

Amendment-1 to RFP 10/2019-20 dated 20/06/2019 for Supply, Installation, Configuration, Implementation and Maintenance of Hardware, Software and Other items in Canara Bank

It is decided to amend the following in respect of the above RFP:

Sl. No.	Page No.	Section/ Annexure/ Appendix of the RFP	Clause No.	Existing	Amended
a.	36		<u>Annexure-2</u>  Eligibility Criteria Declaration	<p><u>f. Eligible Criteria:</u> Bidder Should have supplied installed and maintained <u>SSD based all flash array (AFA) Storage of 50TB usable capacity in single array in at least One Schedule Commercial Bank, Public Sector Organization, Private Sector Organization, Government Organization in India in the last two Years as on RFP date.</u></p> <p><u>Documents to be submitted for Eligibility Criteria Compliance:</u> The Bidders has to provide order copy/reference Letter in their name from any Schedule Commercial Bank, Public Sector Organization, Private Sector Organization, Government Organization in India duly mentioning the hardware and software with make, model and capacity of the solution to this effect.</p>	<p><u>f. Eligible Criteria:</u> Bidder Should have supplied, installed and maintained <u>SAN Storage of 30TB usable capacity of SSD in single array pool in at least One Schedule Commercial Bank, Public Sector Organization, Private Sector Organization, Government Organization in India in the last two Years as on RFP date.</u></p> <p><u>Documents to be submitted for Eligibility Criteria Compliance:</u> The Bidders has to provide order copy/reference Letter in their name from any Schedule Commercial Bank, Public Sector Organization, Private Sector Organization, Government Organization in India duly mentioning the hardware and software with make, model and capacity of the solution to this effect.</p>
b.	39		<u>Annexure-7</u>  Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Hardware,	<p><u>6. HDD : Minimum usable 1TB SSD Disk in RAID 10 of higher capacity hot swappable disks.</u></p>	<p><u>6. HDD: Minimum SSD Size of 800 GB in RAID 10 Configuration along with one extra disk for fault tolerance. All disks should be configured in Hot Swappable configuration.</u></p>

		Software and Other items in Canara Bank  A. Technical Specifications of Servers (8 Nos. at DC and 8 Nos. at DRC):		
c.	39	<u>Annexure-7</u>  Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Hardware, Software and Other items in Canara Bank  A. Technical Specifications of Servers (8 Nos. at DC and 8 Nos. at DRC):	<u>10. FC HBA:</u> Minimum 4 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity to support proposed <u>NVMe based storage.</u>	<u>10. FC HBA:</u> Minimum 4 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity to support proposed <u>SAN storage.</u> However all four FC ports should not be part of one <u>quad port PCI Adapter.</u>
d.	39	<u>Annexure-7</u>  Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Hardware, Software and Other items in Canara Bank  A. Technical Specifications of Servers (8 Nos. at DC and 8 Nos. at DRC):	<u>14. OS &amp; Hypervisor Certification:</u> Support for All Kind of x86 & x86_64 (Windows Server 2016, 2019, Redhat Linux 7 & 8), Hypervisor Support (ESXI & Hyper-V)	<u>14. OS Certification:</u> Support for Redhat Linux 7 or later / <u>OEL 7 or later.</u>

e.	41	at DRC): <u>Annexure-7</u> Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Hardware, Software and Other items in Canara Bank  C. Technical Specifications of Enterprise Higher Range SAN Storage (1 Nos. at DC and 1 Nos. at DRC):	<u>3. Type</u> : SSD based all flash array (AFA) storage	<u>3. Type:</u> Enterprise SAN Storage with SSDs. (However the required Minimum 30TB Usable capacity should be in SSD configuration only).
f.	41	<u>Annexure-7</u> Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Hardware, Software and Other items in Canara Bank  C. Technical Specifications of Enterprise Higher Range SAN Storage (1 Nos. at DC and 1 Nos. at DRC):	<u>11. Performance</u> : Capable of delivering sustained minimum 2GB/s throughput and <u>300,000 IOPS</u> in (70:30) ratio with Microsecond response time in fully populated capacity in single hardware array.	<u>11. Performance:</u> Capable of delivering sustained minimum 2GB/s throughput and minimum <u>100,000 IOPS</u> in (70:30) ratio with Millisecond response time in fully populated capacity in single hardware array pool.  <u>The bidder is required to show performance matrix on proposed storage, however if workload is less to produce the asked performance then bidder has to produce OEM documentary proof for getting required performance.</u>

g.	43		<p><u>Annexure-7</u></p> <p>Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Hardware, Software and Other items in Canara Bank</p> <p>C. Technical Specifications of Enterprise Higher Range SAN Storage (1 Nos. at DC and 1 Nos. at DRC):</p>	<p><u>21. Other Features:</u> The proposed storage system should support SNMP, Address resolution protocol, Network Time Protocol, LDAP, <u>Network Lock Manager.</u></p> <p>The Storage array should be licensed with Software to manage Primary and DR sites from a single console. Performance monitoring tools should be offered with the storage array.</p> <p>The proposed storage system shall support a browser based GUI built in management. The proposed storage should able to virtualize under VMware environment. The proposed storage should able to create multiple array pools so that same storage can be used for server virtualization and for database pools.</p>	<p><u>21. Other Features:</u> The proposed storage system should support SNMP, Network Time Protocol, LDAP.</p> <p>The Storage array should be licensed with Software to manage Primary and DR sites from a single console. Performance monitoring tools should be offered with the storage array.</p> <p>The proposed storage system shall support a browser based GUI built in management. The proposed storage should able to virtualize under VMware environment. The proposed storage should able to create multiple array pools so that same storage can be used for server virtualization and for database pools.</p>
h.	49		<p><u>Annexure-8</u></p> <p>Scope of Work</p>	<p><u>23.</u> Bidder is responsible to provide the periodic reports of the proposed solution as per the bank requirement.</p>	<p>RFP Clause 23 of Annexure-8 (Scope of Work) stands deleted.</p>
i.	49		<p><u>Annexure-8</u></p> <p>Scope of Work</p>	<p><u>25.</u> Bidder has to enable/configure event source so that the proposed solution can be integrated to Canara Bank Mail System.</p>	<p>RFP Clause 25 of Annexure-8 (Scope of Work) stands deleted.</p>
j.	49		<p><u>Annexure-8</u></p> <p>Scope of Work</p>	<p><u>38.</u> During installation if the bank requires any new Software/OS/Utility, Bidder has to install without any cost where the licenses of the software are with the Bank.</p>	<p>RFP Clause 38 of Annexure-8 (Scope of Work) stands deleted.</p>

All the other Instructions and Terms & Conditions of the above RFP remain unchanged.  
Please take note of the above Amendments while submitting your response to the subject RFP

Date: 08/07/2019  
Place: Bengaluru

  
Deputy General Manager

