



INVITATION TO BID

For supply, Installation and Commissioning of Next Generation Firewalls and Web Application Firewalls

Sealed bids are invited from well reputed tier 1/tier 2 dealers/suppliers/distributors/partners registered with Sales Tax and Income Tax Department and who are on active tax payer list of FBR having valid certificate from Original Equipment Manufacturers (OEM) with minimum three years of relevant experience in the supply and installation of:

Lot No.	Description of the Hardware	Quantity
Lot A	Next Generation Firewall System (NGFWS)	
	Hardware Based Next Generation Firewalls, with three years Licenses of IPS, IDS, URL filtering, Threat prevention, subscription and support services having minimum 8x10GE SFP + slots and minimum 12x1G ports with 1xHA and 2xAC Power supplies	2
	10G SFP + (Transceivers) Multimode of same Brand	8
	1G GLCT/ SFP (Transceivers) OEM Multimode of same brand	12
	Multi-mode Fiber patch cords LC/LC (Duplex) 5 meter (Branded)	10
	Multi-mode Fiber patch cords LC/LC (Duplex) 3 meter (Branded)	10
	Three years maintenance and support services (24 x 7) and manufacturer warranty	
Lot B	Web Application Firewalls (Hardware Based) High Available (HA)	
	Web Application Firewall with Minimum 2 X 10 SFP+ ports with 8X 1G ports with redundant power supply and management port with Advance 3 years Hardware Warranty, advanced load balancing features including provisioning of Three (3) years maintenance and Advance support services (24 x7) and License for Three (3) years.	2
	10G SFP+ (Transceivers) (Supported and approved by brand manufacturer)	4
	1G SFP (Transceivers) (Supported and approved by brand manufacturer)	10
	Three (3) Years Advance Subscriptions Security updates including all supported security profiles i.e. IP Reputation/IP Intelligence, layer 7 DDOS protection, credential stuffing, Multiple authentication mechanism including SSO, LDAP, SSL Client Certificate, CAPTCHA, Browser Enforcement, Site Publishing etc.	
Lot C	Web Application Firewalls (VM) High Available (HA)	
	Software based Web Application Firewall with advanced load balancing features including provisioning of Three (3) years maintenance and advance support services (24 x 7) and License for Three (3) years	2
	Three (3) Years Advance Bundle Security updates including all supported security profiles i.e. IP Reputation/IP Intelligence, layer 7 DDOS protection, credential stuffing, Multiple authentication mechanism including SSO, LDAP, SSL Client Certificate, CAPTCHA, Browser Enforcement, Site Publishing etc.	

Bidding documents, containing detailed terms and conditions etc, are available for the interested bidders at the office of the undersigned. Price of the bidding documents is Rs.500/- (nonrefundable Pay order in favor of PTA). Bidding documents can also be downloaded from (www.pta.gov.pk) free of cost.

The bids, prepared in accordance with the instructions in the bidding documents, must reach at the office of undersigned on or before 20 April 2022 11:00 AM. Technical Bids only will be opened the same day at 11:30 AM. This advertisement is also available on PPRA website at www.ppra.org.pk.

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PAKISTAN TELECOMMUNICATION AUTHORITY
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[https:// www.pta.gov.pk](https://www.pta.gov.pk)

BIDDING DOCUMENTS

Sealed bids are invited from well reputed tier 1/tier 2 dealers/suppliers/distributors/partners, registered with Sales Tax and Income Tax Departments and who are on Active Tax Payer List of the Federal Board of Revenue (FBR), having valid certificate from Original Equipment Manufacturers (OEM) with minimum three (03) years of relevant experience in respective lot as described below:

Lot.No	Description of the Hardware	Quantity
Lot A	Next Generation Firewall System (NGFWS)	
	Hardware Based Next Generation Firewalls, with three years Licenses of IPS, IDS, URL filtering, Threat prevention, subscription and support services having minimum 8x10GE SFP + slots and minimum 12x1G ports with 1xHA and 2xAC Power supplies	2
	10G SFP + (Transceivers) Multimode of same Brand	8
	1G GLCT/ SFP (Transceivers) OEM Multimode of same brand	12
	Multi-mode Fiber patch cords LC/LC (Duplex) 5 meter (Branded)	10
	Multi-mode Fiber patch cords LC/LC (Duplex) 3 meter (Branded)	10
	Three years maintenance and support services (24 x 7) and manufacturer warranty	
Lot B	Web Application Firewalls (Hardware Based) High Available (HA)	
	Web Application Firewall with Minimum 2 X 10 SFP+ ports with 8X 1G ports with redundant power supply and management port with Advance 3 years Hardware Warranty, advanced load balancing features including provisioning of Three (3) years maintenance and Advance support services (24 x 7) and License for Three (3) years.	2
	10G SFP+ (Transceivers) (Supported and approved by brand manufacturer).	4
	1G SFP (Transceivers) (Supported and approved by brand manufacturer)	10
	Three (3) Years Advance Subscriptions Security updates including all supported security profiles i.e. IP Reputation/IP Intelligence, layer 7 DDOS protection, credential stuffing, Multiple authentication mechanism including SSO, LDAP, SSL Client Certificate, CAPTCHA, Browser Enforcement, Site Publishing etc.	

Web Application Firewalls (VM) High Available (HA)		
Lot C	Software based Web Application Firewall with advanced load balancing features including provisioning of Three (3) years maintenance and advance support services (24 x 7) and License for Three (3) years	2
	Three (3) Years Advance Bundle Security updates including all supported security profiles i.e. IP Reputation/IP Intelligence, layer 7 DDOS protection, credential stuffing, Multiple authentication mechanism including SSO, LDAP, SSL Client Certificate, CAPTCHA, Browser Enforcement, Site Publishing etc.	

Detailed specifications of above-mentioned Lots are provided at **Annex-C** of this document.

Terms and Conditions

1. GENERAL INFORMATION:

- a. The bids, duly completed in all respects and prepared in accordance with the instructions in these bidding documents, will be received on or before **20th April, 2022** up to **11:00 AM**. The submission and evaluation of bids will be carried out under the *“Single Stage Two Envelop Procedure”*.
- b. Only Technical bids will be opened by Technical Evaluation Committee, at PTA HQs on the same day at **11:30 AM**, in presence of bidder’s representative, who may choose to attend.
- c. Bidders may participate for all three (3) Lots or any specific Single Lot as per their area of expertise and shall submit **separate technical & financial proposals** for each interested Lot by clearly specifying the Lot category. The Bid submission against each Lot will be evaluated separately.
- d. A bidder shall be selected after an open, competitive and transparent bidding process in accordance with Public Procurement Regulatory Authority (PPRA) Ordinance, 2002, and Rules, Regulations and Guidelines made thereunder.
- e. Save as otherwise provided, a Single Stage, Two Envelopes procedure as per Rule 36 (b) read with Rule 37 (a) of the Public Procurement Rules, 2004, as amended in 2020 (the “PP Rules, 2004”) shall be opted.
- f. Bid will comprise of single package containing two separate sealed envelopes for each Lot (s). Each envelope shall contain separately the “Financial Proposal” and the “Technical Proposal”

- g. The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion.
- h. Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;
- i. The envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of PTA without being opened.
- j. The technical proposals shall be evaluated as per clause 3 of this document without reference to the price and reject any proposal which does not conform to the specified requirements. Only technically qualified bidders will be informed the date, time and venue for the opening of financial bids. Financial bids along with the submitted bid security of technically dis-qualified bidders will be returned un-opened after the opening of financial bids of technically qualified bidders as per PP Rules, 2004.
- k. The supplied NGFW/WAF/SFP’s should correlate with the required performance and must provide the guaranteed performance as written in this document. In case the product/box under performed as per requirements given in the bidding document during the contract period, the selected bidder will be obligated to change the product/box to achieve required performance on free of charge (FOC) basis. The supplied equipment shall cater for the future expanding PTA network requirements.
- l. Bids should be sent at the address of Mr. Muhammad Nadeem, Assistant Director (ICT), Pakistan Telecommunication Authority (PTA), Headquarters F-5/1, Islamabad.
- m. Bidder shall quote only single option for each lot. Bids with multiple options against a single/same Lot will be rejected without any right of appeal.
- n. PTA shall not entertain incomplete or partial bids.
- o. Proposals shall be submitted in English language as per Rule 6 of the Rules
- p. All prices mentioned in the Financial Proposal shall be in Pak Rupees (PKR).
- q. Each page of the Technical and Financial Proposal shall be signed by an authorized representative of the Bidder. The representative’s authorization shall be confirmed by power of attorney accompanying the proposal.
- r. PTA may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. PTA shall, upon request, communicate to any bidder who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds as per Rule 33 of the Rules. Annex-A Annex-B, Annex-C and Annex-D are integral part of technical and financial proposals, which may be read/filled

carefully, signed and stamped by the bidders. Further, details of the annexures are mentioned below:

- i. Annex-A consists of mandatory requirements for bidder(s).
- ii. Annex-B consists of technical capabilities of bidder(s), which has total 100 marks, whereas minimum qualifying marks are 70%.
- iii. Annex-C consists of technical evaluation of each lot and bidder(s) may quote higher specs, however, quoting lower specs shall disqualify the bidder.
- iv. Annex-D, comprises of financial bid format against each lot, to be followed by all bidders, the bidder should quote its rates clearly, in the financial proposal in both figures and words without any ambiguity. Financial bid should be quoted on the given financial bid forms/format as per Annex-D, otherwise bid may be rejected.
- v. The bidder must be a current/active dealers/suppliers/distributors/partners of the principal manufacturer.
- vi. **Technical and Financial evaluation of each lot shall be evaluated separately, and are independent of each other.**
- vii. Three (3) Years maintenance and support (24x7) services including license renewals and manufacturer warranty against the participated Lot(s). SLA/Agreement may be renewed/extendable with mutual consent on agreed terms & conditions as per applicable PPRA Rules.
- viii. Draft agreement (Annex-F) is also part of the Bid documents.

2. **BIDDER's INFORMATION**

In case of Company

1. Incorporation certificate from Security and Exchange Commission of Pakistan (SECP).

2. Valid NTN and STN Certificates

In case of Firm

1. Form-C issued by registrar of Firms

2. Valid NTN and STN Certificates

- a. Address _____
- b. Telephone No _____ Fax No. _____
- c. GST Reg. No _____
- d. National Tax No _____

3. EVALUATION CRITERIA

- a. The bidder should quote its rates (in PKR) clearly in the Financial Proposal in both figures and words.
- b. Technical bids shall be opened and evaluated for each lot by technical evaluation committee in view of Annex-A, Annex-B and Annex-C. Bidders, meeting the mandatory requirements as per Annex-A, obtaining at least 70% in Annex-B and meeting the technical specifications as per Annex-C, shall be eligible for the participation in financial bid opening.
- c. Financial bids of technically qualified bidders (bidders compliant of Annex-A, Annex-B and Annex-C) shall be opened and evaluated by procurement committee of PTA i.e. PC-I.
- d. PTA reserves the right for the selection of most advantageous bid in each lot, which has met the mandatory requirements/ eligibility criteria, secured minimum 70% marks in technical evaluation, found substantially responsive to the terms and conditions as set out in these bidding documents and evaluated as the highest ranked bid on the basis of cost (i.e. lowest in price) thereof, as specified in these bidding documents..
- e. If two or more technically qualified bidders quote equal lowest price in financial proposals, then the work will be awarded to the one having higher technical marks, in technical evaluation.

4. Bid Security

- a. Bid security will be equal to **PKR 0.5 million for each** Lot and will be in the shape of pay order / demand draft in favor of Pakistan Telecommunication Authority, Headquarters, Sector F-5/1, Islamabad. Bid security **shall be attached with the Technical Proposal otherwise proposal** will not be considered for evaluation.
- b. Bid security will be forfeited in favor of PTA if successful bidder(s) refuse to sign the contract or fails/unable to deliver the Software/Hardware with in the stipulated time frame. Bid security of unsuccessful bidders will be returned after opening of financial bids.
- c. In case of cancelation of Supply Order due to default of the supplier, the Bid security shall be forfeited in favor of PTA.

- d. **Performance Guarantee (P.G)** equal to 10% of total contract Value will be submitted within seven (07) days after issuance of supply order and prior to signing of the contract. The delivery timeline will be effective from the date of signing of the contract. Performance Guarantee will be kept against warranty and support and will only be released after successful completion of warranty period and on issuance of satisfactory performance certificate from two nominated ICT officers one of which should be the responsible Officer and the other should be officer in charge. The bid security of the successful bidder will be adjusted against the amount of performance guarantee.
- e. Performance Guarantee will be forfeited in favor of PTA if the nominated ICT officers reported hardware/software or any type of warranty/support issues related to Equipment/Software/Support and the same is not resolved in a timely manner as provided at Annex-B(1).
- f. Bid Security of the successful bidder will be adjusted against the performance guarantee. Remaining amount of the P.G shall be submitted in shape of demand draft/pay order in favor of Pakistan Telecommunication Authority, Headquarters, sector F-5/1, Islamabad.

5. PRICES

- a. **The bidder should quote its rates clearly in Pak Rupees in the Financial Proposal in both figures and words as per format attached at Annex-D I-III.**
- b. The rates quoted shall remain valid for 90 days from the date of opening of Technical Bids.
- c. No currency exchange rate will be applicable and bids with a condition of currency exchange rate applicability will be rejected without any right of appeal.
- d. Bid(s) shall be inclusive of all applicable taxes i.e. GST etc.
- e. PTA will bear no transportation/carriage charges.

6. PAYMENT PROCEDURE

- a. No advance payment shall be made against the supply of software and Hardware mentioned in this bidding document.
- b. Payment is subject to successful installation, configuration, testing and commissioning of the Solution, provision of relevant documentation i.e (Low Level Design) LLD/ (High level Design) HLD of Networks and complete solutions, issuance of satisfactory performance certificate from two ICT officers one of which should be the responsible Officer and other should be Officer in-charge and provision of invoice/bill, after delivery

of the Hardware /software at PTA Headquarters and physical inspection verification certificate issued by PC-I.

- c. Payment shall be subject to withholding of applicable taxes as per government rules and penalty (if any) as provided in these bidding documents.
- d. Payment will be linked with active taxpayer status of the bidder and no payment will be made until the bidder appears on ATL (Active Taxpayer List) of FBR (Federal Board of Revenue) as required under PPRA Tax Compliance Regulations 2015.
- e. Payment will be released after verification of Hardware/Software, its warranty details from the principle manufacturer via official website, email or letter etc., if deemed necessary.

7. HARDWARE/SOFTWARE

- a. The supply of software / hardware should be arranged through legal channels by clearing all duties/taxes (if any) levied by the Govt.

8. DELIVERY/COMPLETION PERIOD

- a. All components of the Software/Hardware shall be delivered within (16) weeks' time after signing of contract.
- b. Configuration, installation and implementation will be the sole responsibility of the Contractor, however nominated ICT Officers will be available during office hours to make the process rational.
- c. Completion time (i.e Configuration, installation and implementation) of the assignment shall be four (08) weeks after delivery at H/Qs F-5/1, Islamabad with provision of support mentioned in **section 10** of bidding document.

9. DEALER/SUPPLIER/PARTNER

Bidder shall be an active dealer/supplier/distributor/partner of their respective Software/ Hardware manufacturer.

10. WARRANTY/SUPPORT/TRAINING

- a. For Supply and Installation of Firewalls, and all other components: Successful bidder will be responsible for three years' warranty and onsite support for three years (24X7-Support).

- b. Successful bidders of Lots A, B and C will be responsible for Trainings of Four nominated ICT officers Free of Charge from authorized training center in-consultation with PTA. The successful bidder shall provide the necessary trainings prior to product delivery and will give the participants complete overview of the solution, help them become familiar with its capabilities, and allow them to practice using the solution with day to day operations.

11. PENALTY

- a) If the contractor fails to deliver within due time mentioned at Sr.8(a), then a penalty @ 01% of the total contract value will be charged per week up to a maximum of ten (10) weeks (Days more than four and less than six will be considered as one week). Thereafter, contract shall stand cancelled and Performance Guarantee shall be forfeited.
- b) If the Contractor fails to install/configure/test provided hardware/software within due time mentioned in clause 8(c) of this document, then a penalty @ 01% of the contract value will be charged per week up to a maximum of six (06) weeks (Days more than four and less than six will be considered as one week). Thereafter, performance guarantee shall be forfeited in favor of PTA, and the contract shall be terminated.
- c) If the Contractor fails to provide warranty / support as per certificate provided as per Annex-B (clause 2) of the bidding document, then a penalty @ 01% of the contract value will be charged per week upto maximum of six (06) weeks (Days more than 04 and less than 06 will be considered as one week) thereafter Performance Guarantee may be forfeited in favor of PTA, supply/contract may be rejected/canceled together with initiation of blacklisting process as per PP rules, 2004.
- d) In case of non-satisfactory performance by the Contractor during the warranty period, PTA reserves the right to forfeit the performance guarantee in favor of PTA.
- e) If the contractor fails to install, configure, deploy and test the system or unable to provide (i) Warranty (ii) Support and any other technical requirement as per this document then the penalty of 01% of performance guarantee will be charged per week.
- f) The penalty amount will be adjusted at the time of final payment or deducted from Bid Security/Performance Guarantee whichever applicable.

12. DISQUALIFICATIONS

Proposals will be liable to be rejected if any deviation is found from the instructions as laid down in the bid document i.e.

- a. Technical Bid is submitted without the required Bid security.
- b. Bids are received after specified date and time.
- c. Specification and other requirements are not properly adhered to or different from those given in the bidding documents.
- d. GST and NTN certificates are not attached and bidder is not in Active Payer List of FBR for both Income Tax and Sales Tax.
- e. Service center of the quoted brand is not in Islamabad/Rawalpindi.
- f. Bidder does not have "Valid" certificate from manufacturer.
- g. Bidder quoted multiple options, referring **section 1** of bidding document.
- h. Non provisioning of affidavit on **Non-Judicial Stamp Paper** to the effect that the Company/firm has not been black listed by any government/semi government/autonomous body and company have not any linkage with India and Israel.
- i. Warranty/Replacement certificate both on non-Judicial Stamp Paper and Contractor letter head for three years is not provided.
- j. Non-Provision of undertaking on vendor letter head that provided hardware will not be end of life for at least five years after supply of the equipment

13. RIGHTS RESERVED

Pakistan Telecommunication Authority Islamabad reserves the rights to cancel the bid, accept or reject any bid as per PPRA rules 2004.

CHECKLIST

- | | |
|---|----------|
| a. Bid security in shape of bank draft/pay order.
(cheques are not acceptable) | (Yes/No) |
| b. Relevant documents are attached as per Annexures | (Yes/No) |
| c. List of such projects handled with copies of supply order. | (Yes/No) |
| d. Affidavit on non-judicial stamp paper for not been black listed. | (Yes/No) |
| e. Affidavit on non-Judicial stamp paper of no linkage with India & Israil | (Yes/No) |
| f. Specification and other requirements are met. | (Yes/No) |
| g. Service Centre of the quoted brand is in Islamabad/Rawalpindi | (Yes/No) |

General Evaluation Criteria

Annex-A

Part A) Mandatory Requirements *	
1	Company/Firm/Bidder has to produce Sales Tax and Income Tax Registration.
2	Minimum three years of relevant experience (will be ascertained from the dates of executed agreements, supply orders)
3	Sales and Service Center of the vendor/contractor/Bidder must be in Islamabad / Rawalpindi.
4	Vendor/Contractor status should be "Active" in Tax Payers List of FBR for both Income Tax and Sales Tax
5	Affidavit on Non-Judicial Stamp Paper to the effect that the firm has not been black listed by any government/semi government/autonomous body or company and the company have no linkage with India and Israel.
6.	Non-quoting International Branded items for any of the above hardware item will lead to disqualification (Documentary proof to be provided).
7.	Company/Firm/Bidder has to produce valid Authorization Letter and partner certificate of the principal/manufacturer for Pakistan
8.	Minimum three relevant supply orders along with completion certificates and delivery challan in applied Lot as documentary evidence should be provided.
9.	The bidder will submit an undertaking on company letter head that provided hardware will not be end of life for at least five (05) years after supply of the equipment.
10	Submission of Bid Security of Rs. 0.5 million for each lot applied with Technical Bid.

Bidders not fulfilling the above-mentioned Mandatory requirements shall be disqualified

Part B) General Evaluation*				
Sr. #	Attributes	Max. Score	Points Earned	Criteria
1	Spare Parts Availability	15		Firm/Company/Bidder has Spare Parts of the quoted model Depot/facility at Islamabad / Rawalpindi during the warranty period (Documentary proof to be provided).
2	Hardware Replacement time for faulty parts under warranty equipment/parts (Certificate has to be produced) (Clause 11(c) referred)	20	20	Replacement on the same day
			10	Next Business Day (NBD)
			0	In case vendor is not providing certificate Next Day Replacement
3	Total strength of relevant Technical Staff at Rawalpindi / Islamabad (List shall be attached with name, designation, qualification, certifications and related experience).	10	10	Firm/Company/Bidder has ten (10) or more relevant technical staff in Islamabad / Rawalpindi.
			5	Firm/Company/Bidder has more than seven (7) or more up to nine (9) relevant technical staff in Islamabad / Rawalpindi
			2	Firm/Company/Bidder has five (5) or more up-to six (6) relevant technical staff in Islamabad / Rawalpindi
4	Firm Experience (minimum three Years' relevant experience required) in Pakistan.	15		(5) Points will be given for each year of experience beyond 3 years of mandatory requirement. Experience to be assessed from the date of copies of oldest completion certificate/ supply order/ agreement etc.
5	Projects Completed of similar nature in the participated Lot (documentary proof be provided i.e. Supply Orders alongwith work completion certificates etc.)	15		Three (03) points will be awarded for each project on provision of supply order & work completion certificate. Max Marks 15.
6	Demo/Presentation for proof of concept Complete Solution presentation.	25	25	Presentation shall be arranged for proof of concept of the all features including but not limited to scalability, modularity, compatibility with other brands, reliability, solution deployment and migration planning etc.
Sub Total		100		
<p>i. <i>Minimum qualifying marks are 70% in above table whereas Annex "C" shall be compulsory.</i></p> <p>ii. All supporting Documents to claim marks be attached for all relevant pages of Annex-B.</p> <p>iii. Technical proposal not accompanied with Bid security will be rejected without</p>				

any right of appeal.

TECHNICAL EVALUATION

(To be included in Technical Proposal)

Annex-C(I)**Detailed Specifications of Next Generation Firewall (Qty. =2)**

<u>SPECIFICATIONS OF NEXT GENERATION FIREWALL</u>		
<u>System Performance and scaling requirements</u>		Compliance
<u>Performance:</u>		
1	Next Generation Firewall (NGF) Throughput: 10Gbps or above	
2	IPS Throughput: 8Gbps or above	
3	Threat protection Throughput: 6Gbps or above	
4	Concurrent connections: 8 M.	
5	New Connections per second: 200K.	
6	IPsec Tunnels 5,000, VPN tunnel support both route base and policy base tunnel. All advance type of VPN must be supported.	
<u>Interfaces Minimum</u>		
7	12x10GE SFP +, 10X1G RJ45/SFP.	
8	1x GE RJ45 MGMT/	
9	1x USB Ports	
10	Redundant Power supply.	
<u>Virtualization Support</u>		
11	Container-based virtualization technology. Firewall can be virtualized into multiple logical firewalls (2 and above), which have the same features as the physical firewall. Each virtual firewall can have its own security policy and can be managed independently	
<u>Features</u>		
12	High Availability: Active-Active, Active-Passive. Clustering	
13	New Sessions/Second (TCP): 200K	
14	Logging and Reporting, Customizable dashboard	
15	Interfaces: VLAN tagging (Sub-interfaces), redundant (Active-Passive ports group), link aggregation (Active-Active ports group)	
<u>High Availability</u>		
16	Active-active and Active-passive, chassis clustering	
17	Power supply: Dual/redundant	
18	Dual Stack IPv4 & IPv6, should support all routing protocols	
19	Policy-based forwarding based on zone, source or destination address, source or destination port, application and users/groups, with all type of Network address translations (NAT)	
20	Bandwidth shaping	
21	Identification of applications across all ports	
22	Firewall should have a real-time interactive Monitoring dashboard to highlight high risky applications, suspicious app-content and users.	

23	SSL decryption/ re-encryption	
24	URL category filtering should provide their own categories. Support for custom category should also be made available, allow and block lists, Customizable block page and Database located locally on the device.	
25	Multi-link Load-balancing	
26	IPS for incoming and outgoing threats and Built-in Signature and Anomaly based IPS engine	
27	Application Control and threat protection, advance threat protection and advance threat detection	
28	Layer 7 application level content processing	
29	Anti-spyware / anti malware, Per-category scanning options, Malware site blocking-based botnet signatures	
30	Data filtering: identification of file by file types or by signature.	
31	Anti-malware/antivirus, file blocking DNS security	
32	Populate all logs with user identity (traffic, IPS, URL, data, etc.)	
33	SNMPv3, SNMP MIBs shall be configured on PRTG and OpenVMS (SNMP MIBs for integration with 3rd Party NMS)	
Basic WAF features:		
34	Web application Firewalling features: like Behavioral attack detection, multilayer threat scanning, Injection attacks Broken Authentication & Session Management number of increased WAF parameters will be plus point.	
35	Modern Malware prevention like unknown malware and zero-day exploits, automated signature generation for discovered malware and support files exchanged over Web, Email, and file sharing traffic. It should Support all type of applications not only web and email.	
36	RADIUS authentication, support NAC standard NAC integration.	
37	Management Interface for out-of-band management network	
38	SSHv2	
39	Cloud or on-premises Sandboxing solution will be plus point/ desired	
40	SSD Drive shall be an added advantage.	
Subscription:		
41	<ul style="list-style-type: none"> • Subscription with support 3 years: Application Visibility, Intrusion Prevention System, URL Filtering, Threat Protection File Blocking and Filtering. • All services, interfaces, features should remain active and there should be no feature locking on firewall. • Operations should not be affected after subscription expiry. 	

Any inferior Specifications will be rejected

Multiple options are not allowed; vendor should Quote only one option. Quoting multiple option will lead to disqualification.

Higher Specifications are allowed however, quoting lower specifications will lead to disqualification.

Authorized Signature of bidder with seal & stamp

TECHNICAL EVALUATION

Annex-C(II)

(To be included in Technical Proposal)

Detailed Specifications of Web Application Firewall (Hardware Based) High Available (HA)

(Qty. =2)

(To be included in Technical Proposal)

Detailed Specifications of Hardware Based Web Application Firewall		
S.No.	Requirements	
1.	Throughput must be greater than 2Gbps,internal storage 2Tb minimum	
2.	L4-L7 Load balancing	
3.	Reverse Proxy	
4	3 rd party integration with Virtual patching	
5.	Inline/true/offline Transparent mode	
6.	True Transparent Proxy	
7.	Offline Sniffing	
8.	Layer 7 server load balancing	
9.	URL Rewriting and redirection	
10	Seamless PKI integration	
11.	WebSocket protection and signature enforcement	
12.	Content Routing	
13.	HTTPS/SSL Offloading, HTTP Compression, Caching	
14.	AI-based Machine Learning, Automatic profiling (white list), Web server and, application signatures (black list) IP address reputation, IP address Geolocation	
15.	Native support for HTTP/2 ,OpenAPI 3.0 verification .	
16	Man in the Browser (MiTB) protection, Centralized logging and reporting, User/device tracking	
17.	Real-time dashboards ,OWASP Top 10 attack categorization Geo IP Analytics	
18.	SNMP, Syslog and Email Logging/Monitoring, Malware detection for uploaded file.	
19.	Brute force protection, Cookie signing and encryption, Threat scoring and weighting Syntax-based SQLi detection. Web anti defacement	
20.	HTTP Header Security	
21	Custom error message and error code handling	

	Operating system intrusion signatures	
22.	Known threat and zero-day attack protection, L4 Stateful Network Firewall, DoS prevention ,Advanced correlation protection	
23.	Data Leak prevention (DLP) web security services	
24.	Web Defacement Protection IPv6 Ready, HTTP/2 to HTTP 1.1 translation	
25.	Hardware Security module (HSM) Integration	
26.	Attachment scanning for ActiveSync/MAPI applications, OWA, and FTP	
27.	High Availability with Config-sync for syncing across multiple active appliances	
28.	Auto setup and default configuration settings for simplified deployment	
29.	Setup Wizards for common applications and databases Preconfigured for common Microsoft applications; Exchange, SharePoint etc.	

Any inferior Specifications will be rejected

Multiple options are not allowed; vendor should Quote only one option. Quoting multiple option will lead to disqualification.

Higher Specifications are allowed however, quoting lower specifications will lead to disqualification.

Authorized Signature of bidder with seal & stamp

TECHNICAL EVALUATION

Annex-C(III)

(To be included in Technical Proposal)

**Detailed Specifications of Web Application Firewall (Software based) High Available (HA)
(Qty. =2)**

(To be included in Technical Proposal)

Detailed Specifications of Software Based Web Application Firewall (WAF)		
S.No.	Requirements	
1.	Throughput must be greater than 3Gbps	
2.	L4-L7 Load balancing	
3.	Reverse Proxy	
4	3 rd party integration with Virtual patching	
5.	Solution must be VM based and must be supported with NSX solution	
6.	Inline/true/offline Transparent mode	
7.	Offline Sniffing	
8.	Layer 7 server load balancing	
9.	URL Rewriting	
10	Seamless PKI integration	
11.	WebSocket protection and signature enforcement	
12.	Content Routing	
13.	HTTPS/SSL Offloading ,HTTP Compression ,Caching	
14.	AI-based Machine Learning, Automatic profiling (white list), Web server and, application signatures (black list) IP address reputation, IP address Geolocation	
15.	Native support for HTTP/2 ,OpenAPI 3.0 verification .	
16	Man in the Browser (MitB) protection, Centralized logging and reporting, User/device tracking	
17.	Real-time dashboards, OWASP Top 10 attack categorization Geo IP Analytics	
18.	SNMP, Syslog and Email Logging/Monitoring, Malware detection ,Virtual patching Protocol validation	
19.	Brute force protection, Cookie signing and encryption, Threat scoring and weighting Syntax-based SQLi detection.	
20.	HTTP Header Security	
21	Custom error message and error code handling, Operating system intrusion signatures	
22.	Known threat and zero-day attack protection ,L4 Stateful Network Firewall ,DoS prevention ,Advanced correlation protection	
23.	DLP (Data Leak prevention)	
24.	Web Defacement Protection IPv6 Ready, HTTP/2 to HTTP 1.1 translation	

25.	HSM Integration	
26.	Attachment scanning for ActiveSync/MAPI applications, OWA, and FTP	
27.	High Availability with Config-sync for syncing across multiple active appliances	
28.	Auto setup and default configuration settings for simplified deployment	
29.	Setup Wizards for common applications and databases Preconfigured for common Microsoft applications; Exchange, SharePoint etc.	

Any inferior Specifications will be rejected

Multiple options are not allowed; vendor should Quote only one option. Quoting multiple option will lead to disqualification.

Higher Specifications are allowed however, quoting lower specifications will lead to disqualification.

Authorized Signature of bidder with seal & stamp

Financial Proposal (Bid Format)**Lot A: Next Generation Firewall System (NGFWS) (with 3 years' warranty)**

Date _____

Company Name _____

Required Specification	Quoted Specification (With Brand Name)	Unit Price Inclusive of Applicable Taxes	Qty	Total Price Inclusive of Applicable Taxes
Next Generation Firewall System with Dual redundant power supply with Three years Security Software subscriptions including: Application Visibility, Intrusion Prevention System, URL Filtering, Threat Protection File Blocking and Filtering. All services, interfaces, features should remain active and there should be no feature locking on firewall. Operations should not be affected after subscription expiry. Three-year warranty and Support/SL			2	
10G SFP + (Transceivers) Multimode (same Brand)			8	
1G SFP/GLCT (Transceivers) OEM Multimode (same Brand)			12	
Multi-mode Fiber patch cords LC/LC (Duplex) 5 meter or above. (Branded).			10	
Multi-mode Fiber patch cords LC/LC (Duplex) 3 meter or above. (Branded).			10	
GRAND TOTAL				

Amount in words: (Rupees.....)

Any inferior specifications will be rejectedAuthorized Signature of bidder with seal stamp

Financial Proposal

Annex-D(II)

Financial Proposal (Bid Format)

Lot B: Hardware Based Web Application Firewall (with 3 years' warranty)

Date _____

Company Name _____

Required Specification	Quoted Specification (With Brand Name)	Unit Price Inclusive of Applicable Taxes	Qty	Total Price Inclusive of Applicable Taxes
<u>Software (HA)</u>				
Web Application Firewall (Hardware Based), High Available (HA) with advance load balancing features (3 years advance support 24 x 7) and with 3 years security updates (Advance Security License). 3 Years Advance Bundle Security updates including all supported security profiles i.e. IP Reputation/IP Intelligence, layer 7 DDOS protection, credential stuffing, Hardware, Multiple authentication mechanism including SSO, LDAP, SSL Client Certificate, CAPTCHA, Browser Enforcement, Site Publishing etc			2	
SFTP+ Module of same brand			4	
SFP 1G			10	
GRAND TOTAL				

Amount in words: (Rupees.....)

Any inferior specifications will be rejected

Authorized Signature of bidder with seal & stamp

Financial Proposal

Annex-D(III)

Financial Proposal (Bid Format)

Lot C: Software Based Web Application Firewall (with 3 years' warranty)

Date _____

Company Name _____

Required Specification	Quoted Specification (With Brand Name)	Unit Price Inclusive of Applicable Taxes	Qty	Total Price Inclusive of Applicable Taxes
<u>Software (HA)</u>				
Web Application Firewall (VM), High Available (HA) with advanced load balancing features (3 years advance support 24 x 7) and with 3 years security updates (Advance Security License). 3 Years Advance Bundle Security updates including all supported security profiles i.e. IP Reputation/IP Intelligence, layer 7 DDOS protection, credential stuffing, Hardware, Multiple authentication mechanism including SSO, LDAP, SSL Client Certificate, CAPTCHA, Browser Enforcement, Site Publishing etc			2	
GRAND TOTAL				

Amount in words: (Rupees.....)

Any inferior specifications will be rejected

Authorized Signature of bidder with seal & stamp

NON-DISCLOSURE AGREEMENT

THIS NON-DISCLOSURE AGREEMENT (“NDA”) is made and entered into at **Islamabad, Pakistan** on the __ day of -----2022

BY AND BETWEEN

Pakistan Telecommunication Authority, a statutory regulatory authority established under Pakistan Telecommunication (Re-Organization) Act, 1996, having its Head Quarter at F-5/1, Islamabad through _____ (hereinafter called as the “**CLIENT**” which expression shall where the context admits, include its administrator and assigns) of the One Part:

AND

(insert name of Contractor/Company) a Company/Firmincorporated under the laws of having its registered office at-----through its authorized representative Mr..... CNIC (herein after called as “**Contractor**”) which expression shall where the context so allows include his/its successors-in-interest, executors, administrators, heirs and permitted assigns) of the **Other Part**;

(The Party of the One Part and Party of the Other Part shall hereinafter be collectively referred to as ‘Parties’ and individually as ‘Party’ as the context of this NDA requires).

WHEREAS

1. The parties have entered into Agreement dated, (the “Agreement”) whereby, the Client may have to disclose certain nonpublic and proprietary information in result of execution and subsequent operation of the Agreement to the Contractor,
2. The Parties are desirous to set the terms and conditions hereunder and sign this NDA.

NOW, THEREFORE THIS NDA WITNESSETH, for good and valuable consideration, it is hereby agreed between the parties as under:

1. **Definition of Confidentiality.** In addition to the **Confidentiality clause** used in the Agreement, "Confidential Information" refers to any information which has commercial value and is either (i) technical information, including patent, copyright, trade secret and other proprietary information, techniques, sketches, drawings, models, inventions, know-how, processes, apparatus, equipment, algorithms, software programs, software source documents, and formulae related to the current, future and proposed products and functions of the Client, or (ii) non-technical information relating to Client's functions, responsibilities, operations including, without limitation, plans and strategies, finances, financial and accounting data and information, suppliers, stakeholders, purchasing data, strategical plans and any other information which is proprietary and confidential to Client.
2. **Nondisclosure and Non-use Obligations.** Subject to confidentiality clause under the Agreement, the Contractor will maintain in confidence and will not disclose, disseminate or use any Confidential Information belonging to Client, whether or not in written form. Contractor agrees that Contractor shall treat all Confidential Information of Client with at least the same degree of care as Contractor accords its own Confidential Information. Contractor further represents that Contractor exercises at least reasonable care to protect its

own Confidential Information. the Contractor agrees that Contractor shall disclose Confidential Information only to those of its employees who need to know such information and certifies that such employees have previously signed a copy of this NDA.

3. **Survival.** This NDA shall govern all communications between the Parties. Contractor understands that its obligations under Paragraph 2 ("Nondisclosure and Non-use Obligations") shall survive for two years after the termination or expiry of the Agreement. Upon termination of any relationship between the Parties, Contractor will promptly deliver to Client, without retaining any copies, all documents and other materials furnished to Contractor by Client.

4. **Governing Law.** This NDA shall be governed in all respects in accordance with the laws of Pakistan.

5. **Injunctive Relief.** A breach of any of the promises or agreements contained herein will result in irreparable and continuing damage to Client for which there will be no adequate remedy at law, and Client shall be entitled to injunctive relief and/or a decree for specific performance and such other relief as may be proper (including monetary damages if appropriate).

6. **Removal of difficulty or conflict of clauses.** In case of any difficulty ,which may arise as result of conflict or discrepancy or misinterpretation of clauses of NDA or Agreement or any annexures thereto, the Client, on its sole and absolute discretion remove such conflict or discrepancy or misinterpretation in a manner that may not prejudice the rights of the Client.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the dates written below.

For and on Behalf of Client	For and on behalf of Contractor
Signed by_____	Signed by_____
Seal-----	Seal_____
Witness_____	Witness_____

Draft Agreement:

AGREEMENT

(To be executed on Rs.100/- Judicial paper)

THIS Supply & Service Agreement (the "Agreement") is made on this day _____ 2021;

By and Between

Pakistan Telecommunication Authority, a statutory body established under Pakistan Telecommunication (Re-organization) Act, 1996, having its principle office at PTA H/Q, F-5/1, Islamabad (hereinafter referred to as "**Client**" which expression shall where the context admits include its administrators and assigns) of the One Part

And

M/s _____

through Mr.....

bearing CNIC.....

having place of business at.....

(hereinafter referred to as "**the Contractor**," which expression shall where the context so allows include his/its successors-in-interest, executors, administrators, heirs and permitted assigns) of the **Other Part**

(If when and where applicable the Party of the One Part and Party of Other Part shall hereinafter be collectively referred to as 'Parties' and individually as 'Party' as the context of this Agreement requires).

WHEREAS;

- A. Client is desirous of procuring & installation of **Security equipment's** for its HQs Building at F-5/1, Islamabad and have them **delivered/supplied and installed and subsequently maintained** by the Contractor in accordance with the terms of this Agreement;
- B. The Contractor is a _____ (*details of incorporation*) being engaged in the business of supplying electrical, electronic equipment including but not limited to integrated security technologies, and has agreed to **supply, deliver, install/configure and thereafter provide maintenance services (hereinafter referred as Services)** of Next Generation Firewalls and Web Application Firewalls at Client HQs Building on the terms and subject to the conditions as set forth hereunder.
- C. The Contractor represent that;

- i. It has the relevant expertise and holds valid and subsisting licenses/permissions, authorizations/approvals required from the Government of Pakistan and;
- ii It has the requisite expertise and resources to provide top quality of requisite Services of Next Generation Firewalls and Web Application Firewalls as mentioned in Annex-C (of applied Lot.) of bidding document Bill of Quantity (“BoQ”) to the Client in accordance with highest industry standards and satisfaction of the Client. The Contractor undertakes that the Services shall be provided only through the staff/labour/workforce that has the requisite expertise and experience in this regard.

D. Upon the basis of the representations and warranties of the Contractor contained herein, the Client wishes to appoint the Contractor to Supply and provide the Services *at HQ Building premises under this Agreement*;

NOW THEREFORE, for the consideration provided herein the representation and warranties, covenants, conditions and promises contained herein below and intending to be legally bound, the Client and Contractor hereby agree as follows:

1. Scope of Agreement

Subject to the terms and conditions of this Agreement the Contractor agrees to provide Services *as per requirements prescribed under **Bidding Documents and its attached Annexure-A, B, C, D (of the applied Lot)***.

2. Agreement Documents

The following documents shall be deemed to form, and be read and construed as, part of this Agreement:

- a) Invitation to bid
- b) Bidding documents along with its Annexures
- c) Annex-C (of the applied Lot.) of Bidding Document
- d) Special Stipulations (if any).
- e) Addenda and Corrigenda, if any, issue by the Clients and duly accepted by the Contractor at the signing of the Contract.
- f) Bid security/ Performance Guarantee
- g) Form of Agreement/ Contract Agreement
- h) Clients order to commence the work.
- i) Limit of Bid security.
- j) Any Correspondence by the Clients/Contractor mutually accepted by the Client and the Contractor.

3. Term

- 3.1 Upon signing of this Agreement, the Contractor shall be obligated to deliver the software/hardware within sixteen (16) weeks. After the delivery of the equipment, the required deployment shall be completed within 8 weeks.
- 3.2 However, in case of any unavoidable/unforeseen delay (i.e. Force Majeure) incurred either by the Contractor or the Client, necessary timeline extension would be agreed mutually between both parties, however, it has to be communicated to each other during the occurrence of Force Majeure as per clause 11.

4. Termination

- 4.1 Notwithstanding anything herein contained the Client shall be exclusively entitled to terminate this Agreement
 - a. Without advance notice, in case the Contractor is in breach of any of the terms of this Agreement, or in case the Client is not satisfied with the Services.
 - b. Without cause, by giving three (03) days advance written notice to the Contractor.
 - c. If the Services do not meet the specifications, terms & conditions mentioned in the **Annexure-A, B, C, D (of the applied Lot.) of Bidding documents**.
- 4.2 In case of such termination, the Contractor shall not be paid for any Services actually rendered up to the date of termination and any advance payment by the Client in respect of the Services not performed or in respect of period falling after the effective date of termination shall be refunded by the Contractor, to the Client. The Client, shall not, because of expiration or termination of this Agreement, be liable to the Contractor for any compensation, reimbursement, or damages because of the loss or prospective profit or because of expenditures or commitments incurred in connection with the business of the Contractor.

5. Deliverables

The Services should be of best quality and as per technical specifications mentioned in the Annexure C (of the applied Lot.)of Bidding documents.

6. Charges

- 6.1 In consideration of rendition of Services, all amounts paid to the Contractor are inclusive of all taxes, levies, duties, and any other deduction related thereto etc. and are acknowledged by the Contractor to be adequate and sufficient consideration for the rendition of Services.
- 6.2 All payments to be made by the Client to the Contractor shall be subject to such deductions and withholding as are required by prevailing laws which shall be to the account of the Contractor.

7. Invoice

- 7.1 The Contractor shall submit its Invoice in accordance with the rates/charges specified in **Annexure-D (of applied Lot.)** of bidding document.
- 7.2 The Contractor shall be solely responsible for all payments, liabilities and all other obligations of whatsoever nature pertaining to its staff/workers who shall be deputed for the Services at the Client's Building.
- 7.3 The Contractor undertakes to fully indemnify and hold harmless the Client against any claims, losses, damages, or expenses in relation to injury or death to any persons or loss or damage to property arising out of the performance of supply and installation Services.
- 7.4 The Contractor and its staff /employees shall be bound to obey safety rules and other regulations prescribed by the Client on its premises. Any losses/damages suffered by the Client due to omission on the part of the Contractor, its staff/employees to abide by this condition shall be the sole liability of the Contractor and it may result in termination of the Agreement by the Client at its sole discretion.

8. Confidentiality

The Contractor, its/his staff, workers, employees, personnel, agents or any other person acting for him and/or on his behalf shall hold in confidence and complete confidentiality and all documents and other information supplied to the Contractor and his Employees personnel, agents etc. by or behalf of the Client or which otherwise came/come into its/his/their knowledge and relates to the Client or any of its project.

9. Indemnification

The Contractor shall indemnify and hold harmless the Client, its Chairman, Member Offices, Employees and other Personnel against any and all claims, damages, liabilities, losses, and expenses, whether direct or indirect, or personal injury or death to persons or damage to property arising out of (i) any negligence or intentional act or omission by the Contractor or his employees, personal , agents, etc. in connection with the Agreement, or (ii) arising out of or in connection with the performance of his obligations under this Agreement.

10. Resolution of Disputes

- 10.1 All disputes arising under this Agreement, whether during the term of this Agreement or after the termination or expiry of this Agreement shall be referred to (i) Purchase Committee-I (PC-I) of the Client for amicable settlement /resolution of the dispute at first stage. (ii) In case of failure in settlement, at the second stage the case will be referred to the Authority of the Client through Director (ICT). The decision of the Authority to settle the issue amicably will be final and will not be challenged at any forum including

court of Law. (iii) In the event of failure of amicable settlement of dispute as above, either party may refer the dispute to Arbitration under the provision of Arbitration Act, 1940 and the rules issued thereunder, at Islamabad, Pakistan.

10.2 No All variations amendments and in or modification to the terms of this Agreement shall be made, except in writing and shall be binding only if duly agreed and signed by both the parties or their duly authorized representatives.

11. Force Majeure Event

11.1 Neither Party shall be held responsible for any loss or damage or failure to perform all or any of its obligations hereunder resulting from a Force Majeure event.

11.2 For the purpose of this Agreement a “Force Majeure Event” shall mean any cause(s) which render(s) a Party wholly or partly unable to perform its obligations under this Agreement and which are neither reasonably within the control of such Party nor the result of the fault or negligence of such Party, and which occur despite all reasonable attempts to avoid, mitigate or remedy, and shall include acts of God, war, riots, civil insurrections, cyclones, hurricanes, floods, fires, explosions, earthquakes, lightning, storms, chemical contamination, epidemics or plagues, acts or campaigns of terrorism or sabotage, blockades or acts of Governmental Authority after the date of this Agreement.

11.3 The Party initially affected by a Force Majeure shall promptly but not later than seven (07) days following the Force Majeure event notify the other of the estimated extent and duration of its inability to perform or delay in performing its obligations (“Force Majeure Notification”). Failure to notify within the afore-said period shall disentitle the Party suffering the Force Majeure from being excused for non-performance for the period for which the delay in notification persists.

11.4 Upon cessation of the effects of the Force Majeure the Party initially affected by a Force Majeure shall promptly notify the other of such cessation.

12. Governing Law

The provisions of this Agreement and the rights and obligations hereunder shall be governed by and construed in accordance with the prevailing laws of Pakistan.

13. Waiver

A party's failure to exercise or delay in exercising any right, power or privilege under this Agreement shall not operate as a waiver; nor shall any single or partial exercise of any right, power or privilege preclude any other or further exercise thereof.

14. Severability

The invalidity or unenforceability of any provisions of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement, which shall remain in full force and effect.

15. Amendment

All addition amendments and variations to this agreement shall be binding only if in writing and signed by the Parties or their duly authorized representatives.

16. INTEGRITY PACT

INTEGRITY PACT DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE CONTRACTORS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: _____

Dated: _____

Contract Value: _____

Contract Title: _____

[Name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction

with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Contractor] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Contractor] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

17. Assignment

This Agreement may not be assigned by either party to other than by mutual agreement between the Parties in writing.

IN WITNESS WHEREOF, the parties hereto set their hands the day, month and year first above written.

For and Behalf of Client.

For and on Behalf of: Contractor

By: _____

By: _____

Name: _____

Title: _____

Title: _____

Name: _____

Signature: _____

Signature: _____

Date: _____

Date: _____

Witnesses

1. _____

2. _____

Name: _____

Name: _____

CNIC: _____

CNIC: _____