



UCO BANK

Department of Information Technology

**Request for Proposal (RFP) for Supply, Delivery, Installation and
Maintenance of Network Devices**

RFP Ref. No: DIT/BPR & BTD/OA/4412/2019-20 Date: 02/12/2019

**Pre-Bid Responses/ Clarifications to Queries raised by the Bidder(s),
Amendments, Addendums and Corrigendum's**

Sl. No	Page No	Clause No	Clause as per RFP	Bank Response/clarification
1.	RFP Page 38	Scope of the Work Part IV Point no. 47 (a)	The successful bidder should complete the entire project (delivery, configuration, migration of proposed DC fabric and integration with existing network architecture) within 12 weeks (for all locations) from the issuance of Purchase order. (Damages applicable in case of default)	Clause modified as: The successful bidder should complete the entire project (delivery, Installation, configuration of proposed DC fabric, Firewall, VPN devices, Switches and integration with existing network architecture) within 16 weeks (for all locations) from the issuance of Purchase order
2.	Page No. 34	Scope of Work Leaf switch (fiber) Point No. (I)	Switch each with minimum 48 nos. Slot based switches along with fibre SFPs. Fibre ports should support 1G/10G port capacity. Same slots of switches should also be compatible for copper based SFPs which should support 100M/1000M/10000M port capacity. Switch should work in High Availability (HA) Active-Active mode.	Clause modified as: Switch each with minimum 48 nos. Slot based switches along with fully populated fiber SFP 1G/10 G module (SR module) from day 1. Same slots of switches should also be compatible for copper based SFPs which should support minimum 1G port capacity. Switch should work in High Availability (HA) Active-Active mode from day 1.
3.	Page No. 106	VPN Concentrator, Point no. 17	Hot Swap ability: The router must support on line hot insertion and removal of cards. Any insertion line card should not call for router rebooting nor should disrupt the remaining unicast and multicast traffic flowing in any way.	Clause modified as: Fixed/Hot Swap ability: The router must support on line hot insertion and removal of cards/Power supply. Any insertion line card/Power supply should not call for router rebooting nor should disrupt the remaining unicast and multicast traffic flowing in any way.
4.	Pre-Bid Responses document Page	2 PAIR OF CORE FIREWALL (TYPE 1) TECHNICAL REQUIREMENTS	Firewall performance should be minimum real world throughput 60 Gbps after enabling the IPS, QoS, malware protection function.	Clause modified as: Firewall performance should be minimum real-world throughput 60 Gbps after enabling IPS, QoS, malware protection from day 1. For enabling IPS, QoS, malware

	123	NTS AT DC & DR Point no. 8		protection, if any addition license/ATS required during contract period, bidder needs to factor same without any additional cost. If any additional hardware & software required for management of TYPE-1 Firewalls, bidder needs to provide and maintenance same during contract period.
5.	Pre-Bid Responses document Page No. 131	3 PAIR OF INTERNET & EXTRANET FACING FIREWALL (TYPE-2) TECHNICAL REQUIREMENTS AT DC & DR Point no. 8	Firewall performance should be minimum real world throughput 20 Gbps after enabling all function like IPS, QoS, and malware protection.	Clause modified as: Firewall performance should be minimum real-world throughput 20 Gbps after enabling IPS, QoS, malware protection and ZERO-day attack protection from day 1. For enabling IPS, QoS, malware protection and ZERO-day attack protection if any addition license/ATS required during contract period, bidder needs to factor same without any additional cost. If any additional hardware & software required for management of TYPE-2 Firewalls, bidder needs to provide and maintenance same during contract period.
6.	Pre-Bid Responses document	#20, #31, #160, #215	Clause modified as under: Chassis based or modular architecture for scalability & other than Checkpoint OEM.	It is clarified that: Type-1 & Type-2 Firewall should be Chassis based or modular architecture for scalability. Type-1 firewall should not be from OEM checkpoint & Type-2 firewall should be form other than proposed Type-1 Firewall OEM.
8.	128	55	The solution should provide the ability to upload gold image and analyse threats under conditions of actual host environment.	Clause stands deleted
9.	130	84	The solution must be capable of passively gathering information about network hosts and their activities, such as operating system, services, open ports, client applications, and vulnerabilities, to assist with multiple activities, such as intrusion event data correlation, elimination of false positives, and policy compliance.	Clause modified as: The solution must be capable of passively gathering information about hosts and their activities, vulnerabilities, to assist with multiple activities, such as intrusion event data correlation, elimination of false positives, and policy compliance.

10	131	88	The solution must be capable of passively gathering details unique to mobile devices traffic to identify a wide variety of mobile operating systems, mobile applications and associated mobile device hardware.	Clause stands deleted
11	RFP Page 127	Point 45 TYPE-2	The solution should support the following File/Media Types for Malware identification: PDF, ZIP, 7Z, RAR, CAB, PKZIP, EXE, DLL, SYS, SCR, CPL, OCX, Java, Flash, MS office files.	Clause modified as: The solution should support minimum the following File/Media Types for Malware identification: PDF, ZIP, 7Z, RAR, CAB, PKZIP, EXE, SCR, CPL, Java, Flash, MS office files.
12			Clarification on Spin- leaf switches and Firewall	<p>It is clarified that:</p> <ol style="list-style-type: none"> 1. Proposed spine switches should have 100G SFP fiber module and all port of spine switch should be fully populated with 100G fiber mode from day 1. 2. Proposed 48 & 24 port leaf switch (Fiber) should be fully populated with 10G fiber module (SR module & LC-LC type cable for server connectivity) & should have minimum two nos. of 100G fiber module for connectivity with spine switches form day-1. 3. Proposed 48 port leaf switch (copper) should have 1G/10G Ethernet copper port/module (Fully populated) for connectivity with old/existing server having 1G/10G Ethernet port & should have minimum two nos. of 100G fiber module for connectivity with spine switches from day 1. 4. Bank may procure additional Spine, leaf & L3 switches (Fiber or copper) during price validity period. 5. Type-1 Firewall should have at least 6 no. of 10 G ports fiber port and 4 nos. of 40G/100 G fiber port and 2 nos. 1 G (Copper) Ethernet

				<p>port. Type -1 Firewall should be fully populated with fiber module (10 G and 40/100 G) for fiber connectivity with proposed leaf/spin switches as per requirement.</p> <p>6. Type-2 Firewall should have at least 6 no. of 1 G (Copper) Ethernet ports and 6 no. of 10 G fiber port. Type-2 Firewall should be fully populated with 10 G fiber module for connectivity with fiber proposed leaf switch as per requirement.</p>
13			Clarification on Network cabling	<p>Bidder needs to consider following points during Network cabling</p> <ol style="list-style-type: none"> 1. Bidder should supply and installed required 100 Gig (12 Fiber) uplink between Leaf to Spine and 10Gig for between Server to Leaf switch. 2. Bidder should propose the BoM for network cabling as per their active solution design. 3. All New servers will be placed within approximately 12 adjacent Racks and fiber leaf switches will be installed among said 12 racks. 4. All existing servers will be placed within approximately 4 nos. of adjacent Racks and copper leaf switches will be installed among said 4 racks. 5. Maximum distance between one left switch to server will be 4 adjacent rack distance. 6. Each Leaf switches will be connected to two Spain switches (in HA) with separate/dedicated 100 G fiber uplink for high availability. 7. Each server will be connected with 2 nos. of fiber or copper leaf switches (in HA) with 10G fiber or 1G copper cable. 8. Maximum distance between switches will be 80Mtr. 9. Maximum no of server to leaf

				<p>switch connectivity will be 200 nos. Accordingly bidder needs to factor LC-LC type cable for 10G server connectivity.</p> <p>10. Bidder should supply & installed/commission network cables infrastructure (Passive) considering all above-mentioned points.</p> <p>11. Proposed network cabling infrastructure (Passive) should have minimum 20 years performance warranty from OEM. Any issue/problem in network cabling infrastructure (Passive) during contract period bidder should resolved same as per SLA and no additional cost to the Bank.</p>
--	--	--	--	--

BILL OF MATERIAL AND PRICE SCHEDULE**(TO BE SUBMITTED WITH TECHNICAL BID)****Component of Network devices (Revised)**

Sl. No.	Description	Unit		Make	Model and Part no. (Device and AMC)
		DC	DR		
1	Minimum 32 Port Spine Switches with Fiber module	2	2		
2	48 Port Leaf Switches-(Copper) with copper port module if any	6	6		
3	24 Port Leaf Switches-(Fiber) with Fiber module	6	6		
4	48 Port Leaf Switches-(Fiber) with Fiber module	6	6		
5	Firewall (HA) –Type 1	1 pair	1 pair		
6	Firewall (HA)- Type 2	1 pair	2 pair		
7	VPN Concentrator (HA)	1 pair	1 pair		
8	L3 Switches	2	6		
9	Network Cabling	As required	As required		
10	FM Services 24x7x365	1 (Seat)	1 (Seat)		
11	AMC of minimum 32 Port Spine Switches with Fiber module	2	2		
12	AMC of 48 Port Leaf Switches-(Copper) with copper port module if any	6	6		
13	AMC of 24 Port Leaf Switches-(Fiber) with Fiber module.	6	6		
14	AMC of 48 Port Leaf Switches-(Fiber) with Fiber module	6	6		
15	AMC of Firewall (HA) –Type 1	1 pair	1 pair		
16	AMC of Firewall (HA)- Type 2	1 pair	2 pair		
17	AMC of VPN Concentrator (HA)	1 pair	1 pair		
18	AMC of L3 Switches	2	6		
19	Support for passive components of Network Cabling	As required	As required		

Date
Place

Authorised Signatory
Name
Designation

COMMERCIAL TEMPLATE

Table A Devices Cost with 3 Years Comprehensive Warranty & Implementation Cost								
Sl. No	Description	Qty. (A)		Make	Model and device part no	Unit Price without tax (B)	Tax (C)	Total Price with Tax D= (AxB)+C
		DC	DR					
1	Minimum 32 Port Spine Switches with Fiber module	2	2					
2	48 Port Leaf Switches-(Copper) with copper port module if any	6	6					
3	24 Port Leaf Switches-(Fiber) with Fiber module	6	6					
4	48 Port Leaf Switches-(Fiber) with Fiber module	6	6					
5	Firewall (HA)- type 1	1 pair	1 pair					
6	Firewall (HA)- type 2	1 pair	2 pair					
7	VPN Concentrator (HA)	1 pair	1 pair					
8	L3 Switches	2	6					
9	Network Cabling	As required	As required					
10	Additional devices/Items required for the compliance of the scope of work as per the Annexure –XVI, Prebid reply and amendments, addendums and Corrigendum's , if any.	As required	As required					
11	Implementation Cost of all supplied devices	1	1					

12	Implementation Cost of Network cabling	1 lot	1 lot					
Sub Total of Table A								

Table B										
4th & 5th Year Comprehensive AMC										
Sl. No.	Description	Unit (A)		Make	Model and AMC part no	4 th year AMC Unit Price (B)	Tax (c)	5 th year AMC Unit Price (D)	Tax (E)	Total Price with tax F=A(B+D)+C+E
		DC	DR							
1	Minimum 32 Port Spine Switches with Fiber module	2	2							
2	48 Port Leaf Switches-(Copper) with copper port module if any	6	6							
3	24 Port Leaf Switches-(Fiber) with Fiber module	6	6							
4	48 Port Leaf Switches-(Fiber) with Fiber module	6	6							
5	Firewall (HA)- type 1	1 pair	1 pair							
6	Firewall (HA)- type 2	1 pair	2 pair							
7	VPN Concentrator (HA)	1 pair	1 pair							
8	L3 Switches	2	6							
9	Network Cabling infrastructure (passive components) support	As required	As required							
10	Additional devices/Items required for the compliance of the scope of work as per the Annexure –XVI, Prebid reply and	As required	As required							

amendments, addendums and Corrigendum's , if any.									
Sub Total of Table B									

Table C FM Services 24x7x365 (1 seat) for 5 years					
SL No	Years	Qty	Unit Price	Tax	Total price With Tax
1	1st year				
2	2nd Years				
3	3rd Years				
4	4th Year				
5	5th Year				
Sub Total of Table C					

Table D Total Project Cost (TCO)	
Description	Price
Sub Total of Table A (Devices Cost with 3 Years Comprehensive Warranty & Implementation Cost)	
Sub Total of Table B (4th & 5th Year Comprehensive AMC)	
Sub Total of Table C (FM Server 24x7x365 (1 seat) for 5 years)	
Total Project Cost (TCO) = (Sub Total of Table A+ Sub Total of Table B +Sub Total of Table C)	

Note:

1. The calculation for arriving at TCO is properly mentioned in the appropriate columns and we confirm that the above-mentioned rates are accurate. In case of any anomalies in the calculation for arriving at TCO, the Bank will have the right to rectify the same and it will be binding upon our company.
2. If the cost for any line item is indicated as zero or blank then Bank may assume that the said item is provided to the Bank without any cost.

3. Bank has discretion to keep any of the line item mentioned above as optional as per Bank's requirement.
4. We have ensured that the price information is filled in the Commercial Offer at appropriate column without any typographical or arithmetic errors. All fields have been filled in correctly.
5. We have not added or modified any clauses/ statements/ recordings/ declarations in the commercial offer, which is conditional and/or qualified or subjected to suggestions.
6. We have understood that in case of non-adherence to any of the above, our offer will be summarily rejected.
7. In case of any discrepancy between figures and words, the amount in words shall prevail.
8. Please note that any Commercial offer which is conditional and/ or qualified or subjected to suggestions will also be summarily rejected. This offer shall not contain any deviation in terms & condition or any specifications, if so such offer will be summarily rejected.
9. All prices should be quoted in (INR) only.
10. The TCO (Total cost of ownership) will be inclusive of GST and other applicable taxes. However the GST and other applicable taxes will be paid as per actuals at time of billing.
11. **While TCO shall be used by the Bank to discover L1 bidder, Order may be placed for all or selected line items mentioned above on the L1 bidder price.**
12. Bank also reserves to right to alter the quantity as per above terms and condition mentioned above to meet Bank business requirement.

Place:
Date:

AUTHORISED SIGNATORY

Name:
Designation