



Request for Proposal (RFP)

**MANAGED WAN CONNECTIVITY
BETWEEN NATIONWIDE BRANCHES AND AGGREGATION SITE
along-with
ROUTER / FIREWALL FOR BRANCHES
and
CONNECTIVITY FOR VIDEO CONFERENCE AT 05 LOCATIONS**

Last Date for Submission:	19th March, 2018 at 10:30 A.M.
Opening Date:	19th March, 2018 at 11:00 A.M.

Description of Work

A. Introduction

The Bank of Khyber invites prospective vendors having legal presence in Pakistan for the delivery, deployment, testing, configuration, commissioning, training, warranty, services and support of the following items: -

- a. Managed WAN Connectivity between its nationwide branches and aggregation site at BoK Head Office, Peshawar which includes Last Mile Primary connectivity (Fiber Optic) and Secondary connectivity (Wireless).
- b. Router/Firewall for Nationwide Branches in line with required Technical specifications mentioned in Annexure – B of this document.
- c. Internet Connectivity for Video Conferencing at 05 Locations.

Bidders are required to submit two separate sealed proposals i.e. Technical and Financial to the office of the **Head Procurement Division, The Bank of Khyber** on or before **Monday, 19th March, 2018 at 10:30 AM**. Bid Opening Date is **Monday, 19th March, 2018 and Time is 11:00 AM** at The Bank of Khyber, Head Office.

B. Scope of Work / Objective

Bidders are required to provide Managed WAN connectivity for nationwide branches (List attached at Annexure – A) that includes Primary (Fiber Optic) and Secondary (Wireless) connectivity along-with Router/Firewall in line with Technical Specifications (Attached at Annexure – B) as a turnkey solution including but not limited to conducting site survey, design, branch grounding testing, system supply, deployment and installation, configuration, integration and commissioning, training, testing, services, support and warranty.

SLA of 99.9% will be required for Aggregation site while 98.5% will be required for branch end before deployment.

Bidder will be required to install/provide 05 Fiber Optic Connections (Primary 5 Mbps and Secondary 2Mbps) for Video Conferencing at the following locations: -

- a. MD Chamber, State Life Building, BoK Head Office, Peshawar.
- b. Blue Area, Islamabad Branch.
- c. Faisal Town Branch, Lahore.
- d. Treasury & Investment Division, BRR Tower, Karachi.
- e. IT Conference Room, State Life Building, BoK Head Office, Peshawar.

Nationwide branches Managed WAN connectivity between BOK branches & Primary Data Center, Peshawar

1. Total sites are 166 (Province wise list attached as Annexure 'A')
2. Last mile connectivity primary media is Fiber Optic and secondary media is Wireless or any other Media.
3. The bidder will propose two types of bandwidths i.e. 1Mbps CIR & 2 Mbps CIR for each branch. BOK will opt the bandwidth as per its own requirement.
4. The bidder will also quote & provide only one type (same brand & model) of Enterprise grade router / Firewall (specifications are attached as Annexure 'B') at each branch having auto failover capability.
5. At aggregation site, fully redundant media connectivity with primary media on optical fiber and secondary media on wireless. –

Nationwide Branch End Connectivity

1. BoK has total 166 nationwide branches (Province wise list attached as Annexure 'A').
2. Bidder will provide branch wise Primary & Secondary connectivity details (Format attached as Annexure 'A').
3. Bidder will propose & commission either 1Mbps or 2Mbps as requested by BOK. The Bidder will provide dedicated and redundant CIR connectivity over Fiber Optic and Wireless at each branch. Fiber Optic media will be as Primary media whereas Wireless will be as Secondary media (backup link). Both media to be automatically switch over to provide seamless connectivity at branch end in case of disruption of Primary media.
4. All branches need to be aggregated at main Data Center, The Bank of Khyber head office located at State life building, 4th Floor, the Mall Peshawar Cantt. Bidder must provide redundant and sufficient aggregation/backhaul link at main Data Center.
5. Provision of Ethernet handoff at all branches.
6. Bidder will provide MPLS connectivity having 06 usable Private IP Addresses i.e. /29 IP Pool for each branch.
7. The Bidder will be proactively (around the clock 07 days a week & 365 days a year) monitored the communication media by using specialized Network Monitoring System.
8. The Bidder will provide this communication monitoring report on regular basis to The Bank of Khyber.
9. Bidder will provide enterprise grade router/ Firewall (specification are attached as Annexure 'B') at each branch for auto fail over mechanism.
10. In case of any fault either in Router / Firewall or Communication media, bidder will proactively register complaint and take necessary action for resolution of fault.
11. Bidder will keep spares Router/ Firewalls in stock for replacement of faulty equipment if and when required for rendering services. The Bidder is bound to replace the Router/ Firewall within same day.
12. Bidder will be responsible for initial trainings to The Bank of Khyber Network team regarding initial diagnostics of provided connectivity medium.
13. Bidder will provide web based complaint portal having history of complaints launched with time stamp and 24/7 dedicated telephonic contact to report any issues in the provided communication media.
14. The Bidder will also take all types of permissions from national controlling authorities for road digging, road cross cabling etc.
15. The Bidder will also responsible to perform any type of civil works including drilling required for cabling outside or inside branch premises also all types of cables need to be properly ducted till branch Router/ Firewall.
16. After successful deployment of connectivity, bidder will conduct PAT (Provisional Acceptance Testing) and get it properly signed off.

Aggregation End (Main Data Center Peshawar) Head Office Connectivity

1. Bidder will commission aggregation link over MPLS cloud on fiber medium at Main Data Center Khyber Bank (Primary site) located at Sate life building,4th Floor, Statelife Building, the Mall road Peshawar Cantt, Peshawar. A redundant link on a separate media will be provided for uninterrupted services in case of unavailability of primary media.

2. Primary site bandwidth must be CIR cumulative bandwidth of all bank branches.
3. Bidder will operate and monitor communication media provided to Khyber Bank around the clock 7 days a week, 365 days a year.
4. Bidder will make sure smooth auto failover of primary and redundant communication media.
5. Bidder will keep spares in stock for replacement of faulty equipment if and when required for rendering services.
6. The Bidder will also take all types of permissions from national controlling authorities for road digging, road cross cabling etc.
7. The Bidder will also responsible to perform any type of civil works including drilling required for cabling outside or inside Main Data Center premises also all types of cables need to be properly ducted till Primary Data Center Peshawar.
8. Bidder will be responsible for initial trainings to The Bank of Khyber Networks Team regarding initial diagnostics of provided connectivity medium at primary site.
9. Bidder will provide web based complaint portal having history of complaints launched with time stamp and 24/7 dedicated telephonic contact to report any issues in the provided communication media.
10. After successful deployment of connectivity at Main Data Center Peshawar, bidder will conduct PAT (Provisional Acceptance Testing) and get it properly signed off.

C. Proposal Response Format

The vendor is required to submit two separate sealed proposals i.e. Technical and Financial. The proposals must be submitted in the following format:

i. Technical Proposal

Technical Proposal must include the following information: -

- Bidder is required to submit its Technical Proposal in accordance with the **Mandatory Requirements** as mentioned below. Failing to which the proposal will not be considered.

#	Mandatory Requirements	Proof to be submitted for fulfilling Eligibility Criteria
1	The Bidder should be registered under the laws of Pakistan with PTA	Registration/ Incorporation Certification should be provided
2	The bidder should have at-least 5 years' experience of provision of relevant services and must be registered with FBR	The bidder should provide its FBR registration certificate (NTN)
3	The bidder should be an Active Tax Payer	KPRA (Khyber Pakhtunkhwa Revenue Authority) Registration Certificate should be provided
4	Bidder should be Active with FBR	Valid GST Registration and Income Tax Certificate should be provided

5	The bidder should not have been blacklisted by any of the Provincial / Federal Government or organizations of the State / Federal Government in Pakistan	Undertaking on stamp papers should be submitted by the bidder
6	The bidder must submit Annual Audited Report for the last 03 Financial years	Annual Audit Report for the last 3 years should be provided.
7	The bidder must have legal presence in Pakistan. The firm must submit List of Technical Support Offices across Pakistan	Valid documentary evidence must be submitted
8	Preference will be given to the bidder having experience in Financial Institution / Banks	Valid documentary evidence (PO) must be submitted
9	Bidder shall provide Clientage List of the Company	Valid documentary evidence must be submitted
10	Escalation Matrix to be defined for support.	List of HR to be provided.
11	If Bidder is offering connectivity services from third party service provider then bidder shall provide Joint Venture or relevant document for the same	Valid documentary evidence should be provided
12	Compliance to Technical Requirements / Specifications of required Services Router/Firewall and must provide Project Implementation Plan	Relevant documents to be provided
13	Direct Remote and On-site support from Service provider will be required for 05 years after completion/acceptance of job.	Relevant documents to be provided
14	Licenses (required to run the solution) along-with Warranty & Support contracts (for all devices, cards, etc.) should be quoted for Five years term.	Relevant documents to be provided

Technical Evaluation Criteria is as follows: -

Company Profile				
SNo	Attribute	Maximum Score	Score Distribution	Requirements
1	Number of years since the Company has been established based upon NTN	Max (10 Marks)	1 Mark for each year Less than 5 Years will be disqualified	
2	Location of Offices with Technical Support	1 Mark for each Office (Max 10)	10	Technical support office at all Districts where BoK branches exist as per list attached in 'Annex – A'.
			5	Other
3	Similar projects (must attach Purchase Orders)	10	10	10 or more similar projects completed having minimum 100 sites in each project
			5	5 or more similar projects completed having minimum 100 sites in each project
			0	Less than 5 projects completed having minimum 100 sites in each project
4	Financial Strength of the Company as per	5	5	Having Annual Turnover of atleast 30 Billion

	provided 3 years Financial statement		0	Having Annual Turnover of Less than 30 Billion
Support and Warranty				
5	Five years operational support (Onsite at Data Centre)	5	5	24/7 remote support for aggregation link (Primary Site) Onsite support at main Data Centre within 04 hours Web Portal for complaint lodging 99.9% SLA for connectivity at main Data Centre
			0	Other
6	Five years operational support (Onsite at All Branches)	5	5	Onsite support at all branches within 24 hours Web Portal for complaint lodging 98.5% SLA for connectivity at Branches
			0	Other
Khyber Bank Branch Connectivity				
6	Managed WAN Connectivity at BoK Nationwide Branches	40	40	Provision of dual media connectivity with Primary media on Fiber Optic whereas redundant media on wireless 80% or more sites to be covered with Fiber Optic as Primary media Remaining sites can be made feasible by wireless media with Ethernet handoff SLA will be 98.5% Rest of the sites can be made feasible with wireless as primary media and VSAT/ADSL as redundant media
			20	Provision of dual media connectivity with Primary media on Fiber Optic whereas redundant media on wireless 70% or more sites to be covered with Fiber Optic as Primary media Remaining sites can be made feasible by wireless media with Ethernet handoff SLA will be 98.5% Rest of the sites can be made feasible with wireless as primary media and VSAT/ADSL as redundant media
			5	Provision of dual media connectivity with Primary media on Fiber Optic whereas redundant media on Wireless. 50% or more sites to be covered with Fiber Optics as Primary media. Remaining sites can be made feasible by Wireless media with Ethernet handoff. SLA will be 98.5%. Rest of the sites can be made feasible with wireless as Primary media and VSAT/ADSL as redundant media.
			0	Any other
7	Connectivity at main Data Centre (Aggregation Site), Khyber Bank Head Office, Peshawar	5	5	Redundant CIR link over MPLS cloud at Data Centre with Primary media on Fiber and Secondary media on Wireless alongwith auto failover device. SLA 99% to be achieved.

	Cantt.		0	Any other media type and SLA level.
8	Service Provider having its own Redundant Fiber Infrastructure	10	10	Service Provider having its own Redundant Fiber Infrastructure
			0	Joint Venture or Other
Total Marks		100	Firm Qualifying Marks = 70	

Ratings for tender evaluation will be as follows:

Sr. No.	Description	Evaluation Weight-age
1.	Technical Proposal	70%
2.	Financial Proposal	30%

Financial bids of firms who score at least 70% on the technical evaluation will be opened before the representatives who wish to attend the tender opening. 30 % weight-age will be given to financial proposals of responding organizations. The formula for financial scoring is that the lowest bidder gets 30 points and the other bidders score 30 multiplied by the ratio of the lowest bid divided by the quoted price.

Example:

Value quoted by lowest bidder = A

Value quoted by second lowest bidder = B

Value quoted by third lowest bidder = C

Financial scoring of the lowest bidder will be = 30

Financial scoring of the second lowest bidder will be = $(A/B) \times 30$

Financial scoring of the third lowest bidder will be = $(A/C) \times 30$

Technical scoring out of 100 = A

Carried Forward & Prorated Technical scoring = $A \times 0.7$

Points obtained in the detailed technical evaluation will be carried forward & prorated. Tender will be awarded to the bidder with maximum accumulative points (Technical Score + Financial Score).

The decision will be binding on all concerned and will in no case be challengeable in any forum.

IF FURTHER INFORMATION REGARDING THIS RFP IS REQUIRED, PLEASE FEEL FREE TO CONTACT THE CONCERNED DOMAIN ADMINISTRATOR:

Mr. Gulzeb Jadoon,
 Manager IT Infrastructure
Gulzeb.Jadoon@bok.com.pk

ii. **Financial Proposal**

Bidder shall describe the financial position of its organization. **Income Statement or Annual Report** should be included in the detailed proposal. The **National Tax Numbers and Sales Tax Registration Numbers** of the company and/or partners should also be indicated (**Photo copies of concerned documents should be provided**).

Sales Tax and Other Government Duties

Bidder must provide the Cost of the Project embedded with All taxes, duties, sales tax and other Government charges are the responsibility of the bidder.

Responsibility for Executing the Contract

The bidder shall be entirely responsible for the successful execution of the contract in all respects and in accordance with the terms and conditions as specified in the RFP/contract including the schedule.

Financial Proposal Format:

Bidder must submit its Financial proposal in accordance with the following format and must mention the Total Quoted Amount for Branches/Aggregation Site in words and figures.

#	Item Description	Bandwidth	Locations	Unit Monthly charges	GST	Total Monthly Cost inclusive of GST
A	Internet Connectivity over Fiber Optic for Video Conferencing	2 Mbps CIR (option 1)	05			
		5 Mbps CIR (Option 2)	05			
Total Amount for Video Connections				Total Amount		
B	Aggregation Site (Primary Data Center Peshawar)	cumulative bandwidth of all BOK branches	-----	FOC	FOC	FOC
C1	Branches Connectivity including Managed Router/Firewall Primary Connectivity over Fiber and Secondary over Wireless	Fiber 1 Mbps CIR (Option 1)				
		Wireless 1 Mbps CIR (Option 1)				
TOTAL (OPTION I) COST						Total Amount
C2	Branches Connectivity including Managed Router/Firewall Primary Connectivity over Fiber and Secondary over Wireless	Fiber 2 Mbps CIR (Option 2)				
		Wireless 2 Mbps CIR (Option 2)				
TOTAL (OPTION II) COST						Total Amount
Total Amount for Tender						Total Amount

Annexure A: List of Branches

Bidder should fill in the following list with mode of connectivity they are offering at each branch and must attach with Technical Proposal.

No.	Branch Name	Branch Address	PRIMARY CONNECTIVITY	SECONDARY CONNECTIVITY
Province Khyber Pakhtunkhwa (99 Branches)				
1	Abbottabad, Jinnah Road	Jinnah Road, Abbottabad		
2	Abbottabad, Mansehra Road	934-A, Mansehra Road, Abbottabad		
3	Bannu Branch	Old GTS Chowk, Gowshala Road Bannu.		
4	Batagram	Khasra No.3149/971, Haji Nazir Plaza, Shahrah-e-Qaraqurum, Batagram		
5	Bathkhela Branch	Near Government High School, Main Bazar, Bathkhela		
6	Charsadda Branch	Main Bazar Charsadda Mardan Road, Charsadda		
7	Chitral Ataliq Bazar	Ataliq Bazar, Chitral.		
8	Chitral Chew Bazar,	Shop No.1-4, Qazafi Market, Chew Bazar, Chitral		
9	D. I. Khan Circular Road	Circular Road, D.I.Khan		
10	D. I. Khan, Tank Adda	Shop No.01-10, Block 13, Tank Adda, Dera Ismail Khan		
11	Dargai Branch	Amin Plaza, Main Bazar, Dargai.		
12	Hangu Branch	Opposite DCO Office, Main Bazar, Kohat Road Hangu		
13	Haripur Branch	Shahrah-e-Hazara, Haripur.		
14	Hattar Branch	Industrial Estate Hattar, Haripur		
15	Havelian, Bank Square	Property # 4242, Bank Square Havelian		
16	Kumber, Lower Dir	City Market, Main Road, Kambur, Lower Dir		
17	Karak Branch	Khasra No. 1327/1364, Mian Muqadess Gul Market, Main Bazar, Karak		
18	Khwaza Khela, Swat	Irfan Plaza, Main Bazaar, Khwaza Khela, Swat		
19	Kohat, Bannu Road	Cantonment Plaza Bannu Road, Kohat		
20	Kohat, Main Bazaar	Shop No.T-147, T-148, Main Bazaar, Kohat		
21	Mansehra, Abbottabad Road	Main Bazar, Opposite GTS Stand Mansehra.		

22	Mansehra, Shahrah-e-Resham	Opposite Grid Station, Near Pakhwal Chowk, Shahra-e-Resham, Mansehra.		
23	Mardan, Khwaja Gunj Bazaar	Property No.26/591-592, 27593-628, Haji Khan Gul Trunk House, Khwaja Gunj Bazaar, Mardan		
24	Mardan, Chamber House	Grund floor, Chamber House, Aiwan-e-Sanat-o-Tijarat Road, Collage Chowk, Mardan.		
25	Mingora, Main Bazar	Shop No. 01, Bank Square, Main Bazar, Mingora, Swat.		
26	Mingora, Saidu Sharif Road	Basement & Ground Floor, Yousaf Plaza, Khasra No.318, Makan Bagh, Saidu Sharif Road, Mingora, Swat.		
27	Nowshera Branch	Saad Plaza, Saddar Road, Nowshera Cantt.		
28	Peshawar, Asamai Gate (LHR)	Tariq Sultan Building, Asamai Gate, Lady Reading Hospital Road Peshawar		
29	Peshawar, Ashraf Road	New Rampura Gate, Ashraf Road, Peshawar.		
30	Peshawar, Civil Secretariat	Civil Secretariat , Peshawar		
31	Peshawar, G. T. Road	Ground floor, Afandi Tower, Bilal Town, G.T. Road, Peshawar		
32	Peshawar, Hayat Abad Chowk	Saif Shopping Mall, Hayatabad Chowk, Jamrud Road, Peshawar		
33	Peshawar, High Court Branch	High Court Branch Peshawar		
34	Peshawar, Kharkhano Market Hayat Abad	Royal Plaza, Hayatabad Kharkhano Market, Jamrud Road, Peshawar		
35	Peshawar, Khyber Bazar	Abbasin Hotel, Khyber Bazar, Peshawar		
36	Peshawar, KTH Branch	Khyber Teaching Hospital (University Road) Peshawar		
37	Peshawar, Main Corporate Branch	Shop No. 1 to 6 (Ground Floor) and Office No. 1 to 3 (First Floor), Olympic Plaza, Qayyum Stadium, Bara Road, Peshawar Cantt.		
38	Peshawar, Saddar Road	Shop No.9,10 & 11, at Super Market, Adjacent State Bank of Pakistan Peshawar, Saddar Road, Peshawar		
39	Peshawar, University Road	Ghaffar Plaza, Adjacent to Sheraz Restaurant, University Road, Peshawar		
40	Peshawar, Warsak Road	Khasra No.6184/2893, Shop No.1, Sabir Business Center, Warsak Road, Peshawar		
41	Serai Naurang Branch	Khasra No 438, Sahibzada Kabir Plaza GT Road , Serai Naurang, Lakki Marwat		
42	Shabqadar	Khasra No.4244/159-162, Opposite Shabqadar Fort Gate, Shabqadar		
43	Swabi Branch	Jamil Khan Market, Mardan Road, Swabi		
44	Swari Branch (Buner)	Nisar Market, Pir Paba Road, Swari, Buner		
45	Tank Branch	Gillani Market, Main Bazar Opposite DHQ Hospital, Tank.		
46	Thall, Main Bazar	Al-Murtaza Market, Bannu Chowk, Main Bazar Thall District Hangu		
47	Timergara Branch	Shaheed Plaza, Alam Zeb Shaheed Chowk, Timergara		

48	Topi Branch	Sher Khan Market, Main Bazar, Tarbela Road, Topi, Distt Swabi.		
49	Upper Dir	Shop No.1 to 6 Shafi Plaza, Saleem Market Main Bazar Upper Dir.		
50	Peshawar, Shami Road	Shop No.6-10, Garrison Park, Shami Road, Peshawar		
51	Saleh Khan (Pubbi)	Khasra No.169&183, Main Bazar, Moza Saleh Khana, Tehsil Pubbi, Nowshera		
52	Peshawar, Chowk Nasir Khan	Al-Rehmat Plaza, Property No. CB/637/2027/755 & CB/637/2028/754/F-1 F-2, Ground Floor, Peepal Mandi, Chowk Nasir Khan, Peshawar.		
53	Peshawar, Dalazak Road	Nawaz Plaza, Taxation No. 4988 to 5008, Ground Floor, Dalazak Road, Peshawar.		
54	Chakdara	Shop No.1 to 10, Zaman Market, Adjacent UBL & NBP, Main Bazar, Chakdara (Lower Dir)		
55	Peshawar, Garhi Qamar Din	Khata Khatoni No.418/ 915 to 937, Khasra No.Qata (41), Ground Floor, Arbab Maket, Garhi Qamar Din, Near Mujaddad CNG station, North side Ring Road, Peshawar.		
56	Jehangira	Ground & 1st Floor, Behram Khan Centre, G.T. Road, Jehangira (Nowshera)		
57	Takht Bhai	Khasra No.785, Shaukat Mansion, Ground & 1st Floor, Opposite Takht Bhai Mega Market, Takht Bhai, Mardan		
58	Pabbi, G.T.Road	Ajun Market, G.T.Road, Pabbi (District Nowshera)		
59	GulBahar Branch, Peshawar.	Plot # 4-A & 4-B, Sameer Square, Anam Sanam Chowk, Gulbahar Road, Hussainabad, Peshawar		
60	Tangi Branch, Charsadda.	Khasra No. 1633, Malak Plaza, Sabqadar Road, Tangi,(District Charsadda)		
61	Barikot Swat	Khasra No. 1333, Iqbal Khan Plaza, Pir Baba Road, Barikot Swat		
62	Shangla	Islamic Banking Branch at Khasra No.1283, 84 & 86, Munir Plaza, Adjacent MCB, Basement & Ground Floor, Besham Road, Alpuri District Shangla.		
63	Wari Dir	Ittehad Plaza, Lower basement and Ground floor,Wari Bazaar, Dir Chitral Road, Upper Dir.		
64	Charsadda Road Branch, Peshawar.	Khasra No. 1615/832, Adjacent Khayali CNG Station, Shero Jhangi, Charsadda Road, Peshawar.		
65	Manki Sharif Branch, Nowshera.	Malak Jammen Market, Soorya Khel, Manki Sharif, Tehsil & District Nowshera.		
66	Torghar	Quarter No.1, District Head Quarter Torghar Judba, District Torghar, KPK		
67	Achini Payan Branch, Peshawar.	Muhammad Arcade, Achini Payan, Ring Road near Hayatabad Peshawar.		
68	D.I.Khan Road Branch, Bannu.	University Plaza, D.I.Khan Road, Bannu.		
69	Matta Branch	Malak Tahir Market, Mouza Main Bazar, Matta, Mingora, Swat.		
70	Sheva Adda Swabi	Office No. 1, Ground Floor, Sardar Khan Malak Plaza, Mardan Swabi Road, Sheva Adda , Swabi.		
71	Umarzai Branch, Charsadda.	Khasra No. 4011/3485 & 4012/3486, Major Saeed Khan Market, Main Bazar, Umarzai.		

72	Sheikh Maltoon, Mardan	Shop No. 25,26,27,28,29 & 31, Commercial Plaza Sector-E, Sheikh Maltoon Town, Mardan.		
73	Kabal, Swat	Khasra No. 2271, Ground Floor, Wahab Market, Kabal, Mingora Road, Swat.		
74	Yar Hussain Branch	Akbar Building, intiqal No. 3422, Main Bazar, Yar Hussain, Swabi.		
75	Munda, Lower Dir	Groud Floor, Habib Jan Market, Adjacent Tehsildar Office Munda, Munda Lower Dir.		
76	Shergarh, Mardan	Groud floor, Asghar Khan Market, Main Bazar, Shergarh, Mardan.		
77	Katlang, Mardan	Inteqal No. 5038, Imam Shah Market, Main Bazar, Tehsil Katlang, District Mardan		
78	Puran, Shangla	Khasra No.227, Aluch Bazar, Tehsil Puran, Distruct Shangla.		
79	Lakki Marwat	Shop No.1, Haji Jan Khan Market, Lakki City, Lakki Marwat.		
80	Mall Road Branch, Peshawar	Office No.1, Ground Floor, Khanis Plaza, The Mall Road, Peshawar Cantt.		
81	Hayatabad Phase-V, Peshawar.	Ground Floor. Plot No. 28, Sector B-1, Phase-V, Hayatabad Peshawar		
82	Nathiagali Branch	Ground Floor, Hotel Ellites, Adjucent Civil Hospital, Nathiagali.		
83	Sherkot, Kohat.	Khasra No. 315, Mujahid & Brothers Market, Sherkot Tehsil & District Kohat.		
84	Chamkani, Peshawar.	Khasra No.156 & 157, Honey Market, Hidayatabad Chamkani, Peshawar.		
85	Sakhakot Branch	Noor Market, Main Malakand Road, Sakhakot, District Malakand.		
86	Tehkal Payan, Peshawar.	Haji Nazar Mohammad Building, Tehkal Payan, University Road, Peshawar.		
87	Sugar Mill Bypass Road, Mardan	Sharif Khan Plaza, New Charsadda Chowk, Railway Patak, Sugar Mill Bypass Road, Mardan		
88	Tordher, Swabi.	Khasra No.1751, Main Swabi Jehangira Road, Matani Changan Tordher, Swabi.		
89	Darosh, Chitral.	Main Darosh Bazaar, Zero Point, Chitral		
90	Sheikh Yousaf Adda, D.I.Khan.	Khasra No.1007/529, Sheikh Yousaf Adda, Opposite Punjab Collage, Bannu Road D.I.Khan.		
91	Rashakai, Nowshera	Main Bazar Rashakai, Nowshera		
92	Charbagh, Swat	Saad Tower, Main Bazar Charbagh, Tehsil & District Swat		
93	Kohat Road, Peshawar	Marjan Hotel, Mauza Kotla Mohsin Khan, Kohat Road, Peshawar		
94	Rustam, Mardan	Main Bazar Rustam, Mardan		

95	Barawal Bandi, Swat	Al-Madina Market Shahi Road, Main Bazar Barawal Bandi, Upper Dir		
96	Kuza Bandai, Swat	Hamas Khan Market, Matta Road, Kuza Bandai, Tehsil Kabal, District, Swat		
97	Lundkhwar, Mardan	Ramora Lundkhwar, Tehsil Takht Bhai, District Mardan		
98	Sardheri, Charsadda	Maroof Khel, Sardheri Bazar, Tehsil & District Charsadda		
99	HMC Branch, Peshawar.	Hayatabad Medical Complex, Phase 4 Hayatabad, Peshawar		
Province Sindh (12 Branches)				
100	Hyderabad Branch	Plot No.41/444,445,446,447,448 & 449, Main Bohri Bazar, Near Blair Hospital, Saddar Cantt., Hyderabad.		
101	Karachi, Bahadurabad	Shop No.4 & Flat No.2, Survery No.SNCC/30, Qazi Court, Karachi Cooperative Housing Society, Bahadarabad, Karachi		
102	Karachi, Clifton Branch	Shop No.7,8 & 9 Plot # G-10, Garnet Centre, Block-8, Main Road, KDA Scheme # 5, Clifton Cantonment, Karachi		
103	Karachi, DHA, Phase-II	Plot No.69-C, 11th Commercial Building, DHA, Phase II, Karachi		
104	Karachi, Metroville	KDA Scheme, Project No.1, Metroville, SITE, Karachi.		
105	Karachi, Shahrah-e-Faisal	Ebrahim Alibhai Tower, Shop No.02, Plot No.03, Block-7/8 Modern Cooperative Housing Society (MCHS), Shahrah-e-Faisal, Karachi		
106	Karachi, Shireen Jinnah Colony	Block-1, Clifton, Shireen Jinnah Colony Karachi		
107	Karachi, SITE	B-78, Allied Plaza Estate Avenue, S.I.T.E , Karachi		
108	Karachi, Sohrab Goth	Shops No.A-7/A, A-7/B, A-8/A, A-8/B, Ground Floor, Block "A" Plot No.1-B-2, Sub Plot No.1-A, A1 Azam Plaza Scheme 33, Sohrab Goth, Super Market, Main Super Highway Karachi		
109	Karachi, Stock Exchange Branch	1 st Floor, Karachi Stock Exchange, Karachi		
110	Sukkur	Property No.D-986, D-987, D-971, Hussaini Road, Sukkur		
111	Karachi, Napier Road	Shop No.07 & Office No.117, Yousuf Trader Centre, Plot No.26, SR-7, Ground & 1st Floor, Napier Road, Karachi		
Province Punjab (36 Branches)				
112	Attock City	Property No.B-V-99, Committee No.E-3, Railway Park Chowk, Attock City		
113	Bahawalpur	Property No.1605/15, Circular Road, Library Chowk, Bahawalpur		
114	Chiniot	Khasra No.12104/9423, Ehsan Plaza, Shahrah-e-Quaid-e-Azam, Chiniot		
115	D.G. Khan	Plot No.5, Dawood Plaza, Railway Road, Dera Ghazi Khan		
116	Faisalabad, Kotwali Road	Opposite M.C. College, Kotwali Road Faisalabad		

117	Faisalabad, Sosaan Road	Plot No.245-C,Ground & 1 st Floor, Madina Town, Sosaan Road, Faisalabad		
118	Gujar Khan	Shop No.6-8, Ward No.5, Near Ali Hospital, Main G.T. Road, Gujar Khan		
119	Gujranwala, G.T. Road	Property No.BXII-7S-157, Bank Square, Main G. T. Road Gujranwala		
120	Gujrat, G. T. Road	Property No.1157/527,Ground Floor, Empire Centre, G.T. Road Gujrat		
121	Jhelum	225/226, Koh-i-Noor Plaza, Old GTS Road, Jhelum Cantt.		
122	Khanewal	Property No.32, Paracha Hospital, Adjacent JS Bank, College Road, Khanewal		
123	Lahore, New Gardan Town.	28-A, Ali Block, New Gardan Town Lahore.		
124	Lahore, DHA	Plot No.178, Block-Y, DHA, Lahore Cantt.		
125	Lahore, Faysal Town	Plot No.811, Block C, Faysal Town, Lahore		
126	Lahore, Johar Town	Block -R-1, M.A. Johar Town, Lahore		
127	Lahore, M.M. Alam Road	Gulberg-III, M.M. Alam Road, Lahore		
128	Lahore, Ravi Road	Property No.82-84, Amarpak Building, Main Ravi Road, Lahore		
129	Lahore, Shah Alam Gate	Shop #E/36, Alamgir Market, Inside Shah Alam Gate, Lahore.		
130	Mian Channu	Property No.17/24, Shadab Market, G.T. Road, Mian Channu, District Khanewal		
131	Multan, Abdali Road	Lower Ground, Khan Centre, Main Market, Abdali Road Multan Cantt.		
132	Multan, Vehari Road	Plot No.12-B & 13-B, Haq Nawaz Plaza, Main Gate Shah Shams Colony, Vehari Road, Multan		
133	Okara, Jinnah Road	Ground Floor & 1st Floor, Iftikhar Children Hospital, M.A. Jinnah Road, Okara		
134	Rahim Yar Khan	Plot No.15, Opposite Town Hall, Model Town, Rahim Yar Khan		
135	Rawalpindi, City Saddar Road	No.A/308- Jinnah Road (City Saddar Road) Rawalpindi		
136	Rawalpindi, Saddar Adam Jee Road	Adam Jee Road, Saddar, Rawalapingdi		
137	Sadiqabad	Shop No.10, Masood Plaza, Bank Road, Sadiqabad		
138	Sahiwal Branch	272/B-2 High Street, Sahiwal.		
139	Sargodha	63/5/2/1 VIP Complex, Niazi Square, Club Road, Sargodha		
140	Sialkot Branch	Industrial Area, Shahabpura, Ugoki Road, Near Masjid Mohajirin, Sialkot		
141	Lahore, Badami Bagh	Plot No.119, Auto Market, Badami Bagh, Lahore		
142	Jhang	Khata No. 710, Yousaf Shah Building, Ground Floor, Kachary Road , Jhang		
143	Daska	Property No.8.9.90, Ground & 1st Floor, Bank Road, Daska, Sialkot		

144	Sheikupura	Khasra No.80, Adjacent Singer Branch, Sargodha Road, Sheikupura		
145	Tarnol	Khasra No.781, Geo Madina Tower, Main G.T. Road, Tarnol		
146	Taxila	Gudwaal Plaza, Khewat No. 599, Khatooni No. 906-913, Ground & 1st Floor, Main Bazaar, Taxila.		
147	Mianwali	Ballo Khel Road, Mianwali City, Punjab		
Province Balochistan (5 Branches)				
148	Chaman Branch	Khasra No.451, Old Mahal 404, Abdali Bazar, Chaman		
149	Quetta, Jinnah Road	Jinnah Road, Quetta.		
150	Quetta, Shahrah-e-Iqbal	Shop No.2-7/35, Khyber Plaza, Shahra-e-Iqbal (Qandhari Bazar) Quetta		
151	Quetta, Sirki Road	Khasra No.1807/16, Kaasi Building, Ground & 1st Floor, Sirki Road, Quetta.		
152	Zhob Branch	Shop No. C84-85, Main bazar, Thana Road Quetta, Zhob.		
Capital Territory Area (4 Branches)				
153	Islamabad, Blue area	Zahoor Plaza, Blue Area, Islamabad.		
154	Islamabad, F-10 Markaz	Plot No.8. F-10 Markaz, Islamabad		
155	Islamabad, PWD Society	Plot No.786-G, Block-C, PWD Society, Islamabad		
156	Bhara Kahu Branch, Islamabad.	Malak Shafait Plaza, Mauza Mahal Kot, Hathial Main Murree Road, Bhara Kahu, Islamabad		
Gilgit Baltistan (1 Branch)				
157	Gilgit, Jutial Cantt.	Shop No.1 to 6, ZS Plaza, Opposite Radio Pakistan, Shahrah-e-Quaid-e-Azam, Jutial Cantt. Gilgit		
FATA (06 Branch)				
158	Jamrud Road Branch	Adjacent Caltex Petrol Pump, Jamrud Bazar, Jamrud (Khyber Agency)		
159	Torkham	Ground Floor, Masoom Building, near PTDC and Tehsildar Office, Peshawar Torkham Road, Torkham.		
160	Parachinar	Shop No. 1 to 5 Ground Floor, Haji Safdar Market, School Road, Parachinar.		
161	Dara Adam Khel Branch	Ground floor, Nawab Shah Plaza Dara Bazaar Mohammad Zarghar Dara Adam Khel.		
162	Khar Bajaur	Abid City Centre, Ground Floor, Lt.Sajjad Khan Shaheed Bypass Road Khar Bazaar, Bajaur Agency		
163	Sadda, Kurram Agency	Bangash Market, Main Bazar Sadda Tehsil Lower Kurram, District Kurram Agency		
Azad Jammu Kashmir (3 Branches)				
164	Kotli (AJ&K)	Commercial Property, Khasra No.579, Bank Road, Kotli		

165	Mirpur Branch (AJ&K)	Plot No.3, Sector B/3, Allama Iqbal Road, Mirpur, Azad Jammu Kashmir		
166	Muzaffar Abad (AJ&K)	Secretariat Road, Muzaffarabad, Azad Jammu & Kashmir		

Annexure B: ROUTERS / FIREWALLS

Detailed required Technical Specifications of Router/Firewall are as follows: -

S.No	Requirement
	The proposed Router/ Firewall should support :
1	At-least 8 x 1G Copper RJ45 Interfaces
2	High Availability in Active/ Active, Active/Passive and Cluster
3	Any port of any type to be used as High Availability monitoring port
4	Firewall throughput of at-least 2.7Gbps
5	IPSEC VPN Throughput of at-least 1.8Gbps
6	Minimum concurrent sessions of 1.2 Millions
7	Minimum New Sessions/Second TCP of 28,000
8	SSL Inspection Throughout of at-least 160 Mbps
9	Application Aware controlling of at-least 600 Mbps
10	Threat Protection Throughput of 180 Mbps
11	Working as a Wireless Controller
12	2-Factor authentication (on-device) for administrator login
13	To be managed from On-Premises Management solution
14	To be managed from Cloud Management Solution without additional cost & license
15	The proposed product should support SSH/TELNET/HTTP/HTTPS for remote management of the device
16	Stateful session maintenance for traffic including VPN traffic in the event of a fail-over to a standby unit.
17	High Availability feature must be supported for either NAT/Route, Transparent or hybrid mode while running both NAT/Route and Transparent configurations simultaneously
18	More than two heartbeat links, any of the interfaces must be configurable as a heartbeat interface.
19	VLAN & PPPoE based interfaces along with Interface based Zoning
20	IPv4 and IPv6
21	Link Load Balancer without any addition of hardware or license
22	Inbuilt 2 factor authentication services without the need of a third-party server and database using tokens (Either Hardware or Software)
23	SSL Encryption, Decryption and Re-Encryption on the same device itself without any additional hardware.
24	RESTFul API
25	Security inspection inside dedicated processor.
26	Integration with Microsoft Active Directory/Radius Server/TACACS+ Server
27	Single-Sign-On through Active Directory Polling Mechanism

28	Single-Sign-On through Single Sign On agent providing a bufferzone between the Firewall and Authentication Database
29	User and device based Security policies
30	Data Leak Prevention & Internal Server Load Balancer without any addition of external hardware
31	Traffic shapping based on Username, IP address, Applications, Source Addresses, Destination addresses, URL Category in Inbound and Outbound Direction
32	Remote logging
33	SYSLOG logging to at-least 3 syslog servers with Log Format in Default Syslog, CSV (Comma Separated Values), CEF (Common Event Format)
34	Dynamic Routing protocol (RIP-V1, RIP-V2, OSPF, BGP, ISIS, RIPng, OSPFv3), Static Routing and Policy Based Routing
35	The proposed product latency should not exceed from 3 μ s
36	The Vendor of proposed product should be in MQ Leader Quadrant of UTM Firewalls
37	Flow mode & Proxy Mode based traffic flow & Inspection
38	ICAP protocol
39	The Vendor of proposed product should be in MQ Leader Quadrant of Enterprise Firewalls
40	Remote access VPN Client with functionality of IPSEC and SSL VPN simultaneously
41	Remote Access Client VPN for IPSEC/SSL VPN should not add any cost or additional license for VPN Connectivity
42	logical isolation of device with at-least 10 Logical devices
43	Not be more the 2-Rack-Unit
44	Hardware accelerated IPSEC (DES, 3DES, AES128, AES192, AES256) encryption/decryption
45	The proposed product should support DH Groups 1,2,5,14,15-21
46	The proposed product should support IPSEC (SHA1, SHA256, SHA384, SHA512) hashing algorithms
47	Of accomodating multiple Proxy-IDs in an IPSEC VPN Site to Site VPN
48	NAT traversal
49	Hub and Spoke Site to Site IPSEC VPN architecture
50	DDNS & Split DNS support
51	The system shall provide IPv6 IPsec feature to support for secure IPv6 traffic in an IPsec VPN.
52	Proxy Based AV Inspection as well as Flow Based AV Inspection
53	Tprotection to communication with Malicious IP/Domain/Botnets
54	Integrated Web Content Filtering solution without external solution, devices or hardware modules.
55	To enable or disable Web Filtering per firewall policy or based on firewall authenticated user groups for both HTTP and HTTPS traffic.
56	NetFlow and Sflow
57	SNMP v1/v2c and SNMP v3
58	Network Time Protocol
59	Explicit Forward Web Proxy

TERMS & CONDITIONS

1. The Procurement shall be conducted in accordance with the Khyber Pakhtunkhwa Procurement Rules 2014 on **Single Stage Two Envelope Procedure**. Bank of Khyber invites two separate sealed envelopes, one for Technical Proposal and One for Financial proposal from Service Provider having legal presence in Pakistan for delivery, deployment, testing, configuration, commissioning, services and support of the required Managed WAN Connectivity for Nationwide Branches along-with Router/Firewall and Connectivity for Video Conference.
2. Bidders are required to submit both sealed proposals to the office of the **Head Procurement Division, The Bank of Khyber** on or before **Monday, 19th March, 2018 at 10:30AM**. Tender Opening Date is **Monday, 19th March, 2018 and Time is 11:00 AM** at The Bank of Khyber, Head Office.
3. Company seal / stamp must be fixed on both Technical Proposal and Financial Proposal.
4. All the firms applied for the Tender must provide documents in line with the Mandatory requirements and should qualify the Technical Evaluation Criteria (70%). **If any firm fails to qualify the Technical Evaluation Criteria, then Financial Proposal of the same will not be opened.**
5. Call Deposit of two percent (2%) of the total bid amount must be attached with financial proposal in separate sealed envelope in favor of Head Procurement Division, The Bank of Khyber.
6. All prices quoted must be inclusive of all Taxes applicable, such as GST, Income Tax, etc.
7. The prices quoted shall remain valid for 120 days, after the date of opening the tender.
8. **In case of failure to complete the assignment as per Project Plan, per day penalty will be imposed which will be determined by the Bank.**
9. Rates should be quoted in words and figures.
10. The Bank of Khyber will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
11. Dollar quoted price will be converted in PKR on current rate of quotation open date.
12. **No negotiations and revised bids will be allowed.**

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