

## **Bidding Document**

### **PROVISION, INSTALLATION, COMMISSIONING & DEPLOYMENT OF BLADE SERVERS WITH CHASSIS**

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<b>Last Date for Submission:</b>	<b>11<sup>th</sup> May, 2018 at 03.00 P.M.</b>
<b>Tender Opening Date:</b>	<b>11<sup>th</sup> May, 2018 at 03.30 P.M.</b>

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**Note:**

**Bidders should read the Bidding Document carefully and comply strictly while submitting their tenders.**

**If the Bidder find any discrepancy, error, or omission in the Bidding Document, he may notify it to the Head Procurement five days prior to the closing date for Tenders.**

**The Bid Opening Committee reserves the right to accept or reject any or all bids as per KPPRA rules.**

## **Description of Work**

### **1.1 Introduction**

The Bank of Khyber (BOK) invites sealed proposals i.e. Technical and Financial on **Single Stage Two Envelope Procedure** for the provision of Blade Server with Chassis that will provide an enhanced solution in terms of performance & compute and will reducing space and power utilization.

Keeping in view the existing limitations and business expansion of the organization the BOK has initiated a project to enhance the IT Infrastructure gradually. Different applications are running in BOK to serve the customers. Currently, applications are running in distributed environment on standalone servers and low performance servers consuming more space and power.

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 **Friday, 11<sup>th</sup> May 2018 at 03.30 PM** and the bids shall be opened on the same day at **03.30 PM** at The Bank of Khyber, Head Office.

### **1.2 Scope of Work / Objective**

The Bank of Khyber (BOK) is seeking a technology vendor from which Blade Server with Chassis solution is purchased to enhance its existing technology. Vendor is required, but not limited to depute Certified Staff to install, configure and deploy their proposed solution in BoK Data Center environment and also deliver training to the concerned staff.

The technical specifications of the required equipment are as follows: -

<b>Specifications for High Performance Blade Chassis/Enclosure</b>		
<b>SNo</b>	<b>Features</b>	<b>Specifications Required</b>
1	Form Factor	Two Blade Chassis required: Each Chassis should accommodate at least 14 hot pluggable blade servers.
2	IO Modules	The chassis must have Server side 10G Ethernet connectivity and 16GFiber Channel connectivity in redundancy.
3	Mid-plane / Back-plane	Chassis should have a highly reliable passive and high performance mid plane / back-plane for providing connectivity of the shared resources to the compute nodes in a highly reliable manner with No Single Point of Failure.
4	Power Module	Redundant Hot Plug High Efficiency Power Supply with N+N/N+1 configuration.

5	Chassis Management Module (redundant applicable) if	Solution Should provide remote management features, Server management software capable of providing role-based security, alerts of critical component failure along with power monitoring. Should also provide for controlling Power, Fan management, Chassis and compute node initialization, Switch management, Resource discovery and inventory management, Resource alerts and monitoring management, Chassis and compute node power management and diagnostics for elements including Chassis, I/O options and compute nodes.
6	Cooling	Each blade enclosure should have a cooling subsystem consisting of redundant hot pluggable fans / blowers enabled with technologies for improved power consumption and acoustics.
7	Warranty	3 years comprehensive warranty with 24x7 onsite support (within Same Day) for repair & replacement of hardware and all the components.
8	Alerts	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Server components, Storage components, Switch components and Chassis components. It should also be able to provide "Call Home" type of alert.
9	Integrated Management User Interface	The proposed solution should have an Integrated management where integration of Servers, Storage, Networking and other available hardware resources in the solution are managed using a common GUI
10	Inter connectivity	Should support simultaneous housing of Ethernet and FC offering Hot pluggable and redundancy as a feature.
11	Fiber channel Switch module	Should be configured with dual redundant hot plug Fiber Channel switches modules with 8 x 16 Gbps uplink ports auto-negotiating FC uplinks with SFP and 16Gb auto-negotiating downlinks to all servers in the chassis. Sufficient ports (at least 24 ports) should be made available to support the connectivity with all the servers, storage and tape library.
12	Ethernet Switch Modules	Should be configured with dual redundant hot plug minimum 10G Ethernet switches modules with at least 14 internal 10G or higher ports to connect to blade servers in the enclosure and 8 x 10Gbps or higher uplink ports.
13	Scalability	The proposed solution should be scalable in future from all aspects.

#### **Blade Specifications for High Performance Category (Qty:10)**

1	Blade Type	Two sockets solution (Half height)
2	CPU	2 x Intel® 10 cores Xeon® Processors 2.1 GHz or higher
3	Cache	Minimum 20 MB Cache
4	Memory	Total installed memory per blade server in the proposed solution must be 256GB minimum and scalable up to at least 512GB.
5	SCSI Controllers	System have integrated RAID 0, 1 with on board RAID controllers or equivalent.
6	Disk Drives	Must have 2.5", 2 x 600GB Flash/SSD Drive minimum
7	Ethernet Adapter	The system must support & equipped with redundant I/O or mezzanine cards with throughput of 10Gbps per blade.
8	Fiber Channel HBA Connectivity	The system must support & equipped with redundant I/O or mezzanine cards with throughput of 16Gbps per blade.
9	Warranty	3 years comprehensive warranty with 24x7 onsite support (within Same Day) for repair & replacement of hardware and all the components.
10	Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processor, memory and HDDs
11	OS Support	The solution must support all well-known OS platforms like Microsoft Windows Server 2008, 2012, 2016, Red Hat Enterprise Linux and virtualization support like Hyper-V, VMware, Xen Citrix etc.

#### **Blade Specifications for Standard Category (Qty:14)**

1	Blade Type	Two sockets solution (Half height)
2	CPU	2 x Intel® 10 cores Xeon® Processors 2.1 GHz or higher
3	Cache	Minimum 20 MB Cache

4	Memory	Total installed memory per blade server in the proposed solution must be 128GB minimum and scalable up to at least 512GB.
5	SCSI Controllers	System have integrated RAID 0, 1 with on board RAID controllers or equivalent.
6	Disk Drives	Must have 2.5", 2 x 600GB SAS (15K) Drive.
7	Ethernet Adapter	The system must support & equipped with redundant I/O or mezzanine cards with a throughput of 10Gbps per blade.
8	Fiber Channel HBA Connectivity	The system must support & equipped with redundant I/O or mezzanine cards with a throughput of 16Gbps per blade.
9	Warranty	3 years comprehensive warranty with 24x7 onsite support (within Same Day) for repair & replacement of hardware and all the components.
10	Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processor, memory and HDDs
11	OS Support	The solution must support all well-known OS platforms like Microsoft Windows Server 2008, 2012, 2016, Red Hat Enterprise Linux and virtualization support like Hyper-V, VMware, Xen Citrix etc.
<b><u>Rack &amp; Accessories</u></b>		
1	Rack	Industry standard 42U Server/Storage Rack with all required accessories (PDUs, Fillers etc. as per requirement) to operate the proposed solution
2	KVM Display	Standard Flat panel monitor console kit with all accessories (USB keyboard with integrated pointing device).
3	KVM switch	Digital KVM switch with at least 24-ports with all accessories required to connect the mentioned blades.
<b><u>Installation &amp; Training</u></b>		
1	Installation & Configuration	The vendor will install and configure the hardware on site with all the features.
2	Training	Minimum 5 days hands on training for 04 resources before Contract Closure.
<b><u>OEM</u></b>		
1	OEM	Original Equipment sales, pre-sales, and support resources availability and OEM office must be available in Pakistan.

## 2. 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:

### 2.1 Format of Technical Proposal

The technical proposal should be concisely presented and structured in the form of chapters to include, but not necessarily be limited to, the following information. Support material should not be part of the main proposal but should be placed at Appendixes.

#### 2.1.1 General

The responding organization (Bidder) should provide the following:-

1. Name of the participating organization or participating organizations (if more than one) in the responding consortium, including their scope of involvement.
2. Number of years of incorporation of the participating organization or participating organizations (if more than one).

#### 2.1.2 Mandatory Requirements

1. 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 Tier-1 Partner of the Manufacturer since last 2 years and must provide its certificate	Manufacturer's Registration / Incorporation Tier-1 Certificate for the last 2 years should be provided
2	The bidder should be an Active Tax Payer and must provide Sales tax Certificate	KPRA (Khyber Pakhtunkhwa Revenue Authority) Registration Certificate should be provided. Valid GST Registration and Income Tax Certificate should be provided
3	The bidder must be registered with FBR	The bidder should provide its <b>FBR</b> registration certificate (NTN) and Registration of Incorporation under the laws of Pakistan
4	The bidder should not have been blacklisted by any of the Provincial / Federal Government or organizations of the State / Federal Government in Pakistan	<b>Undertaking</b> on stamp papers should be submitted by the bidder that it is not being blacklisted. And must provide List of arbitration/legal suits/unsettled disputes with the financial sector clients (if any) in last five years.
5	The bidder must submit <b>Annual Audited Report</b> for the last 03 Financial years	Annual Audit Report including Balance Sheet, Income Statement and Profit & Loss accounts along with auditors' notes for the last three (3) audited years should be submitted.
6	All Vendors must provide at least 5 deployments of similar equipment/product with contact information and valid proof	Bidder must also provide details of last Five Years projects/services delivered. Valid documentary evidence must be submitted (Preference will be given to Order issued by Financial Institution)
7	The bidder must have legal presence in Pakistan. Firm having <b>Office in Peshawar will be preferred</b> . And should submit list of Offices across Pakistan	List of Offices across Pakistan must be submitted
8	The firm must submit <b>List of Certified Technical Staff</b> related to the subject Tender	List of HR to be provided
9	Original Equipment sales, pre-sales, and support resources availability and OEM office must be available in Pakistan	Valid documentary evidence must be submitted
10	List of Import Documents of the similar equipment	Valid documentary evidence should be provided

### 2.1.3 Financial Capabilities

The bidder shall describe the financial position of its organization. Income Statement or Annual Report should be included in the detailed Technical 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).

### 2.1.4 Project Implementation/Management Plan

The bidder shall provide a detailed implementation plan and project management plan. Bidder should provide the timelines. Responding Organization should cover tasks assigned to the employees and resource allocation of responding organization during the course of the project. This should not be in generic terms but should be specific to the project. Project plans in tabular form, mentioning names of tasks, sub

tasks, start date, finish date, resources and milestones will also be appreciated. In the training category, bidder is required to provide detailed training schedules along with the names of resources.

### **2.1.5 Warranty Period**

The bidder shall give (3) Three years comprehensive after completion warranty for Hardware specific under company strategy , certifying that the goods/services supplied confirm exactly to the specifications laid down in the contract and are secured and that in the event any material being found defective or not conforming to specifications/particulars governing the supply for the warranty period from the date of supply the supplier will be held responsible for all losses and that the unacceptable items shall be substituted with the acceptable items at bidder expense and cost. An amount equivalent to 10 % of total payment (inclusive of 2% earnest money) shall be deducted as security/warranty for delivery, inspection, acceptance, installation and operation.

### **2.1.6 Training Capabilities**

Bidder should indicate its training capabilities to provide relevant OEM training to 04 No. of concerned staff. Bidder should also provide a detailed training schedule and necessary equipment will be arranged by the bidder. Preference will be given to the bidders with certified trainers.

### **2.1.7 Technical Evaluation Criteria is as follows: -**

The Bidders complying with the Mandatory Requirements and Technical Specifications will be considered Qualified and will be considered for Financial Opening.

While the firms will be disqualified and will not be considered for further Financial Evaluation if: -

- a. The firm fails to submit the valid relevant evidence of the required Mandatory Requirements, or
- b. The firm fails to Comply with Technical Specifications of the required equipment.

## **2.2 Format of Financial Proposal**

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.

SNo	Description	Amount in PKR	GST	Total Amount in PKR
1	Provision, Installation, Commissioning, Deployment of Blade Server with Chassis			

### **2.2.1 Currency**

All currency in the proposal shall be quoted in Pakistan Rupees (PKR).

### **2.2.2 Withholding Tax, Sales Tax and other Taxes**

Bidder is hereby informed that the Bank shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments rendered by any bidder who signs a contract with the Bank. Bidder will be responsible for all taxes on transactions and/or income, which may be levied by government.

### **2.2.3 Governing Law**

This bidding document and any contract executed pursuant to this document shall be governed by and construed in accordance with the laws of Pakistan. The Government of Pakistan and all bidders responding to this bidding document and parties to any contract executed pursuant to this document shall submit to the exclusive jurisdiction to Courts.

#### **2.2.4 Acceptance of Proposals**

The Bank of Khyber reserves the right not to accept the lowest or any proposal and to annul the bidding process as per KPPRA rules.

The acceptance criteria is as follows:

1. Bidder must technically comply with mentioned Mandatory Requirements and Technical Specifications as per Technical Evaluation Criteria mentioned in 2.1.7.
2. Bidder must comply with all the Terms & Conditioned mentioned in the bidding document.
3. Bidder quoted the lowest price amongthe Qualifiedbidders.

**IF FURTHER INFORMATION REGARDING THIS BIDDING DOCUMENT IS REQUIRED, PLEASE FEEL FREE TO CONTACT THE CONCERNED DOMAIN ADMINISTRATOR (OWNER):**

**Mr. GulzebJadoon,**  
Gulzeb.Jadoon@[bok.com.pk](mailto:bok.com.pk)

## TERMS & CONDITIONS

1. The Procurement shall be conducted in accordance with the Khyber Pakhtunkhwa Procurement Rules 2014 on **Single Stage Two Envelope Procedure**.
2. The Bank of Khyber invites two separate sealed envelopes, one for Technical Proposal and One for Financial proposal from Tier-1 partner of the Manufacturer of Blade Servers having legal presence in Pakistan for delivery, deployment, configuration, commissioning and support of the required equipment.
3. Bidders are required to submit both sealed proposals to the office of the **Head Procurement Division, The Bank of Khyber** on or before Friday 11<sup>th</sup> **May, 2018 at 03.00 PM**. Tender shall be Opened on same day at 03.30 PM at The Bank of Khyber, Head Office.
4. The Technical bid should clearly mention Make, Model and Brand, (Specification of bid) without quoting the price and must mention the warranty period.
5. Company seal / stamp must be fixed on both Technical Proposal and Financial Proposal.
6. All the firms applied for the Tender must provide documents in line with the Mandatory requirements and should qualify the Technical Evaluation Criteria. **If any firm fails to qualify the Technical Evaluation Criteria, then Financial Proposal of the same will not be opened.**
7. **Any bid submitted after due date and time will not be entertained.**
8. 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.
9. All prices quoted must be inclusive of all Taxes applicable, such as GST, Income Tax, etc.
10. The prices quoted shall remain valid for 120 days, after the date of opening the tender.
11. Delivery of all items must be made within **(6 – 8)** weeks of issuance of purchase order.
12. **In case of failure to supply the item under specified time. The work order shall stand cancelled and call deposit would be forfeited. Accordingly, the work shall be awarded to second lowest qualified bidder.**
13. 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.
14. **No negotiations and revised bids will be allowed.**

*Head Procurement, Head office,*  
**The Bank of Khyber, 29 A, The Mall, Peshawar Cantt.**  
**Phone: 091-5261117, 091-5275352**