



PBL/HO/ICT-OD/TENDER/CISCO SWITCH/2289/2017

October 08, 2017

**NOTICE INVITING QUOTATION FOR CISCO NEXUS 3100 SERIES
SWITCH MODEL: NEXUS 3172TQ-32T AT DATA CENTER OF OUR BANK.**

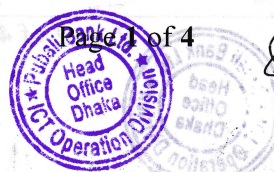
Sealed quotations are hereby invited from bonafide Seller, Trader, Importer for procurement of CISCO Nexus 3100 Series Switch Model: **Nexus 3172TQ-32T** for Data Center, Head Office of our Bank as per following specifications.

Specification of CISCO Nexus 3100 Series Switch Model: Nexus 3172TQ-32T with 03 (Three) Year Warranty

Features	Desired Specifications
Brand	Cisco/Equivalent
Model	To be mentioned by the bidder
Country of Origin	USA/EU
Country of Manufacture	To be mentioned by the bidder
Quantity	2 Pcs
Architecture	Should be highly performed fixed switch with wire rate Layer 2 and Layer 3 throughput on all the ports on the chassis.
	Should have minimum of 32 x 10GE BASE-T RJ45 Port
	Should have minimum of 6 x 40GE QSFP Uplink Port that should support 10GE SFP+ or 40 GE QSFP+ Module
	System Memory: 4 GB, Flash: 2 GB
Switching Performance	Dual redundant power source and redundant Fans
	Switching capacity 1.4 Tbps
Form Factor	Forwarding Throughput 1 bpps
VLANs	1 RU
MAC Address	4,096
Switch Layer 2 Services	280,000
	Layer 2 switch ports and VLAN trunks
	IEEE 802.1Q VLAN encapsulation
	Support for up to 4,096 VLANs
	Per-VLAN Spanning Tree Plus (PVRST+) (IEEE 802.1w compatible)
	MSTP (IEEE 802.1s): 64 instances
	Spanning Tree PortFast
	Spanning Tree Root Guard
	Spanning Tree Bridge Assurance
	EtherChannel technology (up to 24 ports per EtherChannel)
	LACP: IEEE 802.3ad, IEEE 802.1ax
	Advanced PortChannel hashing based on Layer 2, 3, and 4 information
	vPC
	Jumbo frames on all ports (up to 9216 bytes)
	Storm control (multicast and broadcast)
	Storm control (unicast, multicast, and broadcast)
Private VLANs	
NvGRE entropy	

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	Resilient hashing
Switch Layer 3 Services	Layer 3 interfaces: Routed ports on interfaces, switch virtual interfaces (SVIs), PortChannels, and subinterfaces (total: 1024)
	64-way Equal-Cost Multipath (ECMP)
	4000 ingress and 1000 egress ACL entries
	Routing protocols: Static, RIPv2, EIGRP, OSPF, BGP
	IPv6 routing: Static, OSPFv3, and BGPv6
	Bidirectional Flow Detection (BFD) for BGP, OSPF, and IPv4 static routes
	VRF: VRF-lite (IP VPN), VRF-aware unicast (BGP, OSPF, and RIP), and VRF-aware multicast
	HSRP and VRRP
	ACL: Routed ACL with Layer 3 and 4 options to match ingress and egress ACLs
	Generic Routing Encapsulation (GRE) tunneling
	IP-in-IP Tunnel support
	Jumbo frame support (up to 9216 bytes)
Multicast	Multicast: PIMv2, PIM-SM, and PIM-SSM
	Bootstrap router (BSR), Auto-RP, and Static RP
	MSDP and Anycast RP
	Internet Group Management Protocol (IGMP) Versions 2 and 3
Security features	Ingress ACLs (standard and extended) on Ethernet
	Standard and extended Layer 3 to 4 ACLs include IPv4, Internet Control Message Protocol (ICMP), TCP, and User Datagram Protocol (UDP)
	VLAN-based ACLs (VACLs)
	Port-based ACLs (PACLs)
	Named ACLs
	ACLs on virtual terminals (VTYs)
	Dynamic Host Configuration Protocol (DHCP) relay
	Dynamic Address Resolution Protocol (ARP) inspection
SPAN with ACL filtering	
Control Plane Policing (CoPP)	
Data Broker	Topology support for TAP and SPAN aggregation
	Support for QinQ to tag input source TAP and SPAN ports
	Configuration of symmetric hashing to load-balance traffic to multiple tools
	Traffic filtering based on Layer 1 through Layer 4 header information
	Traffic replication and forwarding to multiple monitoring tools
	Robust RBAC
	Northbound representational state transfer (REST) API for all programmability support
Management features	POAP
	Python scripting
	Switch management using 10/100/1000-Mbps management or console ports
	CLI-based console to provide detailed out-of-band management
	In-band switch management
	Locator and beacon LEDs

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	Configuration rollback
	SSHv2
	Secure Copy (SCP) server
	Telnet
	AAA
	AAA with RBAC
	RADIUS
	TACACS+
	Syslog
	Syslog generation on system resources (for example, FIB tables)
	Embedded packet analyzer
	SNMP v1, v2, and v3
	Enhanced SNMP MIB support
	XML (NETCONF) support
	Remote monitoring (RMON)
	Advanced Encryption Standard (AES) for management traffic
	Unified username and passwords across CLI and SNMP
	Microsoft Challenge Handshake Authentication Protocol (MS-CHAP)
	Digital certificates for management between switch and RADIUS server
	Discovery Protocol Versions 1 and 2
	RBAC
	SPAN on physical layer, port channel, and VLAN
	Tunable buffer allocation for SPAN
	Encapsulated Remote SPAN (ERSPAN)
	Ingress and egress packet counters per interface
	PTP (IEEE 1588) boundary clock
	Network Time Protocol (NTP)
	OHMS
	Comprehensive bootup diagnostic tests
	Call Home
	DCNM
	Advanced buffer utilization monitoring
	sFlow
Manufacturer part number	Bidder should submit BOQ of proposed device including the details part numbers and Manufacturer Warranty.
	Bidder should submit the required performance document for the proposed device.
Warranty	Mentioning manufacturer warranty part number, minimum 3(Three) year warranty should be provided for this unit from the date of successful commissioning

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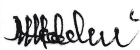
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Terms and Conditions:

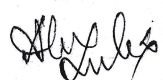
- 1) The offer must be submitted through "**Offering Sheet**" enclosed with the schedule.
- 2) The Switch will be under comprehensive Warranty for full 03 (three) year from the date of delivery and the supplier must handover CON at the time of delivery.
- 3) Supplier will complete the supply, installation and configuration within 30 days of obtaining work order at Data Center, Head Office, Dhaka.
- 4) In case of any trouble with the Switch within the warranty period the supplier shall have to replace/repair the item free of cost at the premises of the Data Center/Disaster Recovery Center where it will be supplied within 24(twenty four) hours. If the Item is not in repairable condition on the premises, it should be replaced by a similar one within 24 (twenty four) hours from getting the information of trouble prior to bring the same at their end for repairing purpose. In case of failure, the Bank shall have the right to get the replacement or repairing works done by other agency at the cost of the supplier. Such costs will be recovered from the supplier and the supplier shall have no objection to it.
- 5) Payment of the bills will be made from ICT Operation Division, Head Office, after delivery and installation of the same in good condition as per specification mentioned in the Supply Order and in proper working condition.
- 6) 10% (ten percent) of the bill amount will be retained as Security Money which will be paid to the supplier after expiry of the warranty period at the satisfaction of the purchaser. Security money may be PO or Bank Gurantee.
- 7) All Tax, Vat, Govt. Duties etc. will be deducted from the bill as per rule prior to payment of the same.
- 8) The authority reserves the right either to accept or to reject all or any offer without assigning any reason.
- 9) Bank is not bound to accept the lowest Quotation. To be successful in the bid, quality of the offered items, financial capability and reputation etc. of the firm as assessed by the Bank are the prime factors for consideration.
- 10) Photocopy of Trade License, TIN Certificate, VAT registration Certificate (if any), Financial Solvency Certificate (if any), Appreciation letter, Major client List and Company profile to be submitted with the Quotation.

Interested parties may participate the tender to be submitted in the Tender Box kept in **Establishment Division, Pubali Bank Limited, Head Office, 12th Floor, 26 Dilkusha C/A, Dhaka by 11-00 a.m. up to 25-10-2017** which will be **opened** on the same day at **11.30 a.m.** in presence of the bidders (if any).


(Md. Aminul Islam)
Assistant General Manager


(Md. Helal Uddin)
Division Head









OFFERING SHEET

(To be submitted along with the offer)

Tenderer's Name :
Address :

Price Offer for CISCO Nexus 3100 Series Switch Model: Nexus 3172TQ-32T with Warranty of 03 (Three) years.

SL	CISCO Switch	Specification	Unit Price (including VAT & TAX)	Total Price (including VAT & TAX)
1	CISCO Nexus 3100 Series Switch Model: Nexus 3172TQ-32T Warranty: 03 (Three) Years	<ul style="list-style-type: none"> • Gigabit Ethernet Ports: • Power Cord: • Console Cable: • GUI Software: • Uplink Port (SFP): • Warranty :01(one) Year 		

Authorized Signature
Designation:
Date:



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