ports, 2 Gigabit LAN Port Flash 4MB SPI + 128 MB NAND, DRAM 512 MB, Static IP NAT Throughput (Upload/Download) 940.3 Mbps /940.2 Mbps, IPSec VPN Throughput (AES256) 291.6 Mbps	TP-Link	Model TL-ER7206	1		
2	Installation, Configuration, Testing & Commissioning of Router					

Dr. Bibek Chakrabarti

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