

IN THE HIGH COURT OF DELHI AT NEW DELHI

F. No. 649-B/DA-02/IT/ DHC/No.

6397

Dated:

21.04.2022

From :

The Registrar General
Delhi High Court,
New Delhi.

To

(On the website of this Court)

Sub: Tender calling quotations for purchase of

1. Forty Nine (49) nos. of Cisco Switches (i) Thirty One (31) nos. of Cisco Switch 48 Port Model C9300-48T-E and (ii) Eighteen (18) nos. of Cisco Switch 24 Port Model C9300-24T-E),

AND

2. Two (02) nos. of Nexus 9300 with 48P 1/10/25GE 6p 40/100G QSP28 Fibre Switches (N9K-C93180YC-FX) and other accessories for redundancy plan for 10G LAN of this Court; with the services of a Resident Engineer for five (05) years.

Sir,

This Court intends to call quotations from the authorized Cisco vendors for purchase of the following items with services of well qualified Resident Engineer able to resolve issues independently under five (05) years on-site comprehensive warranty period :-

1.	Forty Nine (49) nos. of Cisco Switches (Thirty One (31) nos. of Cisco Switch 48 Port Model C9300-48T-E and Eighteen (18) nos. of Cisco Switch 24 Port Model C9300-24T-E) for the use of this Court, as per Technical Specifications at Annexure 'A1 & A2' with the services of Resident Engineer for five years.			
2.	Two (02) nos. of Nexus 9300 with 48P 1/10/25GE 6p 40/100G QSP28 Fibre Switches (N9K-C93180YC-FX) and other accessories for redundancy plan for 10G LAN :			
	Sl. No.	Description	Model	Quantity
	1.	Nexus Core Switches Modules	N9K-C93180YC-FX	2 Nos.
	2.	Network Rack 42 U with all accessories	---	1 No.
	3.	SM SFP 10G modules 26 SFP for Switch location + 4 SFP for A Block to C Block connectivity	Cisco	30 Nos.
	4.	Single Mode Optical fiber (6 core OFC) including all accessories like LIU, Pigtel, fiber patch cord (3 Mtr, 5 Mtr and 10 Mtr dual core SM), HDP casing etc, FMS.	DigiCable or Dlink	3600 Mtr. Approximate length
	5.	9 U small rack with all accessories	---	12 nos.
	Detailed Technical Specifications at Annexure-'B'			

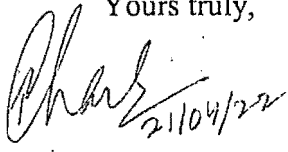
**Note: The participating authorized firm / vendor must submit duly filled in technical specification compliance sheet as per Annexure-'A1', 'A2' & Annexure-'B' along with the quotation to be submitted as per Annexure-'C'. Non compliance will lead to rejection of the quotation.*

The terms & conditions of this tender are as under:-

1. The firm (s) / vendor(s) authorized by OEM(s) to participate in the instant tender are requested to submit the necessary technical / financial bids along with the copy of current authorization letter of the OEM(s) and Earnest Money Deposit (EMD) equal to 5% of total proposed cost by way of Demand Draft or Bankers Cheque drawn in favour of "The Registrar General, Delhi High Court" payable at New Delhi.
2. Quotations received without EMD shall be summarily rejected and no request for waiver of EMD will be entertained.
3. Selected Firms(s) / Vendor(s) will also be required to submit valid authorization letter or copy of valid authorization letter issued by OEM duly attested under the seal of the firm while submitting Invoice/Bill mentioning warranty/support period.
4. The selected vendor will have to install and integrate the new hardware/software with the existing set-up of Delhi High Court.
5. One Scaled/closed envelope containing two scaled/closed envelopes of Technical / Financial Bid & EMD must reach to the AOJ (IT & Stationery Branch), Lawyers' Chamber Block-III, Room No. 6, Ground Floor, Delhi High Court on or before 12-05-2022 till 5:30P.M. clearly mentioning the rates inclusive of GST/Tax rate, technical specifications, warranty/support period and the delivery /installation schedule of the product being offered.
6. The big envelope should be addressed in the name of "The Registrar General, Delhi High Court, New Delhi" and the subject & due date for which the quotation is submitted should be clearly superscribed in capital letters on each envelope.
7. The validity of rates must not be less than 180 days from the last date of submission of quotations.
8. Quotations with less period of validity of rates shall be summarily rejected.
9. No quotation shall be entertained after due date. Envelope(s) received without subject being mentioned on them as referred to above shall be summarily rejected.
10. The quotation must be tendered strictly in the format mentioned in Annexure-'A1' & A2, Annexure 'B' and Annexure 'C' of this tender. Quotation(s) offered in any other format than prescribed shall be liable to be rejected.
11. The DD/Pay order towards EMD of all the tenderers, except the lowest three, shall be returned to vendors on their written request after finalization of Tender Process & EMD of successful tenderer will be returned only after supply and successful completion of the purchase order placed upon the firm fulfilling all codal formalities against receipt.
12. The selected vendor(s) will have to submit Performance Bank Guarantee equivalent to 8% of the Invoice amount with Delhi High Court valid for five years from the date of invoice towards security and satisfactory performance throughout the warranty period.
13. The DD/Pay Order of L-2 & L-3 will be returned upon written request after issuance of the Purchase order to the successful tenderer. If the offer of quotation is withdrawn by the tenderer before/after opening of tender or if any other default is found in the quotation, the amount of EMD shall be forfeited and the firm will be blacklisted from participation in future tenders of this Court.
14. If multiple quotations are submitted by a firm / vendor, all such quotations submitted by it shall be liable to be rejected at the first instance.
15. After opening of the sealed quotation if any correction is found in the offered rate which renders the whole Tender process doubtful or ambiguous, the said quotation shall be summarily rejected.
16. The firm/vendor shall also have to furnish an undertaking (strictly as per Annexure-'D') that the firm or its Partner/Director/Proprietor has not been blacklisted/banned and its Business dealings with the Central/State Government/Public Sector Undertakings/Autonomous Bodies have not been banned/terminated on account of poor performance/conduct and also that all the terms and conditions of the instant Tender Notice are acceptable to them. The quotation received without undertaking shall be summarily rejected.
17. In case the firm/vendor wants any clarification regarding this Tender, Mr. Zamcem Ahmad Khan, Joint Director (IT) at Tel. No. 011-43010101 (Ext. 4852) may be contacted.

This Court reserves the right to modify/amend the quotation letter/terms & conditions at a later stage and will be binding on the participants

Yours truly,


(Rajeev Kumar Chauhan)
Joint Registrar (IT/Sty.)
for Registrar General

CC to:- Director (IT), Delhi High Court.- for uploading on the official website of the Delhi High Court.

CISCO C9300-48T-E

Sl. No.	Description of Product	Compliance (Yes/No)	Remarks, if any
1	General Features		
	Proposed switch should be enterprise grade switch with x86 based CPU architecture		
2	Performance and Scalability		
	The switch should have minimum of 48 nos. 10/100/1000 Ethernet Ports and in addition 8 nos. of 10Gig SFP+ uplink ports		
	The switch should support non-blocking switching bandwidth up to 256 Gbps (without considering stacking bandwidth)		
	The switch should support wire-speed 64-Byte Packet Forwarding Rate up to 190 Mpps		
	The switch should have 16GB of Flash memory to store image and logs		
	The switch should have 8 GB of DRAM		
	The switch should support 1000 SVI		
	3	Stacking	
The switch should support 4094 VLAN IDs			
The switch should support Jumbo frames of 9198 bytes			
The switch should support 32000 Unicast MAC addresses			
Switch should dedicated stacking ports other than user and uplink ports			
Switch should have atleast 480 Gbps stacking performance.			
Switch should be provided with necessary stacking module and cables from day-1			
Switch should support 8 members in stack			
The proposed switch family should support multi gigabit ethernet switches to support higher bandwidth and it should be possible to stack multigigabit switches with proposed switches			
4	Standards		
	The Switch stack should be based on Distributed forwarding Architecture, where in each stack member forwards its own information on network.		
	The Switch stack architecture should have centralized control and Management plane with Active Switch and all the information should be Synchronized with Standby Switch.		
	The Switch should support Stateful Switchover (SSO) when switching over from Active to Standby switch in a Stack.		
	The Switch stack architecture should allow the end user to stack 24 Port Switch with 48 Port of the same model.		
	The Switch should support stack power.		
	The switch should support IEEE 802.1D Spanning Tree Protocol		
	The switch should support IEEE 802.1p		
4	The switch should support IEEE 802.1Q Trunking		
	The switch should support IEEE 802.1s Multiple Spanning Tree (MSTP)		
	The switch should support IEEE 802.1w Rapid Spanning Tree (RSTP)		
	The switch should support IEEE 802.1x		
4	The switch should support IEEE 802.1ab (LLDP)		

		The switch should support IEEE 802.3ad Link Aggregation Control Protocol (LACP) across stack members and should be able to do load balance traffic across links		
5	Layer-2 Features	The switch should support Automatic Negotiation of Trunking Protocol, to help minimize the configuration & errors		
		The switch should support IEEE 802.1Q VLAN encapsulation		
		The switch should support Spanning-tree PortFast and PortFast guard for fast convergence		
		The switch should support Spanning-tree root guard to prevent other edge switches becoming the root bridge.		
		The switch should support Voice VLAN to simplify IP telephony installations by keeping voice traffic on a separate VLAN		
		The switch should support Unidirectional Link Detection Protocol (UDLD) and Aggressive UDLD to allow for unidirectional links caused by incorrect fiber-optic wiring or port faults to be detected and disabled on fiber-optic interfaces.		
		The switch should support IGMP v1, v2 Snooping		
		Switch should support IPv4 and IPv6 The Switch should be able to discover (on both IPv4 & IPv6 Network) the neighboring device giving the details about the platform, IP Address, Link connected through etc, thus helping in troubleshooting connectivity problems.		
6	Layer-3 Features from day 1	Switch should support min. 32000 IPv4 routes, and should support Layer 2, Routed Access (RIP, OSPF - 1000 routes), PBR, PIM Stub-Multicast (1000 routes), PVLAN, VRRP, PBR, CDP, QoS, FHS, 802.1X, MACsec-128, CoPP, SXP, IP SLA Responder, SSO from day 1		
		The Switch should support routing protocols such as OSPF, BGPv4, IS-ISv4, EIGRP, LISP, VXLAN, VRF, MPLS, L3VPN for future upgrade.		
		The Switch should support IPv6 Routing capable protocols such as OSPFv3 in hardware.		
		The Switch should support basic IP Unicast routing protocols (static, RIPv1 & RIPv2).		
		The Switch should support IPv6 & IPv4 Policy Based Routing (PBR)		
		The Switch should support Inter-VLAN routing.		
		The Switch should support HSRP for IPv4 & IPv6.		
		The Switch should support VRRPv3.		
The Switch should support uRPF for IPv4 and IPv6.				
7	Network security features	The switch should support IEEE 802.1x providing user authentication, authorization and CoA.		
		The switch should support SSHv2 and SNMPv3 to provide network security by encrypting administrator traffic during Telnet and SNMP sessions.		
		The switch should support TACACS+ and RADIUS authentication enable centralized control of the switch and restrict unauthorized users from altering the configuration.		
		The switch should support MAC address notification to allow administrators to be notified of users added to or removed from the network.		

		The switch should support MACSec-256, Encrypted traffic analytics		
8	Quality of Service (QoS) & Control	The switch should support 8 egress queues per port to enable differentiated management		
		The switch should support Standard 802.1p CoS field classification		
		The switch should support IPSLA feature set to verify services guarantee based on business critical IP Applications.		
		The switch should support QoS based on application		
9	Operation and Management	The switch should support configuration of the Software image and switch configuration without user intervention		
		The switch should have built in RFID tag for asset tracking and inventory management		
		The switch should support system health checks within the switch		
		The switch should support Command Line Interface (CLI) support for configuration & troubleshooting purposes.		
		The switch should support Layer 2 trace route to ease troubleshooting by identifying the physical path that a packet takes from source to destination.		
		The switch should support Telnet and ssh interface support for comprehensive in-band management.		
		The switch should support SNMPv1, SNMPv2c, and SNMPv3 and netflow v9		
10	Dimension	The Switch should be 1RU		
		The switch should able to support built-in redundant power supplies from day 1		
		Switch should be provided with AC power supply and india power cords		

CISCO C9300-24T-E

Sl. No.	Description of Product	Compliance (Yes/No)	Remarks, if any
1	General Features	Proposed switch should be enterprise grade switch with x86 based CPU architecture	
		The switch should have minimum of 24 nos. 10/100/1000 Ethernet Ports and in addition 8 nos. of 10Gig SFP+ uplink ports	
2	Performance and Scalability	The switch should support non-blocking switching bandwidth up to 208 Gbps (without considering stacking bandwidth)	
		The switch should support wire-speed 64-Byte Packet Forwarding Rate up to 154 Mpps	
		The switch should have 16GB of Flash memory to store image and logs	
		The switch should have 8 GB of DRAM	
		The switch should support 1000 SVI	
		The switch should support 4094 VLAN IDs	
		The switch should support Jumbo frames of 9198 bytes	
		The switch should support 32000 Unicast MAC addresses	
3	Stacking	Switch should dedicated stacking ports other than user and uplink ports	
		Switch should have atleast 480 Gbps stacking performance.	
		Switch should be provided with necessary stacking module and cables from day-1	
		Switch should support 8 members in stack	
		The proposed switch family should support multi gigabit ethernet switches to support higher bandwidth and it should be possible to stack multigigabit switches with proposed switches	
		The Switch stack should be based on Distributed forwarding Architecture, where in each stack member forwards its own information on network.	
		The Switch stack architecture should have centralized control and Management plane with Active Switch and all the information should be Synchronized with Standby Switch.	
		The Switch should support Stateful Switchover (SSO) when switching over from Active to Standby switch in a Stack.	
4	Standards	The switch should support IEEE 802.1D Spanning Tree Protocol	
		The switch should support IEEE 802.1p	
		The switch should support IEEE 802.1Q Trunking	
		The switch should support IEEE 802.1s Multiple Spanning Tree (MSTP)	
		The switch should support IEEE 802.1w Rapid Spanning Tree (RSTP)	
		The switch should support IEEE 802.1x	
		The switch should support IEEE 802.1ab (LLDP)	
		The switch should support IEEE 802.3ad Link Aggregation Control Protocol (LACP) across stack members and should able to do load balance traffic across links	
5	Layer-2 Features	The switch should support Automatic Negotiation of Trunking Protocol, to help minimize the configuration & errors	
		The switch should support IEEE 802.1Q VLAN encapsulation	
		The switch should support Spanning-tree PortFast and PortFast guard for fast convergence	
		The switch should support Spanning-tree root guard to prevent other edge swiches becoming the root bridge.	
		The switch should support Voice VLAN to simplify IP telephony installations by keeping voice traffic on a separate VLAN	

		The switch should support Unidirectional Link Detection Protocol (UDLD) and Aggressive UDLD to allow for unidirectional links caused by incorrect fiber-optic wiring or port faults to be detected and disabled on fiber-optic interfaces.		
		The switch should support IGMP v1, v2 Snooping		
		Switch should support IPv4 and IPv6The Switch should be able to discover (on both IPv4 & IPv6 Network) the neighboring device giving the details about the platform, IP Address, Link connected through etc, thus helping in troubleshooting connectivity problems.		
6	Layer-3 Features from day 1	Switch should support min. 32000 IPv4 routes, and should support Layer 2, Routed Access (RIP, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes)), PVLAN, VRRP, PBR, CDP, QoS, FHS, 802.1X, MACsec-128, CoPP, SXP; IP SLA Responder, SSO from day 1		
		The Switch should support routing protocols such OSPF, BGPv4, IS-ISv4, EIGRP, LISP, VXLAN, VRF, MPLS, L3VPN for future upgrades.		
		The Switch should support IPv6 Routing capable protocols such as OSPFv3 in hardware.		
		The Switch should support basic IP Unicast routing protocols (static, RIPv1 & RIPv2).		
		The Switch should support IPv6 & IPv4 Policy Based Routing (PBR)		
		The Switch should support Inter-VLAN routing.		
		The Switch should support HSRP for IPv4 & IPv6.		
		The Switch should support VRRPv3.		
		The Switch should support uRPF for IPv4 and IPv6.		
7	Network security features	The switch should support IEEE 802.1x providing user authentication, authorization and CoA.		
		The switch should support SSHv2 and SNMPv3 to provide network security by encrypting administrator traffic during Telnet and SNMP sessions.		
		The switch should support TACACS+ and RADIUS authentication enable centralized control of the switch and restrict unauthorized users from altering the configuration.		
		The switch should support MAC address notification to allow administrators to be notified of users added to or removed from the network.		
		The switch should support MACSec-256, Encrypted traffic analytics		
8	Quality of Service (QoS) & Control	The switch should support 8 egress queues per port to enable differentiated management		
		The switch should support Standard 802.1p CoS field classification		
		The switch should support IPSLA feature set to verify services guarantee based on business critical IP Applications.		
		The switch should support QoS based on application		
9	Operation and Management	The switch should support configuration of the Software image and switch configuration without user intervention		
		The switch should have built in RFID tag for asset tracking and inventory management		
		The switch should support system health checks within the switch		
		The switch should support Command Line Interface (CLI) support for configuration & troubleshooting purposes.		
		The switch should support Layer 2 trace route to ease troubleshooting by identifying the physical path that a packet takes from source to destination.		
		The switch should support Telnet and ssh interface support for comprehensive in-band management.		
		The switch should support SNMPv1, SNMPv2c, and SNMPv3 and netflow v9		
10	Dimension	The Switch should be 1RU		
		The switch should able to support built-in redundant power supplies from day 1		
		Switch should be provided with AC power supply and india power cords		

CISCO (N9K-C93180YC-FX)				
Sl. No.	Description of Product		Compliance (Yes/No)	Remarks, if any
1	Solution Requirement	The Switch should support non-blocking Layer 2 switching and Layer 3		
		Switch should support the complete STACK of IPv4 and IPv6 services.		
		The proposed switches should be part of Gartner Leader Quadrant for DC Networking for last 2 years		
		The Switch used have the capability to function in line rate for all ports		
2	Hardware and Interface Requirement	Switch should have the following interfaces:		
		Minimum 48 ports support 1/10/25Gbps SFP+ ports for host connectivity and 6*100G ports for Fabric/Spine connectivity.		
		Switch should have console port for local management & management interface for Out of band management		
		1 RU fixed form factor		
		Switch should be rack mountable and support side rails if required		
		Switch should be provided with power redundancy		
3	Performance Requirement	Modular OS with dedicated process for each routing protocol		
		Switch should re-converge all dynamic routing protocol at the time of routing update changes i.e. Graceful restart for fast re-convergence of routing protocols (OSPF, IS-IS, BGP)		
		Switch should support minimum 1000 VRF instances with route leaking		
		The switch should support 650K IPv4 LPM routes		
		The Switch should support intelligent buffer management with a minimum buffer of 40MB.		
		The switch should have MAC Address table size of 512K		
		The switch should support 128K multicast routes		
		Switch should support 4000 VLANs		
		Switch should support 64 nos of ECMP paths		
		Switch should support minimum 3.6 Tbps of switching capacity (or as per specifications of the switch if quantity of switches are more, but should be non blocking capacity)		
4	Network Virtualization Features	Switch should support Network Virtualisation using Virtual Over Lay Network using VXLAN		
		Switch should support VXLAN and EVPN symmetric IRB for supporting Spine - Leaf architecture to optimise the east - west traffic flow inside		
5	Layer2 Features	Spanning Tree Protocol (IEEE 802.1D, 802.1W, 802.1S)		
		Switch should support VLAN Trunking (802.1q)		
		Switch should support minimum 90k no. of MAC addresses		
		Switch should support VLAN tagging (IEEE 802.1q)		
		Switch should support IEEE Link Aggregation and Ethernet Bonding functionality (IEEE 802.3ad) to group multiple ports for redundancy		
		Switch should support Link Layer Discovery Protocol as per IEEE 802.1AB for finding media level failures		
		Switch should support layer 2 extension over VXLAN across all DataCenter to enable VM mobility & availability		
		The Switch should support DC Bridging i.e. IEEE 802.1Qbb Priority Flow Control (PFC), Data Center Bridging Exchange (DCBX), IEEE 802.1Qaz Enhanced Transmission Selection (ETS), Explicit Congestion Notification		
		Maximum number of port channels should be 300		
		Maximum no of ports in the port channel should be 32		
6	Layer3 Features	The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane		
		Switch should support static and dynamic routing		
		Switch should support segment routing and VRF route leaking		
		Switch should support Segment Routing and Layer3 VPN over Segment		
		Switch should support multi instance routing using VRF/ VRF Edge/ Virtual Router routing and should support VRF Route leaking		
		Switch should provide multicast traffic reachable using:		
		a. PIM-SM		
		b. PIM-SSM		
Support Multicast Source Discovery Protocol (MSDP)				
IGMP v1, v2 and v3				

7	Quality of Service	Switch system should support 802.1P classification and marking of		
		a. CoS (Class of Service)		
		b. DSCP (Differentiated Services Code Point)		
		Switch should support for different type of QoS features for real time traffic differential treatment using		
		a. Weighted Random Early Detection		
		b. Strict Priority Queuing		
		Switch should support Rate Limiting - Policing and/or Shaping		
8	Security	Switch should support control plane Protection from unnecessary or DoS traffic by control plane protection policy		
		Switch should support for external database for AAA using:		
		a. TACACS+		
		b. RADIUS		
		Switch should support to restrict end hosts in the network. Secures the access to an access or trunk port based on MAC address. It limits the number of learned MAC addresses to deny MAC address flooding		
		Switch platform should support MAC Sec (802.1AE) encryption in VXLAN and other tunnel encapsulation/decapsulation should be performed in single pass in Hardware		
		Switch should support for Role Based access control (RBAC) for restricting host level network access as per policy defined		
		Switch should support DHCP Snooping		
		Switch should support Dynamic ARP Inspection to ensure host integrity by preventing malicious users from exploiting the insecure nature of		
		Switch should support IP Source Guard to prevents a malicious hosts from spoofing or taking over another host's IP address by creating a binding table between the client's IP and MAC address, port, and VLAN		
		Switch should support unicast and/or multicast blocking on a switch port to suppress the flooding of frames destined for an unknown unicast or multicast MAC address out of that port		
		Support for broadcast, multicast and unknown unicast storm control to prevent degradation of switch performance from storm due to network attacks and vulnerabilities		
		The Switch should support LLDP.		
9	Manageability	Switch should support Spanning tree BPDU protection		
		Switch should support for sending logs to multiple centralised syslog server for monitoring and audit trail		
		Switch should provide remote login for administration using:		
		a. Telnet		
		b. SSHv2		
		Switch should support for capturing packets for identifying application performance using local and remote port mirroring for packet captures		
		Switch must have Switched Port Analyzer (SPAN) with minimum 4 active session and ERSPAN on physical, Port channel, VLAN interfaces		
		Switch should support for management and monitoring status using different type of Industry standard NMS using:		
		a. SNMP v1 and v2, SNMP v3 with Encryption		
		Switch should provide different privilege for login in to the system for monitoring and management		
		Should have Open APIs to manage the switch through remote-procedure calls (JavaScript Object Notation [JSON] or XML) over HTTPS after secure authentication for management and automation purpose.		
		The Switch Should support monitor events and take corrective action like a script when the monitored events occurs.		
		Should support hardware telemetry from ASIC-		
• Flow path trace (ingress to egress switch)				
• Per Flow Hop by Hop packet drop with reason of drop				
• Per Flow latency (per switch and end to end)				
10	AVAILABILITY	Switch should have provisioning for connecting to 1:1/N+1 power supply for usage and redundancy		
		Switch should provide gateway level of redundancy Ip V.4 and IP V.6		
		Switch should support for BFD For Fast Failure Detection		

11	MISCELLANEOUS POINTS	Console cable and power cable (As per Indian standards) as per customer requirement to be provided. All Cables shall be factory-terminated		
		All Functionalities of Switch shall be IPv6 compliant and it should work on IPv6 Platform without any additional hardware/ software.		
		All the components should be from same OEM.		
12	Device Management	The solution must be supplied with a Central management solution and associated licenses for managing, monitoring and provisioning the		
		Solution must provide a single GUI tool for centralized management system with role based access control.		

Annexure - 'C'

Price Bid

S. No.	Description of Product	Unit Price (without taxes)	Tax Rate (%)	Total Price (incl. of tax)	Validity of Rates (required 180 days)	Remarks, if any
1.	Forty Nine (49) Cisco Switches					
	(i) Thirty One (31) nos. of Cisco Switch 48 Port Model C9300-48T-E,					
	(ii) Eighteen (18) nos. of Cisco Switch 24 Port Model C9300-24T-E					
2.	<p>Two (02) nos. of Nexus 9300 with 48P 1/10/25Gb 6p 40/100G QSP28 Fibre Switches (N9K-C93180YC-FX) and other accessories for redundancy plan for 10G LAN :</p> <p>(i) Nexus Core Switches Modules (Model : N9K-C93180YC-FX) – Qty.: 02 Nos.</p> <p>(ii) Network Rack 42 U with all accessories – Qty.: 01 No.</p> <p>(iii) SM SFP 10G modules 26 SFP for Switch location + 4 SFP for A Block to C Block connectivity (Model: CISCO) – Qty.: 30 Nos.</p> <p>(iv) Single Mode Optical fiber (6 core OFC) including all accessories like LIU, Pigtail, fiber patch cord (3 Mtr, 5 Mtr and 10 Mtr dual core SM), HDP casing etc, FMS. (Model: DigiCable or Dlink) – Qty.: 3600 Mtr. Approximate length</p> <p>(v) 9 U small rack with all accessories –Qty.: 12 nos.</p>					
	(Both with the Services of a Resident Engineer for Five (05) years).					
	TOTAL					

Total price (incl. of taxes) in words Rs. _____

UNDERTAKING

I/We undertake that the firm _____ (name of the firm)
or its Partner/Director/Proprietor _____ has not been
blacklisted / banned and its Business dealings with the Central / State Government / Public
Sector Undertaking / Autonomous Bodies have not been banned / terminated on account of poor
performance / conduct.

I/We undertake that all the terms and conditions of the instant Tender Notice are
acceptable to me/us.

Signature of the authorised
Signatory of the firm/company/organisation
Official Stamp/Seal

Date:-

Place:-