PAKISTAN ENGINEERING COUNCIL
pec.org.pk

BIDDING DOCUMENT
Doc No: PEC/IT/2021/FW01

FOR PROCUREMENT OF FIREWALL
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1. OBJECTIVE OF THE DOCUMENT

The objective of this document is to provide instructions/guidelines to bidders for preparing technical and financial Proposals for the delivery, installation & commissioning of firewall at Pakistan Engineering Council (PEC) Head Office, Islamabad.

2. BACKGROUND

Pakistan Engineering Council is a statutory body, constituted under PEC Act 1976 with mandate to regulate engineering profession in totality, register Constructors/ Operators & Consultants, Promote & Facilitate Engineering Profession & Industry and impart continuous professional development (CPD) to engineers.

PEC has taken number of initiatives to automate its processes and is successfully running the online solutions. These solutions are used publically by students, engineers, firms, companies and government departments. PEC has plan to conduct EPE exam online with candidate-count of 3000 in next 05 years. Online services are hosted at PEC-HQ data center & cloud machines.

With increasing online services, information security has become a challenge and PEC intends to counter this challenge vigorously with industry standard solution.

Pakistan Engineering Council has its head office at G5/2, Ataturk Avenue East, Islamabad with regional offices at Karachi, Lahore, Peshawar and Quetta.

3. PROPOSAL SUBMISSION INSTRUCTIONS

i. The proposals will be submitted under PPRA 36-A rule i.e in a single envelope having separately sealed technical and financial proposals with a clear title as “Technical Proposal” and “Financial Proposal” on respective envelopes.

ii. The outer large envelope should bear the words in block letters “PEC FIREWALL PROPOSAL” as well as the name, address, email, and telephone/mobile number of the firm submitting the bid.

iii. The bidders must enclose the complete datasheet of the proposed firewall with a URL having all the technical specification as required by PEC

iv. All RFP responses should have consecutively numbered pages, including all pages with printed matter, excluding the draft contract and table of contents. The bid proposals must be sent to the following address;

   Director Administration
   Pakistan Engineering Council
   G5/2, Ataturk Avenue East (Islamabad)
v. If a bidder has any questions about the firewall project, it may be clarified during the “Pre-Bid Meeting” on 17th Feb 2021, 1000hrs at the following designated address. Any query about the RFP can be shared at purchase@pec.org.pk with the subject “PEC FIREWALL Query”
   Note: Any query without the specified subject, may be ignored.

vi. The bids will be opened at PEC head office, G-5/2, Islamabad on 23rd Feb, 2021 at 1500hrs. Technically qualified bidders may be requested for a brief presentation at PEC head office, Islamabad.

4. ELIGIBILITY CRITERIA

The bidder shall meet the following minimum qualifications criteria to be eligible for bid submission.

i. The bidder shall be a company or firm registered as such through pertinent authority in Pakistan.

ii. The bidder must not be blacklisted by any public/private institution/organization.

iii. The bidder must be registered with relevant Tax Authorities as per prevailing tax rules and an active tax filer.

iv. The bidder must not be a Joint Venture.

5. EARNEST MONEY/PERFORMANCE GUARANTEE

i. The Tenderer shall furnish the Bid Security (Earnest Money) as under:
   a. For a sum of Rs 100,000 (One hundred thousand Pak Rupees Only)
   b. Denominated in Pak Rupees
   c. Should not be enclosed within financial bid envelope i.e. should be easily verifiable for compliance of technical evaluation.
   d. In the form of Demand Draft / Pay Order / Call Deposit Receipt, in-the name of Pakistan Engineering Council, issued by a scheduled bank operating in Pakistan
   e. Have a minimum validity period of ninety (90) days from the last date for submission of the tender or until furnishing of the Performance Security, whichever is later.

ii. The Bid Security shall be forfeited by the PEC, on the occurrence of any / all of the following conditions:
   a. If the Tenderer withdraws the Tender during the period of the Tender validity
   b. If the Tenderer does not accept the corrections of his Total Tender Price
   c. If the Tenderer, having been notified of the acceptance of the Tender by the client during the period of the Tender validity, fails or refuses to furnish the Performance Security, under the Tender Document.
iii. The Bid security shall be returned to the technically unsuccessful Tenderer. The Bid Security shall be returned to the successful Tenderer upon the furnishing of the Performance Security.

iv. The successful bidders/suppliers shall provide the 10% performance guarantee of the contract value within two weeks after award of work for minimum of two months after completion of the firewall project.

6. REJECTION / ACCEPTANCE OF THE BID

The client may reject all bids or proposals at any time before the acceptance of a bid or proposal. The client shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds.

The proposals shall be rejected if it is:

i. Substantially non-responsive in a manner prescribed in this tender document.

ii. Submitted in other than prescribed forms, annexes, schedules, charts, drawings, documents (whichever may apply)

iii. Incomplete, un-sealed, un-signed, conditional, alternative, late.

iv. Subjected to interlineations / cuttings / corrections / erasures / overwriting

v. The Tenderer refuses to accept the corrected Total Tender Price.

vi. The Tenderer has a conflict of interest with the client.

vii. The Tenderer tries to influence the Tender evaluation / Contract award.

viii. The Tenderer engages in corrupt or fraudulent practices in competing for the contract award.

ix. The Tenderer fails to meet all the requirements of Tender Eligibility Criteria.

x. The Tenderer fails to meet the Technical Evaluation criteria requirements

xi. The tenderer has been blacklisted by any public or private sector organization;

xii. The tenderer has mentioned any financial implication(s) in the financial proposal that is in contradiction to this document and Government rules and regulations.

xiii. The submitted proposals have any irregularity or non-conformity with the tender document or PPRA rules.

7. RIGHTS RESERVED

The procurement committee of the Pakistan Engineering Council reserves the right to accept or reject any or all the bids or increase and decrease the number of goods or annul the procurement process without assigning any reason thereof.
8. AMENDMENT OF THE TENDER DOCUMENT

The client may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s). PEC shall notify the amendment(s) in writing to all prospective Tenderers as per rules.

9. SCHEDULE OF PAYMENT
   i. No advance payment shall be made.
   ii. The supplier shall submit the original bill/invoice along with a signed delivery challan.
   iii. Payment shall be made against purchase/supply of equipment/service through cross cheque in the name of the firm/supplier after deducting applicable taxes as prescribed by the Government from time to time.
   iv. Payment will be made within 30 days after receipt and successful installation/commissioning and functioning of all supplied equipment/services by the supplier.
   v. Bidders are required to quote all prices in Pak rupees inclusive of government taxes charge octroi, GST, etc.
   vi. The bid should remain valid for at least 90 days from the date of submitting the bid.

10. TECHNICAL DOCUMENTS
   i. All the information provided in the bid should also be adequately supported by relevant documents and technical brochures. Bidder may attach documents highlighting the competitive edge and unique features of their bids.
   ii. Each quoted item should be clearly mentioned with brand name & URL (if available)
   iii. Any specification or condition mentioned in tender document, if not found in bid document, shall give the right to PEC to consider it as “condition not being met/fulfilled”.
   iv. Bidders are advised to enclose copy of Dealership Certificate(s) and Proof of registration with the income Tax Department and Sales Tax Department with the quotations.
   v. Bidders should provide authorization letter from principal authorize dealer for the equipment supplied.
   vi. An affidavit to the effect that the firm has not been blacklisted.

11. DELIVERABLES
   i. Delivery of firewall at PEC Head Office Islamabad.
   ii. Installation & testing of the device in PEC Infrastructure.
   iii. Training/orientation of the relevant PEC Staff.
   iv. Configuration of the firewall as required by PEC.
   v. 06 months services/technical support.
vi. Delivery of signed documents showing activated licenses with expiry date.

vii. Delivery of signed documents showing features covered under each license (perpetual/term-based).

12. DELIVERY PERIOD

i. The successful bidder will be required to deliver the ordered equipment up to maximum of 6-8 weeks’ time, starting from the date of issue of Purchase Order by Purchaser. In case of delay in delivery, penalty per week shall be charged at 3% of contract value, up to maximum 10% of the total contract value.

ii. The Purchaser will have the right to revise (if required) the delivery time period based on justified reason.

iii. Delivery of equipment shall be made at PEC Head office, Islamabad.

13. DEMURRAGES

Should any demurrage charges be incurred due to any of the reasons mentioned below the same shall be deducted from the vendor’s bills or recovered as a separate item (the decision of the purchaser, regarding fixation of responsibility in this connection, shall be binding):-

i. Owing to delay in forwarding/delivery of equipment and relevant documents.

ii. Defective marking or packing of the items ordered.

iii. Due to reason not specified above but for which the vendor is responsible.

14. CRITERIA FOR TECHNICAL EVALUATION

The following points will be used in the Technical evaluation of the bidders. Minimum points separately in each category are to be secured for technical qualification.

<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Requirements</th>
<th>Max. Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Company Experience in years* =([Company experience in years] x 02 (Points) *(minimum 08 months will be rounded up to year)</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>Financial Strength (Net Worth based on audited financial statement 2019/2020) =([Net worth in millions] x 02 (Points)</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Number of proposed-firewall, already deployed (please share client reference/POC) = [Number of proposed-firewall deployed] x 02</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>Support Labs / Service Centre, Backup Support facilities (in Pakistan) =([Number of support Offices] x 02</td>
<td>10</td>
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<tr>
<td>5</td>
<td>Service Level Agreement (SLA) with Client/POC detail =([Number of clients] x 02</td>
<td>10</td>
</tr>
</tbody>
</table>

Total Marks 100

Passing Marks: 70%
15. LICENSE DURATION / TYPE
   i. Minimum license validity must be 01 year.
   ii. Bidders are required to provide the features list covered under standard (perpetual) license.
   iii. Bidders are required to provide features list not covered under standard license and will require license renewal cost.
   iv. Bidders are encouraged to share specific licensing detail e.g. 01 license equally valid for 02 firewall units deployed in high availability (HA) environment.
   v. All features offered under perpetual and term-based license must be shared on Annex-B.
   vi. The renewal cost (effective only for license renewal) for the term-based license features must be shared separately in financial proposal. Skipping this cost will lead to non-responsive bid.

16. FIREWALL QUANTITY: 02*

*Quantity will only be finalized after completion of lowest evaluated bid.

17. FIREWALL TECHNICAL SPECIFICATION
   1. Minimum Firewall Throughput 26+Gbps
   2. IPS throughput should be at least 8 Gbps
   3. Anti-Virus throughput should be more than 5 Gbps
   4. Min VPN Throughput 5.5+ Gbps
   5. Concurrent session at least 8,000,000 approx.
   6. Total number of users = 450 approx.
   7. VPN tunnels = 250 approx.

18. MINIMUM REQUIRED FEATURES
   1. Real-time Graphical visibility chart of each Source IP address connected to the destination IP address (LAN/WAN) and type of traffic.
   2. Bandwidth load balancing feature.
   3. On-Cloud Backup and Data Retention Feature.
   4. Automatically block the harmful and bad rated sites.
   5. Support of HA in Active-Passive and Active-Active mode (Cluster-Mode).
   6. Fully Support Routing Protocols (OSPF, BGP, etc.).
   7. Capability to detect malware traffic on any endpoint (desktop computer, laptop, etc.)
   8. Email Quarantine server and notification to user inbox for every blocked Email.
10. IP address assignment Static, DHCP (server, client, and relay), PPPoE, Dyn DNS.
12. Multi-WAN and SD-WAN features for load balancing.
13. Rapid Deployment Feature for uploading the configurations in the firewall remotely.
14. Single sign-on: Windows, macOS, mobile operating systems, SAML 2.0, RADIUS.
15. Botnet detection, Blocking & reporting.
16. Isolation of Guest Network:
   a. Bandwidth allocation for user/group
   b. Limit downloading file size
   c. Access schedule
   d. Block streaming feature
17. Alerts:
   a. WAN connection failure
   b. Concurrent session threshold
   c. Bandwidth
d. Spam generation
e. Forward critical alerts over SMS
f. Forward critical alerts over email
18. Reports (daily/weekly/monthly):
   a. LAN users
   b. WAN users
   c. The highest number of concurrent sessions over different network
d. Security reports
   i. Top Attackers (IP/MAC)
   ii. Top targets (IP/MAC)
e. Spam reports
   i. Top spam generators (IP/MAC)
   ii. Top spam receivers (IP/MAC)
f. Bandwidth monitoring
   i. Total number of bandwidth (IP/MAC)
   ii. Top/highest bandwidth user (IP/MAC)
g. VPN connections
   i. Total number of connections (IP/MAC)
   ii. Connected users (IP/MAC)
19. Application Proxies support for HTTP, HTTPS, SMTP, FTP, DNS, TCP-UDP, POP3, SIP, H.323
20. Threat protection: DoS attacks, fragmented & malformed packets, blended threats
21. VPN integration (SSL, IPSEC, Site-to-Site, Mobile (Client), etc.)
22. 4 x ISP Multi-WAN Support
23. Full firewall bundle
   a. Intrusion Prevention Service (IPS)
   b. Gateway Anti-Virus
   c. Reputation Enabled Defense
   d. Network Discovery (visual map of all nodes on network)
   e. Anti-SPAM/Spam Prevention
   f. Web/Content/URL Filtering
   g. Application Control
   h. 24/7 Support
<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Compliance Item</th>
<th>Complied (Y/N)</th>
<th>Page ref no.</th>
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<tbody>
<tr>
<td>1</td>
<td>Firewall deployment detail with Client/POC</td>
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<tr>
<td>2</td>
<td>Active SLA with Client/POC</td>
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<td>3</td>
<td>Financial Strength</td>
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<td>4</td>
<td>Firm registration with the relevant authorities</td>
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<td>5</td>
<td>Recurring licenses cost provided in the financial proposal</td>
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<td>6</td>
<td>Recurring license detail along with dependent features</td>
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<td>7</td>
<td>Standard license (perpetual) features list provided (no recurring fee)</td>
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<td>8</td>
<td>Features list requiring license renewal (term-based)</td>
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<td>9</td>
<td>Certificate of no blacklisting</td>
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<td>10</td>
<td>Active taxpayer</td>
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<td>11</td>
<td>All prices inclusive of all taxes</td>
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<td>12</td>
<td>Proposal valid for 90 days (minimum)</td>
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<td>13</td>
<td>Dealership certificate/s</td>
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<td>14</td>
<td>URL of proposed firewall</td>
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<tr>
<td>15</td>
<td>Global rating/URL of proposed firewall (Gartner / NSS Lab etc.)</td>
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<td>16</td>
<td>Authorization letter</td>
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<td>17</td>
<td>No Joint Venture (JV) bid</td>
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<td>No.</td>
<td>Description</td>
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<td>22</td>
<td>06 months services/technical support</td>
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<td>23</td>
<td>Detail of support offices including City, mailing address, landline number, POC</td>
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<td>24</td>
<td>Specification-summary of proposed firewall on Annex-A</td>
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<tr>
<td>25</td>
<td>Features vs License Classification on Annex-B</td>
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<tr>
<td>26</td>
<td>License renewal cost shared separately in financial proposal</td>
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</table>
21. FEATURES VS LICENSE CLASSIFICATION

Please tick mark the appropriate license type for every feature provided in the firewall.

Note: Bidder may attached extra sheet (if required)

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Features</th>
<th>License Type</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Perpetual</td>
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<tr>
<td>1</td>
<td>Sample feature 1</td>
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<td>e.g (IPS)</td>
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<td>2</td>
<td>Sample feature 2</td>
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<td>e.g (Gateway Antivirus)</td>
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