



The State Trading Corporation of India Ltd.

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RFP No.: STC/MSD/IT/RFP/2014/1

Dated: 30/05/2014

Request for Proposal (RFP)

for

Implementation and Support of ICT Applications

CORRIGENDUM - II

STC received a number of queries/suggestions/views from the prospective bidders. After considering all the feedback, amendments as per ANNEXURE are made in the RFP.

All Tender Documents including the following are available at STC Website (<http://stc.gov.in/downloads/rfp-for-implementation-support-of-ict-applications.aspx>):

Section 11 : Bidding Forms - in .doc format

Section 14 : Functional Requirements (**Revised**) - in .xls format

Section 15 : Non-Functional Requirements (**New**) - in .xls format

Section 16 : Technical Specifications (**Revised**) - in .xls format

All other terms and conditions of the RFP remain unchanged.

Anand Prakash

Deputy General Manager - IT

ANNEXURE to the Corrigendum – II

S. No.	RFP Reference	Existing Text	Amended Text												
1	Page 13, Section 4.3 Proposed Applications	<p>The proposed solution must be designed making use of tools and capabilities including, inter-alia, the following:</p> <ul style="list-style-type: none"> • Document Management System • Workflow and File Tracking • Integration middleware • Identity and Access Management 	<p>The proposed solution must be designed making use of tools and capabilities including, inter-alia, the following:</p> <ul style="list-style-type: none"> • Document Management System • Workflow and File Tracking • Integration middleware • Identity and Access Management <p>The number of users specified in above table is indicative. All licenses, except for Employee Self Service, will be for use of all modules so that users of one module can also use other application modules of the envisaged solution.</p>												
2	Page 121, Section 14 Functional Requirements	<p>The bidder must respond to each specification in the excel sheet given in Appendix I: Compliance to Functional Specifications: Applications. The bidder must also provide the responses in the format given below indicating the appropriate code against each specification.</p>	<p>The bidder must respond to each specification in the excel sheet (Functional Requirement) available on STC website (http://stc.gov.in/downloads/rfp-for-implementation-support-of-ict-applications.aspx) and also enclose a printout of the same as part of the Technical Bid.</p>												
3	Page 220, Section 14.5 Intranet Portal	Intranet Portal	<p>The following functionalities are added after point 132:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Physical File Tracking</th> </tr> <tr> <th style="text-align: center;">S. No.</th> <th style="text-align: center;">Functionality</th> <th style="text-align: center;">Compliance Code</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">133</td> <td>Provide a tracking feature to monitor and record information about the location and movement of Physical Files.</td> <td></td> </tr> <tr> <td style="text-align: center;">134</td> <td>Record information about movements including: <ul style="list-style-type: none"> • unique identifier of the file; • current location as well as a user-defined number of previous locations (locations should be user-defined); • date item sent/moved from location; • date item received at location (for transfers); and • user responsible for the move (where appropriate). </td> <td></td> </tr> </tbody> </table>	Physical File Tracking			S. No.	Functionality	Compliance Code	133	Provide a tracking feature to monitor and record information about the location and movement of Physical Files.		134	Record information about movements including: <ul style="list-style-type: none"> • unique identifier of the file; • current location as well as a user-defined number of previous locations (locations should be user-defined); • date item sent/moved from location; • date item received at location (for transfers); and • user responsible for the move (where appropriate). 	
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			135	Allow both physical and electronic documents to be managed in an integrated manner by integration with Document Management System and workflow.
			136	Allow a file that is associated as a hybrid with an electronic file to use the same title and numerical reference code, but with an added indication that it is a hybrid physical file.
			137	Allow a different metadata element set to be configured for physical and electronic files; Physical File metadata must include information on the physical location of the file.
			138	Support tracking of physical files by the provision of request, manual in and out facilities that reflect the current location of the item concerned.
			139	Should have support for integrating with other tracking systems to automate the data entry for tracking the movement of such non-electronic records.
			140	Ability to generate various tracking reports
4	Page 238, Section 15 Non-Functional Requirements	15. Non-Functional Requirement	<p>15. Non-Functional Requirement</p> <p>The bidder must respond to each specification in the excel sheet (Non-Functional Requirements) available on STC website (http://stc.gov.in/downloads/rfp-for-implementation-support-of-ict-applications.aspx) and also enclose a printout of the same as part of the Technical Bid.</p> <p>The code to be used for providing Bidder responses in the column "Compliance Code" for the non-functional requirements is provided below:</p> <p>A : Functionality available</p> <p>C : Available with modification/workaround</p> <p>NA : Functionality not available;</p> <p>Please note that the response is to be entered under "Compliance Code" column. Bidders will have to only fill one column ("Compliance Code").</p>	

S. No.	RFP Reference	Existing Text	Amended Text
			Please also note that the serial no. and format of response should be exactly similar to that given in Section below.
5	Page 241, Section 16 Technical Specifications	The bidder must respond to each specification in the excel sheet given in Appendix II: Compliance to Functional Specifications: Applications. The bidder must also provide the responses in the format given below indicating the appropriate code against each specification.	The bidder must respond to each specification in the excel sheet (Technical Specifications) available on STC website (http://stc.gov.in/downloads/rfp-for-implementation-support-of-ict-applications.aspx) and also enclose a printout of the same as part of the Technical Bid.
6	Page 241, Section 16 Technical Specifications, Blade Server, Point 8 Disk Drives	Should Support 2 Nos. of SAS & 2 Nos. of SSD Disks should be supplied with 2 x 600GB 6Gbps10K SAS Hard Disk Drive	Should be supplied with 2 x 600GB 6Gbps 10K SAS Hard Disk Drives. Server should also be able to support SSD Disk Drives.
7	Page 243, Section 16 Technical Specifications, Blade Chassis, Point 4 Ethernet IO Module	Minimum 2 nos of 10Gbps Converged switch with L2 and L3(VRRP) capabilities to support 4 Ports in Dual socket server and 8 ports in quad socket Server , Should having VM ready open standards and support vNIC capabilities. The Minimum number of uplinks 10 nos- 8 x 10Gbps(Omni Ports to support 8Gbps FC and 10Gbps Ethernet & 2x 1Gbps to support legacy) needs to be populated. If vendor is providing the top of Rack switch then Proposed switch should be configured in the way so that there is no single point of failure and the total uplink bandwidth per server port is at least 10 Gbps for proposed servers. In the Switch	The chassis should have 2 Nos. (Redundant) network switches. Each switch should have a minimum of (i) 14 x 1 Gbps Downlink ports and (ii) 4 x 1 Gbps and 2 x 10 Gbps uplink ports for connecting to the data centre switch. The switch should support IPV6, full layer 3 routing and distributed trunking. The enclosure should have 12 ports redundant fiber channel SAN switch with at least 8 Gbps auto negotiating FC uplink and 8 Gbps auto negotiating downlink ports for connectivity to the external fiber channel switch and ultimately to the Storage Device.

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		total no of Ports should be Total server count ports along with additional 10 nos. of Uplink ports needs to be configured. All 1Gbps and 10Gbps uplink ports should be active and configured with necessary SFPs and cables(Minimum 5Mtr Length)																
8	Page 246, Section 16 Technical Specifications, Blade Chassis, Point 12 Support for Multiple Platform	Should provide support for multiple platforms in x86 and RISC Blade servers within the same enclosure.	Should provide support for multiple platforms (at least one of RISC/EPIC in addition to x86) within the same enclosure.															
9	Page 260, Section 16 Technical Specifications		<p>The following is added at the bottom of Section 16 (Technical Specifications):</p> <p>11. Storage Array</p> <table border="1" data-bbox="947 882 2089 1410"> <thead> <tr> <th data-bbox="947 882 1037 954">S.No.</th> <th data-bbox="1048 882 1339 954">Features</th> <th data-bbox="1350 882 1899 954">Specifications Required</th> <th data-bbox="1910 882 2089 954">Compliance Code</th> </tr> </thead> <tbody> <tr> <td data-bbox="947 954 1037 1153">1</td> <td data-bbox="1048 954 1339 1153">Operating System & Clustering Support</td> <td data-bbox="1350 954 1899 1153">The storage array should support in clustering mode all industry-leading Operating System platforms including, but not limited to, Windows Server 2008, Windows 2012, Linux etc.</td> <td data-bbox="1910 954 2089 1153"></td> </tr> <tr> <td data-bbox="947 1153 1037 1410">2</td> <td data-bbox="1048 1153 1339 1410">Capacity & Scalability</td> <td data-bbox="1350 1153 1899 1410"> The Storage Array shall be offered with 1.5TB RAW Capacity using 300GB 6G SAS drives. For effective power saving, Storage subsystem shall be supplied with 2.5" Small form factor SFF drives. However, storage subsystem shall also support LFF drives </td> <td data-bbox="1910 1153 2089 1410"></td> </tr> </tbody> </table>				S.No.	Features	Specifications Required	Compliance Code	1	Operating System & Clustering Support	The storage array should support in clustering mode all industry-leading Operating System platforms including, but not limited to, Windows Server 2008, Windows 2012, Linux etc.		2	Capacity & Scalability	The Storage Array shall be offered with 1.5TB RAW Capacity using 300GB 6G SAS drives. For effective power saving, Storage subsystem shall be supplied with 2.5" Small form factor SFF drives. However, storage subsystem shall also support LFF drives	
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					with the addition of required disk enclosures. Storage shall be scalable to 15 TB
			3	Front-end Ports	Offered Storage system shall be supplied with minimum of Dual 8 Gbps Fiber Channel ports per Controller.
			4	Back-end	Offered Storage subsystem back-end engine shall be running on latest SAS (6Gbps) loop speed or equivalent system
			5	Architecture	The storage array should support dual, redundant, hot-pluggable, active-active array Controllers for high performance and reliability
			6	No Single point of Failure	Offered Storage Array shall be configurable in a No Single Point of configuration including Array Controller card, Cache memory, FAN, Power supply etc.
			7	Disk Drive Support	Offered Storage Array shall support minimum 300/450/600 GB hot-pluggable enterprise SFF SAS hard drives. For LFF drives, offered Storage Array shall support minimum of 1/2/TB SAS drives.
			8	Cache	Offered Storage Array shall be given with Minimum of 4GB cache per Controller in a single unit after removing the operating system overhead. Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology.

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			9	Raid Support	Offered Storage Subsystem shall support Raid 0, 1 , 1+0, 5, 5+0 and Raid 6 with Dual Parity Protection	
			10	Point in time and clone copy	Offered Storage array shall be configured with array based Snapshot and clone functionality and shall be configured for minimum of 32 snapshot licenses. Offered Storage array shall support at-least 128 point in time copies (Snapshots).	
			11	Replication	Offered storage subsystem shall support storage based replication to DR location.	
			12	Global and dedicated Hot Spare	Offered Storage Array shall support Global hot Spare for offered Disk drives. Atleast 2 Global hot spare drive shall be configured for every 30 drives. Storage subsystem shall also have the flexibility to assign dedicated spare for raid sets.	
			13	Logical Volume	Storage Subsystem shall support minimum of 512 Logical Units. Storage Array shall also support creation of more than 10TB volume at controller level.	
			14	Load Balancing & Multi-path	Multi-path and load balancing software shall be provided, if vendor does not support MPIO functionality of Operating system.	
			15	General	The storage should be from the same server OEM or from the storage OEMs presently in Gartner's Leader Quadrant.	