



बैंक ऑफ महाराष्ट्र
Bank of Maharashtra

भारत सरकार का उद्यम

एक परिवार एक बैंक

CORRIGENDUM

Please refer to RFP 032021 published on **24.08.2021** inviting proposal from eligible bidders for **Supply, Installation, and Maintenance of Security Solutions**. The corrigendum & reply to pre-bid queries are available on Bank's website <https://www.bankofmaharashtra.in> in the Tenders Section.

Deputy General Manager
Information Technology Department



22.09.2021

CORRIGENDUM

Please refer to RFP 032021 published on **24.08.2021** inviting bids for **Supply, Installation, and Maintenance of Security Solutions.**

Following correction be read in the tender document.

1. Change in timelines for Bid submission enclosed in Annexure – 1.
2. Amendment in clauses in RFP. The amendments are enclosed as Annexure-I.
3. Due to present lockdown situation arising out of outbreak of COVID-19, the bid submission mode is changed from physical to online.

The online bid submission will be through E-Procurement Technologies Ltd. (URL - <https://eauction.auctiontiger.net/EPROC/>). Bidder manual is also available on the same site.

(Shirish Salway)
Deputy General Manager
Information Technology Department



Annexure I

1. Page No. 12: Invitation to the Tender :

Important Information regarding Bid Submission

RFP Term/Clause no. Invitation of the Tender	As per previous Timelines	Revised Timelines
Last Date for Submission of Bid	24.09.2021 14:00 Hrs	04.10.2021 14:00 Hrs
Time and Date for Opening of Technical Bid	24.09.2021 16:00 Hrs	04.10.2021 16:00 Hrs

Note:- Except above clause, there is no other change in information regarding Bid submission date.

2. Amendment in clauses in RFP:

S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
1	24	4.1.4	<p>The Bidder must ensure that quoted Software should not be end of sale within 12 months of supply to the Bank. Bidder shall also ensure that no component is declared either End of Support, End of Life during tenure of the contract. In case the bidder/ OEM fails to give the above data for any specific component, and later on, any specific component is found to have date of end of sale/ support/ life which falls before the end date of the contract the bidder will have to replace / upgrade the component free of cost with the latest workable component. Bidder is required to submit the declaration from the OEM to that effect.</p> <p>In case, the bidder fails to replace/ upgrade the component within 3 months from the date of declaration by OEM (even when the Bank notices it later) then that will be</p>	<p>Please read the clause as "The Bidder must ensure that quoted Software should not be end of sale within 12 months of supply to the Bank. Bidder shall also ensure that no component should reach either End of Support, End of Life during tenure of the contract. In case the bidder/ OEM fails to give the above data for any specific component, and later on, any specific component is found to have date of end of sale/ support/ life which falls before the end date of the contract the bidder will have to replace / upgrade the component free of cost with the latest workable component. Bidder is required to submit the declaration from the OEM to that effect.</p> <p>In case, the bidder fails to replace/ upgrade the component within 3 months from the date of declaration by OEM (even when the Bank notices it later) then that will be considered as breach of contract and the bidder will be liable to legal prosecution including</p>



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
			considered as breach of contract and the bidder will be liable to legal prosecution including termination of the contract. Additionally, till the time the component is replaced, the bidder shall be liable for penalty as per SLA clause from the date of declaration by OEM.	termination of the contract. Additionally, till the time the component is replaced, the bidder shall be liable for penalty as per SLA clause from the date of declaration by OEM."
2	45	5.1.2 Price bid	5.1.2.3 The prices quoted by the bidder shall include all applicable costs and taxes like GST, customs duty, excise duty, import taxes, freight, forwarding, insurance, delivery, installation, training etc. at the respective delivery location of the bank but exclusive of applicable Octroi /Entry Tax / equivalent local authority cess, which shall be paid/ reimbursed on actual basis on production of bills.	Please read the clause as " The prices quoted by the bidder shall excluding taxes like GST, customs duty, excise duty, import taxes, freight, forwarding, insurance, delivery, installation, training etc. at the respective delivery location of the bank and applicable Octroi /Entry Tax / equivalent local authority cess, which shall be paid/ reimbursed on actual basis on production of bills.
3	152	Annexure 5: Eligibility Criteria Compliance	The bidder should have on experience of implementation of similar technology implemented on premises mode under RFP in at least 2 companies from BFSI Sector with minimum Endpoints/Devices/ Database instances (DLP – 7500, DICT – 7500, DAM-100, EE-750, PMS- 7500, EDR-7500, FRA – Minimum 4 Firewall, SSLO – No minimum count, but experience for implementation should be in line with technical specification.) In case Bidder is bidding for multiple solutions, the above clause would be separately applicable for each of the solution.	Please read clause as " The bidder should have experience of implementation of similar technology implemented on premises mode under RFP in at least 2 companies from BFSI Sector. In which one should be implemented with minimum Endpoints/Devices/ Database instances (DLP – 7500, DICT – 7500, DAM-100, EE-750, PMS- 7500, EDR-7500, FRA – Minimum 4 Firewall, SSLO – No minimum count, but experience for implementation should be in line with technical specification.) In case Bidder is bidding for multiple solutions, the above clause would be separately applicable for each of the solution."



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4	32	4.4 Database Activity Monitoring Solution (DAM)	25) Solution can be either software based or appliance based. In case of software based solution, the bidder shall size, supply and maintain the required hardware	Please read clause as " Solution can be either software based or appliance based. In case of software based solution, the bidder has to provide sizing requirement with consideration of 5 year growth .
5	136	Solution Requirement, Point 3	Licenses if any to be perpetual & included as per the following requirement:- Firewalls in Active/Passive mode – 07 Clusters Internet Proxy - 1 Cluster Security Routers- 04 HSRP pairs Total Count of Generic network devices for completing the network topology - 50 (Includes ACI switches). The proposed tool hardware must be easily scalable to support up to 100 devices integration.	Please read clause as " Licenses if any to be perpetual/Subscription & included as per the following requirement:- Firewalls in Active/Passive mode – 07 Clusters Internet Proxy - 1 Cluster Security Routers- 04 HSRP pairs Total Count of Generic network devices for completing the network topology - 50 (Includes ACI switches). The proposed tool hardware must be easily scalable to support up to 100 devices integration.
6	122	4/Management of Agents	Allow console users to initiate ad-hoc (on-the-fly) custom inventory collections for the agents.	Please read the clause as " Allow console users to initiate ad-hoc (on demand) custom inventory collections for the agents."
7	88	18	The solution should be able to define the policies for the inside and out of office endpoint machines.	The revised clause is " The solution should be able to define the Separate policies for the inside and out of office endpoint machines."
8	90	32	Proposed Solution should be able to detect malicious dissemination, Password Protected and encrypted Files. Also detect the web uploads over the Dark Web sites.	Please read the clause as " Proposed Solution should be able to detect malicious dissemination, Password Protected and encrypted Files. Also detect the web uploads.
9	90	34	Proposed solution should support web-based file crawling HTTP, FTP, SFTP & HTTPS without having to install any software on servers to be scanned.	Please read the clause as "Proposed solution should support file crawling for data discovery without having to install any software on file servers to be scanned. "



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
10	95	84	Agent should not appear in —System Tray, and obfuscated in Services and Task Manager. Agent or its service/associated service components cannot be removed by anyone from the endpoint except DLP administrator. Solution must offer clean removal of agent mechanism in case if agent components are corrupted and not removable by DLP administrator.	Please read the clause as "Agent or its service/associated service components cannot be removed by anyone from the endpoint except DLP administrator. Solution must offer clean removal of agent mechanism in case if agent components are corrupted and not removable by DLP administrator."
11	95	87	Proposed Solution should have Load-balancer and firewall friendly architecture to support Agents-Server communicating over public networks	Proposed solution should have capability to enable communication of agents which are outside corporate network
12	102	162	The proposed solution should provide Incident Workflow capabilities where policy owner or its reporting manager can remediate the DLP policy violations to release/block the violated emails at DLP (Host or Network or any other means) level only with/without logging into the DLP console.	Please read the clause as - The proposed solution should provide Incident Workflow capabilities where a designated DLP incident manager can remediate the DLP policy violations to release/block the violated emails at DLP (Host or Network or any other means) level only with/without logging into the DLP console.
13	33	4.4.7	46) The solution should be retaining all logs in Banks DC and DR site and retention should be 3 Months Online and 24 Months offline.	The solution should be retaining all logs in Banks DC and DR site and retention should be 3 Months Online and offline as per bank backup policy.
14	144	4 (SSLO)	The Appliance should support 6x1GbE copper ports, 2x10GbE SFP+ ports (SX Fiber incl.) populated with required SFP module from day 1.	The Appliance should support 10x1/10GbE copper ports/SFP+ ports (SX Fiber incl.) populated with required SFP module from day 1.
15	144	5 (SSLO)	The solution should support a minimum 50,000 SSL TPS for RSA 2048 bit key and 30,000 SSL TPS for ECC.	The solution should support a minimum 50,000 SSL TPS for RSA 2048 bit key and 25,000 SSL TPS for ECC.



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
16	144	19 (SSLO)	System should have capability to bypass traffic in case of hardware failure.	RFP Clause removed
17	80	8. Payment Terms	Payment terms for Hardware included	Clause added under Payment clause 8 "Hardware Cost i) 80% of the delivered Proposed solution equipment cost would be payable on successful post-delivery of the respective Proposed solution equipment. ii) 20% of the delivered equipment cost would be payable after sign-off of the solution.
18	145	23	System must support SNMP, Syslog, email alerts, NetFlow v9 and v10 (IPFIX), sFlow	System must support SNMP, Syslog, email alerts
19	33	Detailed Scope of work -> 4.5 Endpoint Encryption scope	The Bank intends to procure Endpoint Encryption solution to be used for Laptops, tablets, mobile devices and critical desktops used by the Bank's end-users.	Please read the revised clause as " The Bank intends to procure Endpoint Encryption solution to be used for Laptops, removable devices and desktops used by the Bank's end-users.
20	28	4.2.4	The proposed DLP solution shall have the minimum following features: a) Identify data leakage across all vectors, irrespective of policy being in place or not b) Protect data c) Have flexible control over Remediation of Data Leakage d) Ease of Use and Quick to Deploy	Please read the revised clause as " The proposed DLP solution shall have the minimum following features: a) Identify data leakage across all vectors b) Protect data c) Have flexible control over Remediation of Data Leakage d) Ease of Use and Quick to Deploy
21	29	4.2.10	There shall be adequate audit trail capability to identify drift in the document and all the relevant details like who made what changes and change details.	RFP Clause removed



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
22	88	22	<p>Proposed solution should monitor/block data copied to removable storage devices (USB, Firewire, SD, Thunderbolt on MAC , MTP on Windows, eSATA and compact flash cards)</p> <p>Monitor/block data copied to CD/DVD</p> <p>Monitor/block corporate email via Microsoft Outlook.</p> <p>Monitor/block HTTP transmissions</p> <p>Monitor/block HTTPS transmissions via Microsoft Edge, Internet Explorer, Mozilla Firefox, Safari or Google Chrome</p> <p>Monitor/block FTP & SFTP transmissions</p> <p>Monitor/block or exclude detection (by printer name) of data sent to local or network printer</p> <p>Monitor/block data sent to a local or networked fax</p> <p>Monitor/block cut, copy or paste actions</p> <p>Monitor/block data copied to or from network file shares via Windows Explorer.</p> <p>Monitor/block data copied to network file shares from MAC clients.</p> <p>Monitor/block data copied through Conventional Remote Desktop Protocol (RDP), RDP through PIM Application & Dameware Mini Remote Control</p> <p>Monitor/block use of confidential data by defined applications, including unauthorized encryption tools, Instant Messaging programs and apps with proprietary protocols. Out-of-the-box coverage for Webex,</p>	<p>Please read the clause as "</p> <p>Proposed solution should Monitor/block data copied to removable storage devices (USB, Firewire, SD, Thunderbolt on MAC , MTP on Windows, eSATA and compact flash cards)</p> <p>Monitor/block data copied to CD/DVD</p> <p>Monitor/block corporate email via Microsoft Outlook.</p> <p>Monitor/block HTTP transmissions</p> <p>Monitor/block HTTPS transmissions via Microsoft Edge, Internet Explorer, Mozilla Firefox, Safari or Google Chrome</p> <p>Monitor/block FTP & SFTP transmissions</p> <p>Monitor/block or exclude detection (by printer name) of data sent to local or network printer</p> <p>Monitor/block data sent to a local or networked fax</p> <p>Monitor/block cut, copy or paste actions</p> <p>Monitor/block data copied to network file shares via Windows Explorer. Monitor/block data copied to network file shares from MAC clients.</p> <p>Monitor/block data copied through Conventional Remote Desktop Protocol (RDP), RDP through PIM Application & Dameware Mini Remote Control</p> <p>Monitor/block use of confidential data by defined applications, including unauthorized encryption tools, Instant Messaging programs and apps with proprietary protocols. Out-of-the-box coverage for Webex, LiveMeeting, Gotomeeting, Bluetooth and iTunes</p> <p>Monitor/blocks Microsoft Office 2013/2016 file formats for detection, including the default formats for Microsoft Access,</p>



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
			<p>LiveMeeting, Gotomeeting, Bluetooth and iTunes Monitor/blocks use of Lotus Notes 9.0 and above (check for endpoint). Monitor/blocks Microsoft Office 2013/2016 file formats for detection and application monitoring, including the default formats for Microsoft Access, Excel, OneNote, Outlook, PowerPoint, Project, Publisher, and Word. Monitor/block policy violations based on metadata Monitor/block —save as operations from Microsoft Office applications (Word, Excel, and PowerPoint) & Lotus Notes 9.0 and above to Box on Windows endpoints Monitor/block Save operations from Outlook (versions 2013 and 2016) using the Box for Office add-in</p>	<p>Excel, OneNote, Outlook, PowerPoint, Project, Publisher, and Word. Monitor/block policy violations based on metadata"</p>
23	89	26	<p>Endpoint solution should support win 32 and 64 bit OS, Mac & Linux OS,Support wide variety of platforms(Below support from Day1):Windows 7, Windows 8.1, Windows 10 and latest versions, Windows server 2008 and above latest versions, Mac OS X - 10.11.X,10.12.x, Red Hat Linux/Cent OS , VDI (Citrix and VMWare)</p>	<p>Please read the clause as " Endpoint solution should support win 32 and 64 bit OS, Mac OS,Support wide variety of platforms(Below support from Day1):Windows 7, Windows 8.1, Windows 10 and latest versions, Windows server 2008 and above latest versions, Mac OS X - 10.11.X,10.12.x, "</p>
24	90	31	<p>Proposed solution should conduct searches for content indexed during the following: i. Data-at-rest/motion/in-use based on keywords ii. Data-at-rest/motion/in-use based on document type iii. Data-at-rest/motion/in-use</p>	<p>Please read the clause as " Proposed solution protect content indexed: i. motion/in-use based on keywords ii. motion/in-use based on document type iii. motion/in-use based on file types"</p>



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			based on file owner, path, or age.	
25	90	32	Proposed Solution should be able to detect malicious dissemination, Password Protected and encrypted Files. Also detect the web uploads over the Dark Web sites.	Please read the clause as " Proposed Solution should be able to detect malicious dissemination, Password Protected and encrypted Files. Also detect the web uploads.
26	91	42	Proposed solution should be capable to define monitoring filters for copy to network shares from Mac and Windows endpoints and from network shares to Windows local drives.	Please read the clause as " Proposed solution should be capable to define monitoring filters for copy to network shares from Mac and Windows endpoints.
27	91	45	Proposed solution should have ability to prevent printing of Microsoft Office documents if they contain sensitive information, regardless of whether a particular printing job does not include the sensitive portion.	Please read the revised clause as "Proposed solution should have ability to prevent printing of Microsoft Office documents if they contain sensitive information"
28	95	79	Agent should have the ability to Monitor and whitelist Windows Store applications	RFP Clause removed
29	95	84	Agent should not appear in —System Tray, and obfuscated in Services and Task Manager. Agent or its service/associated service components cannot be removed by anyone from the endpoint except DLP administrator. Solution must offer clean removal of agent mechanism in case if agent components are corrupted and not removable by DLP administrator.	Please read the clause as "Agent or its service/associated service components cannot be removed by anyone from the endpoint except DLP administrator. Solution must offer clean removal of agent mechanism in case if agent components are corrupted and not removable by DLP administrator."



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30	99	130	Proposed Solution should be able to identify sensitive data pattern generated by malware infected PC in order to prevent future data leakage.	DLP solution should be able to identify and block sensitive data regardless of the status of the client machine (infected or clean) to prevent future data leakage.
31	100	145	Proposed solution should have printer agents for print servers to detect data leaks over print channel.	Please read the clause as "Proposed solution should have endpoint agents which can detect data leaks over the print channel"
32	131	33	The proposed solution must provide continuous detection and response activities for advanced threats and allow to inspect and analyse present and past alerts at the endpoint	The proposed solution must provide continuous detection ,response & block (automatic & Manual) activities for advanced threats and allow to inspect and analyse present and past alerts at the endpoint
33	131	45	Solution should be able to detect & respond to malicious payload identified based on behaviour analysis.	Solution should be able to detect , respond & block (Automatic & Manual) to malicious payload ,process identified based on behaviour analysis.
34	131	46	The solution must be able to automatically detect & respond to exploited applications along with payload information .The same should also to be notified to user.	The solution must be able to automatically detect ,respond & block (Automatic & Manual) to exploited applications along with payload information .The same should also to be notified to user.
35	133	60	Hunting and Search features across endpoints should be available around key metrics interesting for Security Analysts such as file and process paths and names, file and registry modifications, network connections, child processes and module loads, MD5 or SHA-256 hash of files, publisher details, threat intel feeds, bulk IOCs, JA3 and JA3S fingerprints and other parameter for search.	Hunting and Search features across endpoints should be available around key metrics interesting for Security Analysts such as file and process paths and names, file and registry modifications, network connections, child processes and module loads, MD5 or SHA-256 hash of files, publisher details, threat intel feeds, & bulk IOCs, fingerprints and other parameter for search



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
36	134	68	Solution should have the capability to detect & respond to the Zero-day exploits.	Solution should have the capability to detect ,respond & block (Automatic & Manual) the Zero-day exploits.
37	135	76	The solution should have built-in capabilities to detect and respond to Zero-Day exploits & hash banning functionality	The solution should have built-in capabilities to detect,respond & block (Automatic & Manual) to Zero-Day exploits & hash banning functionality
38	119	Point 7/ 1.5 (PMS):	PKI security mechanisms must be built into the solution, not requiring the purchase of third-party digital certificates.	The clause is removed
39	25	4.1.14	Bidder should specify storage solution I technical bid such that the storage never crosses threshold of 80% of total capacity. Central device should store minimum 6-month access/application logs on internal storage.	Bidder should specify storage solution I technical bid such that the storage never crosses threshold of 80% of total capacity. Central device should store minimum 3-month access/application logs on internal storage and offline as per bank backup policy.
40	111	1.3 Technical and Functional Requirements for Database Monitoring Solution (DAM) : -	<p>Technical Requirements (DAM)</p> <p>1-The solution should be Database agnostic and should support atleast the following databases</p> <p>1.1-Oracle 8i, 9i, 10g, 11g,12c</p> <p>1.2-SQL Server 2000, 2005, 2008 and higher versions</p> <p>1.3-Sybase</p> <p>1.3-MySQL</p> <p>1.5-IBM DB2</p> <p>1.6-PostgreSQL</p> <p>1.7-Other (specify)</p> <p>2-The solution should support on the following OS platforms atleast:</p> <p>2.1-IBM AIX</p> <p>2.2-Windows 2008, 2012, 2016 and above.</p> <p>2.3-Red Hat Enterprise Linux</p> <p>2.4-SUSE Linux Enterprise</p> <p>2.5-HPUX</p>	<p>Please read the clause as"</p> <p>Technical Requirements (DAM)</p> <p>1-The solution should be Database agnostic and should support atleast the following databases</p> <p>1.1-Oracle 10g, 11g,12c , 19c and Higher Version(Including Oracle RAC/Grid/ASM/DG/ADG)</p> <p>1.2-SQL Server 2000, 2005, 2008,2012 and higher versions</p> <p>1.3-Sybase/MongoDB/SAP HANA for all version</p> <p>1.3-MySQL for all version</p> <p>1.5-IBM DB2 for all version</p> <p>1.6-PostgreSQL for all version</p> <p>1.7-Other (specify)</p> <p>2-The solution should support on the following OS platforms atleast:</p> <p>2.1-IBM AIX for all version</p> <p>2.2-Windows 2008, 2012, 2016 and higher versions.</p> <p>2.3-Red Hat Enterprise Linux for all version</p>



S. No.	Page	Point / Clause	Clarification point as stated in the tender document	Modified Clause
			2.6-Solaris - SPARC 2.6-Ubuntu	2.4-SUSE Linux Enterprise for all version 2.5-HPUX for all version 2.6-Solaris - SPARC/CentOS for all version 2.6-Ubuntu for all version

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