



**PUBALI BANK LIMITED**  
**ICT OPERATION DIVISION**  
**HEAD OFFICE, 26 DILKUSHA C/A, DHAKA.**

PBL/HO/ICTOD/QUOTATION/ROUTER/ 116(3)/2022

March 20, 2022

**Notice inviting quotation (2<sup>nd</sup> Time) for procurement of Cisco Router for our Bank.**

Sealed quotations are hereby invited from bonafide Sellers, Traders, Importers for procurement of CISCO Routers for our proposed Online Banks to implement online banking system to our Bank as per following specifications.

**Specification of Router:**

**Item-1:**

Items	Description	Qty
ISR4321-SEC/K9	Cisco ISR 4321 Sec bundle w/SEC license	1
Warranty	3 Years Replacement Warranty	1
SL-4320-IPB-K9	IP Base License for Cisco ISR 4320 Series	1
PWR-4320-AC	AC Power Supply for Cisco ISR 4320	1
CAB-AC-C5-UK	AC Power Cord, Type C5, UK	1
MEM-FLSH-4G	4G Flash Memory for Cisco ISR 4300 (Soldered on motherboard)	1
MEM-4320-4G	4G DRAM for Cisco ISR 4320 (Soldered on motherboard)	1
SL-4320-SEC-K9	Security License for Cisco ISR 4320 Series	1
NIM-BLANK	Blank faceplate for NIM slot on Cisco ISR 4400	1
SISR4300UK9-316S	Cisco ISR 4300 Series IOS XE Universal	1
NIM-ES2-4	4-port Layer 2 GE Switch Network Interface Module	1

**Item-2:**

Non POE Router (Quantity: 01) :C1111-8P	
Item Description	Technical specifications
Brand	Any international reputed Brand
Model	To be mentioned by the bidder
Quantity	1
Country of origin	USA/UK
Performance	Should provide traffic performance 250 Mbps or more
Memory	4 Gb DRAM & 4 GB Flash
Interface	8-port 10/100/1000 Mbps (Ethernet) LAN port, 2 Gigabit Ethernet WAN port
General Features	Should support minimum 50 Mbps Isec performance from day 1 which can be upgrade 150 Mbps if future. Should support static routes, OSPF, BGP Should support LISP, Virtual Private LAN Services (VPLS), L2TPv3, MPLS & Ethernet over MPLS Should support hardware assisted VPN acceleration for crypto performance in future without any hardware change Security: Should support DES, 3DES, VPN compliant IPsec, AES-128 or AES-256 for encryption and RSA (748/2014/2048 bit) and ECDSA (256/384 bit) as authentication protocol in future without any hardware change. Should support PPPoE, Layer 2 Tunneling Protocol Version 3, IPsec based VPN, GRE over Isec VPN, site-to-site, remote access software based VPN over Ipv4 and Ipv6. Should support dynamic failover protocols such as Virtual Router Redundancy Protocol (VRRP;RFC 2338)

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	Network Services: Ipv4, DNS, DHCP client, DHCP Server, DHCP relay & AAA QoS: Packet shaping, Traffic policing, Per-flow queueing, Class-based queueing Should support modular OS on open platform with programmable and automation feature to support software defined WAN (i.e. link optimization, application visibility/detection, traffic load balancing, performance analysis for routing etc.)	
Manufacturer's part number	Bidder should submit BOQ proposed device including the details part numbers and Manufacturer's warranty part number	
Warranty	Manufacturer's warranty part number should be mentioned, minimum 3 (three) years warranty for OEM technical solution support, Patch & New software Upgrade, RMA replacement should be provided for this unit from the date of commissioning.	

### Item-3:

POE Router (Quantity: 01) :C1111-8P		
Item Description	Technical specifications	
Brand	Any international reputed Brand	
Model	To be mentioned by the bidder	
Quantity	1	
Country of origin	USA/UK	
Performance	Should provide traffic performance 250 Mbps or more	
Memory	4 Gb DRAM & 4 GB Flash	
Interface	8-port 10/100/1000 Mbps (Ethernet) LAN port, 2 Gigabit Ethernet WAN port	
General Features	Should support minimum 50 Mbps Ipsec performance from day 1 which can be upgrade 150 Mbps if future. Should support static routes, OSPF, BGP Should support LISP, Virtual Private LAN Services (VPLS), L2TPv3, MPLS & Ethernet over MPLS Should support hardware assisted VPN acceleration for crypto performance in future without any hardware change Security: Should support DES, 3DES, VPN compliant IPsec, AES-128 or AES-256 for encryption and RSA (748/2014/2048 bit) and ECDSA (256/384 bit) as authentication protocol in future without any hardware change. Should support PPPoE, Layer 2 Tunneling Protocol Version 3, IPsec based VPN, GRE over Ipsec VPN, site-to-site, remote access software based VPN over Ipv4 and Ipv6. Should support dynamic failover protocols such as Virtual Router Redundancy Protocol (VRRP;RFC 2338) Network Services: Ipv4, DNS, DHCP client, DHCP Server, DHCP relay & AAA QoS: Packet shaping, Traffic policing, Per-flow queueing, Class-based queueing Should support modular OS on open platform with programmable and automation feature to support software defined WAN (i.e. link optimization, application visibility/detection, traffic load balancing, performance analysis for routing etc.)	
Manufacturer's part number	Bidder should submit BOQ proposed device including the details part numbers and Manufacturer's warranty part number	
Warranty	Manufacturer's warranty part number should be mentioned, minimum 3 (three) years warranty for OEM technical solution support, Patch & New software Upgrade, RMA replacement should be provided for this unit from the date of commissioning.	

### Terms and conditions:-

- 1) The offer must be submitted through "**Offering Sheet**" enclosed with the schedule.
- 2) Bidder must be an authorized distributor/reseller of the product.
- 3) In case of any trouble with the Router function/parts within the warranty period (Three years) the supplier shall have to replace/repair the Router within 24(twenty four) hours. In case of failure of the supplier, the Bank shall have the right to get the replacement or repairing works done by other agency at