Request for Bids
Goods

(One-Envelope Bidding Process)

Supply of Servers and Racks for Data centers

Country:	**Pakistan**
Project Name:	**Pakistan Raises Revenue Program**
Implementing Agency:	**Federal Board of Revenue (FBR)**
Loan No:	**Credit No. 6435-PK**
Project ID No:	**P165982**
RFB No.	**1(13)/P&CM/PO/2020-21**
STEP Ref. No	**Activity No. PK-FBR-226877-GO-RFB**

FBR PAKISTAN **Federal Board of Revenue**
Revenue Division – Government of Pakistan

Relevant Item/ Section as per RFB	Question(s) by Bidder(s)	Answer(s)/ Clarification(s) by FBR
Processor and Power Supplies	*Required processor specifying model, type and speed etc.*	**FBR's requirement is 83xx 3rd Generation Processor as per the given specifications.**
Memory	*Minimum and maximum RAM along with preferred combination and individual DIMM requirements e.g., 64 GB and 128 GB etc.*	**Minimum 2TB RAM is required in each server extendable to 3TB. Every bidder has its own configuration of RAM. It's purely bidders' decision, if they are using 128 GB RAM or 64 GB Ram. FB's requirement is 2 TB RAM in each server extendable up to 3TB.**
Hard Drivers	*1.8 TB not available, option for 2.4TB may please be added.*	**1.8 TB or higher capacity HDD will be acceptable.**
Server RAID	*PCIe RAID Controller may be allowed besides Onboard RAID Controller as required in the RFB.*	**PCIe RAID Controller is acceptable, RAID 1 is required for SSDs.**
Network Interfaces	*4 x 10G Ethernet Interfaces required either 10G Base-T or 10G Optical?*	**Ethernet ports are required as per the RFB.**
• KVM &Racks with all Accessories • Server Racks and Power Distribution Units PDUs	*Remote Management to Deploy, Monitor, Manage, Configure, Update and Troubleshoot Servers from any location without using any agent or an operating system.*	**ILO/IDRA/IBMC or equivalent for Remote management with required licenses is required with the servers.**
• KVM &Racks with all Accessories • Server Racks	*Required quantity of KVM.*	**Each rack has a separate KVM. Each KVM must be capable of network connectivity for remote management.**
Server Racks	*The list of Goods contains the total quantity of 15 Racks with distribution details for each site. In the clarification queries document total number of racks specified are five (05). Can we read as supply of 15 Racks in total or 5 racks?*	**Total number of Racks are 15 as per details given in the RFB.**
Server Racks	*Racks dimensions clarifications.*	**FBR's requirement is standard Server Racks i.e., 800 x 1,200 mm with an adjustable reeling kit and all accessories.**
Server Racks	*Rack mounted 2U/3U/4U servers with redundant hot swappable Power supplies and fans.*	**3U/4U servers are required with redundant fans and hot-swappable power supplies.**
Server Racks	*Toolless Blanking panels are asked for only 5 Racks whereas total racks required are 15 units. Naturally FBR will need Blanking panels for all racks if these are not fully populated. Please confirm for how many Racks these fillers will be required?*	**Fillers for all 15 Racks are required.**

Relevant Item/ Section as per RFB	Question(s) by Bidder(s)	Answer(s)/ Clarification(s) by FBR
Server Racks	*As the racks are branded items and the blanking panel having significant cost associated to it. Can this item only be offered with optional price?*	**The price(s) must be all inclusive and no separate/ optional pricing will be acceptable.**
Power Distribution Units PDUs	*PDUs shall be with SNMP or Modbus basis connectivity.*	**Remotely configurable and SNMP-based PDUs required.**
Installation and Commissioning	*Bidder will only be responsible for server end SFP's only. Please confirm.*	**Bidder will be responsible for server – end SFPs only.**
Installation and Commissioning	*Required length of Patch cords for Copper & Fiber Connectivity.*	**3m, 5m, 10m, CAT7 patch cords are required with servers.**
Optional Items	*Optional items/ pricing.*	**The price(s) must be all inclusive and no separate/ optional pricing will be acceptable.**
Delivery schedule	*Extension in delivery timelines.*	**Bidders are advised to ensure fastest/ minimum possible deliveries adhering to the delivery timelines given in the RFB.**