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Request for Proposal (RFP) for "Selection of System Integrator for Implementation, Maintenance and Facility Management for System Security Tools for Cyber Security Operation Centre (C-SOC)"

RFP REF NO: DIT/BPR & BTD/OA/1201/2020-21 Date: 24/08/2020

Amendments, Addendums and Corrigendum's

Addendum

Part-2 RFP Document

Annexure- A Solution/Requirements

P) New Web Application Firewall

New Web Application Firewall		
Sl No	**Solution/Requirement Description**	**Compliance (Yes/no)**
P.1	WAF should support both inline bridge and reverse proxy mode of deployment. It must support HA. If inline mode, it should support bypass	
P.2	The Web application firewall should address Open Web Application Security Project (OWASP) Top Ten 2017/2020 security vulnerabilities such as SQL Injection, Cross-Site Scripting (XSS), Broken Authentication and Session Management, etc.	

P.3	The solution should prevent the following attacks (but not limited to): Brute force Access to predictable resource locations Unauthorized navigation Web server reconnaissance HTTP request format and limitation violations (size, unknown method, etc.) Use of revoked or expired client certificate File upload violations	
P.4	Should have DLP features to identify and block sensitive information such as credit card numbers, PAN Numbers, Aadhar Numbers	
P.5	Should support positive and negative security model	
P.6	The ability of caching, compression of web content and SSL acceleration are preferred. However non-availability of the same should not be a performance bottleneck.	
P.7	Should have integrated SSL Offloading capabilities, further the solution should support SSL and/or TLS termination, or be positioned such that encrypted transmissions are decrypted before being inspected by the WAF.	
P.8	Should meet all applicable PCI DSS requirements pertaining to system components in the cardholder data environment, should also monitor traffic carrying personal information	
P.9	Should have the ability to inspect web application output and respond (allow, block, mask and/or alert) based on the active policy or rules, and log actions taken.	
P.10	Should inspect both web page content, such as Hypertext Markup Language (HTML), Dynamic HTML (DHTML), and Cascading Style Sheets (CSS), and the underlying protocols that deliver content, such as Hypertext Transport Protocol (HTTP) and Hypertext Transport Protocol over SSL (HTTPS). (In addition to SSL, HTTPS includes Hypertext Transport Protocol over TLS.)	
P.11	WAF should support dynamic source IP blocking and should be able to block attacks based on IP source	
P.12	Should inspect Simple Object Access Protocol (SOAP) and extensible Markup Language (XML), both document- and RPC-oriented models, in addition to HTTP (HTTP headers, form fields, and the HTTP body).	
P.13	WAF should support both inline bridge and proxy mode of deployment.	

P.14	Actions taken by WAF to prevent malicious activity should include the ability to drop requests and responses, block the TCP session, block the application user, or block the IP address.	
P.15	Transactions with content matching known attack signatures and heuristics based should be blocked.	
P.16	The WAF database should include a preconfigured comprehensive and accurate list of attack signatures.	
P.17	The Web application firewall should allow signatures to be modified or added by the administrator.	
P.18	The Web application firewall should support automatic updates (if required) to the signature database, ensuring complete protection against the latest application threats.	
P.19	WAF should be able to restrict traffic both on the basis of number of files in a request and the size of the file in a request.	
P.20	WAF support the following normalization methods: URL-decoding (e.g. %XX) Null byte string termination Self-referencing paths (i.e. use of /. / and encoded equivalents) Path back-references (i.e. use of /.../ and encoded equivalents) Mixed case Excessive use of whitespace Comment removal (e.g. convert DELETE/**/FROM to DELETE FROM) Conversion of (Windows-supported) backslash characters into forward slash characters. Conversion of IIS-specific Unicode encoding (%uXXYY) Decode HTML entities (e.g. c, ', a) Escaped characters (e.g. \t, \001, \xAA, \uAABB)	
P.21	WAF should support different policies for different application sections	
P.22	The Web application firewall should automatically learn the Web application structure and elements	
P.23	The Web application firewall learning mode should be able to recognize application changes as and when they are conducted	
P.24	The WAF should have the ability to perform behavioral learning to examine traffic and highlight anomalies and provide recommendations that can be turned into actions such as apply, change and apply, ignore etc.	

P.25	The Web application firewall should support line speed throughput and sub-millisecond latency so as not to impact Web application performance.	
P.26	For SSL-enabled Web applications, the certificates and private/public key pairs for the Web servers being protected need to be up loadable to the Web application firewall.	
P.27	The Web Application Firewall should have "anti automation" protection which can block the automated attacks that use hacking tools, scripts, frame work etc.	
P.28	The Web application firewall Appliance should have an out-of band management port and minimum 6 Ethernet interfaces.	
P.29	The Web application firewall should support web based centralized management and reporting for multiple appliances.	
P.30	Bank should be able to deploy the Web application firewall and remove the Web application firewall from the network with minimal impact on the existing Web applications or the network architecture.	
P.31	The Web application firewall should be able to integrate with web application vulnerability assessment tools (Web application scanners)	
P.32	WAF should integrate with other major SIEM tools and specifically should support Arcsight tool current and future versions	
P.33	The Web application firewall should be able to generate custom or pre-defined graphical reports on demand or scheduled.	
P.34	The Web application firewall should provide a high level dashboard of system status and Web activity.	
P.35	Should be able to generate comprehensive event reports with filters: a. Date or time ranges b. IP address ranges c. Types of incidents d. Geo Location of attack source d. Other (please specify).	
P.36	The following report formats are deemed of relevance: Word/RTF/HTML/PDF/XML etc.	
P.37	Unique transaction ID should be assigned to every security violation and included with every log message.	

P.38	Access logs can periodically be uploaded to the logging server (e.g. via FTP, SFTP, WebDAV, or SCP).	
P.39	Web application firewall should provide notifications through Email, Syslog, SNMP Trap, Notification via HTTP(S) push etc.	
P.40	WAF should be able to log full session data once a suspicious transaction is detected.	
P.41	Should be simple to relax automatically-built policies	
P.42	The solution should provide the admin to manually accept false positives	
P.43	Should be able to recognize trusted hosts	
P.44	Should support clustered deployment of multiple WAFs sharing the same policy.	
P.45	The solution should support virtual environments	
P.46	The solution should support all operating systems and their versions including but not limited to Windows, AIX,Unix, Linux, Solaris, HP Unix	
P.47	WAF should be able to restrict traffic from blacklisted/potentially dangerous sources such as phishing urls, known botnets , malicious Ips etc. Through the use of reputation services.	
P.48	WAF Should be able to identify application users involved in attacks directed towards the application	
P.49	The solution must be able to inspect HTTP requests and responses.	
P.50	The solution profiling learning mode must be able to recognize changes to the web application and simultaneously protect web applications at the same time.	
P.51	The solution must be able to learn and create profile and in parallel should protect application by blocking malicious requests using negative security model based policies.	
P.52	The solution must be able to track and monitor web application users. This user tracking mechanism must be automated, with no changes to the existing application or authentication scheme.	
P.53	The solution must support masking of sensitive data in alerts.	
P.54	System should support 5 Gbps L7 throughput	
P.55	System should support minimum of 20000 SSL CPS/TPS with minimum 2K bit key	
P.56	System should support TLS1.2 and above	

P.57	The hardware should have minimum 4X1G interfaces and 2x10G (fibre with SFP module)	
P.58	System should be capable to handle IPv4 to IPv6 translation and must be IPv6 ready	
P.59	Proposed WAF should have facility to monitor security logs on real time.	
P.60	Proposed OEM WAF must be deployed in at least 1 BFSI in last 3 year	
P.61	The bidder has to give certificate (OEM letter head duly signed by authorized signatory) from OEM for back to bank support for proposed WAF for period of 5 years. Bidder should update/upgrade patches/operating system of proposed WAF during contract period as per OEM recommendation.	
P.62	Bidder should integrate proposed WAF with Bank network & other network/security devices as per requirement during implementation time.	
P.63	Proposed WAF should be appliance based solution. Bidder should quote all necessary Hardware & Related Software as per Scope of Work.	

Annexure-F Technical Bill of Material

1. Tools

Solution	Devices / Endpoints to be covered	Number of Devices at DC	Number of Devices at DR	Appliance Make/ Model	Version	CPU	Memory	Hard Disk	Licensing Details	Warranty	AMC Details
Network Access Control (NAC)	24000 devices including desktops/ Laptops/ ATMs										
Endpoint Data Loss Prevention (DLP)	22000 end points										
Automated Vulnerability Assessment Scanners (VAS)	500 devices										
IT-Governance, Risk & Compliance (IT-GRC)											
Anti-Advanced Persistent Threat (APT)		———	2								
Network Policy Management Solution	Core Firewall -15 Pairs. (with cluster)										

Solution	Devices / Endpoints to be covered	Number of Devices at DC	Number of Devices at DR	Appliance Make/ Model	Version	CPU	Memory	Hard Disk	Licensing Details	Warranty	AMC Details
	Core Router – 4 nos. Core Switches – 8 + 38 nos.										
Decoy Solution	2 (Solution)										
WAF			2								

Any other tools/ solution required (Use as many lines as required)													
Module	Product Details	No of Devices at DC	No of Devices at DR	Hardware			Software						
				CPU	Memory	Hard Disk Size	Purpose	Version Detail	Licensing Details	Database	OS	Warranty	AMC Details

2. Arc Sight Hardware(CPU, Memory and Hard Disk), OS, and Application

Solution	Required Number of Devices at		Appliance Make/ Model			CPU			Memory			Hard Disk			OS Version			Application		
	DC	DR																		
			Present	**Required**	**Proposed**	**Present**	**Required**	**Proposed**	**Present**	**Required**	**Proposed**	**Present**	**Required**	**Proposed**	**Present**	**Required**	**Proposed**	**Present**	**Required**	**Proposal**
ArcSight (ESM)	1	1	HP ProLiant BL460c G7	As per the Specification of CPU, Memory , Hard Disk mentioned in this table		Intel(R) Xeon(R) CPU E5640 @ 2.67GHz	32 CORE		64 GB	256GB		1TB	2TB (After Raid 5 configuration)		Red Hat Enterprise Linux Server release 6.7 (Santiago)	RHEL 7.7 or above		ESM VERSION 6.8.0	ESM 7.2.1 (N-1) and above	As per OEM'S ATS the link will be provided through the application can be downloaded
ArcSight (Connector)	2	2	HP ProLiant BL460c G7	As per the Specification of CPU, Memory , Hard Disk mentioned in this table		Intel(R) Xeon(R) CPU E5640 @ 2.67GHz	16 CORE		16gb	128GB		420GB	1TB (After Raid 5 configuration)		Windows 2008	Windows 2016 or later		Smart cone-ctor agent 7.1,7.3,7.6,7.10,7.14	Ver. 7.15 and later compa-tible with ESM version.	

Please Note the following:

- The end of Hardware support of ArcSight Connector Servers including OS at BDC and KDC is upto 31-12-2020 with the current vendor.
- The end of Hardware support of ArcSight ESM Servers excluding OS at BDC and KDC is upto 31-12-2020 with the current vendor.
- **ATS of ArcSight at KDC and BDC is upto 30-06-2023 with OEM Micro Focus.**

3. Existing SOC Tools Hardware, Software, End of Support, End of ATS

S.NO.	Module	DC	DR	Software Description (O.S,Versions etc)	Hardware Description	End of support by OEM(hardware)	End of ATS	Requirement
1	MX FOR WAF AND DAM	2	1	13.5.0.10 (Hardened Linux)		SecureSphere M110-25th oct-2022, X2510,X4510-JULY 6,2025	30-04-2021	The SecureSphere appliance M110 is having end of support by OEM. This should be replaced with appliance of model compatible with X2510 and X4510 after the end of support.
2	WAF Gateway	2	2	13.5.0.10 (Hardened Linux)	Model:-X4510, CPU:-Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz, RAM:- 32 GB		30-04-2021	
4	DAM Gateway	3	3	13.5.0.10 (Hardened Linux)	Model:-X2510, CPU:-Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz, RAM:- 16 GB		30-04-2021	
5	NBA(FS)	1	1	6.10.5 (Hardened Linux)	StealthWatch Flow Sensor PowerEdge R220, RAM:- 16 GB	31-12-2022	30-06-2021	This product needs the upgrade of hardware and subscriptions.
6	NBA(FC)	1	1	6.10.5 (Hardened Linux)	PowerEdge R620, 8 CPUs x Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz, RAM : 32GB	Dell Servers contract by May-2021	30-06-2021	Contract has to be renewed w.e.f. June-2021
7	NBA (SMC)	1	1	6.10.5 (Hardened Linux)	PowerEdge R620, 8 CPUs x Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz, RAM : 32GB	Dell Servers contract by May-2021	30-06-2021	Contract has to be renewed w.e.f. June - 2021. The existing licence is of 25k flows per second. The renewal should have the provision of 30k flows per second.

8	NBA (Identity)	1	1	6.10.5 (Hardened Linux)	Stealthwatch Identity 1100, RAM : 2GB	31-Jan-22	30-06-2021	This has to be integrated with SMC. It will be part of NBA and need to be replaced with a model, which supports the SMC mentioned above.
9	PIM	6	6	9.7.0 (Windows 2012R2)	Model:- Dell PowerEdge R620, CPU:-Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz(8CPUs), RAM:- 32GB	Dell servers contract by May-2021	30-06-2021	Renewal of Hardware Contract is needed. Renewal of support of Cyberark software with provision of PSM and User Licence.
10	APT at BDC	2	0	8.3.1.873481 (Hardened Linux)	Model:- NX2400, RAM:- 16 GB	EOL on 31-12-2021	09-04-2021	This Device needs to be replaced with an appliance higher than 100 mbps.

Note: The Bidder should renew the ATS of the individual Solution Devices at the end of the support of each Solution which should include hardware AMC also excluding Devices mentioned in Point no's 1,5,8 and 10.

4. Man-power requirement

Sl No	Minimum Manpower Requirement	Bidder's Quote
A	Level 1 Resource - 24 * 7 * 365 monitoring from Bank's SOC location at Kolkata - Minimum 4 no. of seats each in shifts from 6AM to 2PM and 2 PM to 10 PM - Minimum 2 no. of seats during 10 PM to 6 AM	
B	Level 2 Resource - Minimum 1 no. of seat each in shifts from 6AM to 2PM and 2 PM to 10 PM from Monday to Saturday - Minimum 1 no. of seat during 10 AM to 6 PM on Sunday's and Bank holidays	
C	Level 3 Resource - Minimum 1 no. of seat during 10 AM to 6 PM from Monday to Saturday except Sunday's and Bank Holidays In case of exigencies or as and when Bank requires, L3 resource should be available on Sundays and Bank's Holidays as well.	

Annexure – X : Commercial Format

RFP for the Implementation, Maintenance and Facility Management for System Security Tools for Cyber Security Operation Centre (C-SOC) vide RFP Ref No.: DIT/BPR & BTD/OA/1201/2020-21 Date: 24/08/2020

Commercial Format - Bill of Materials in Indian Rupees (INR)

Cost for Application, Software & Hardware based on the scope of work & solutions/requirements mentioned in the RFP

Table A	Hardware Cost with 3 years warranty for new SOC Tools						
Sl. No	Solution	Devices / Endpoints to be covered	Devices/Hardware with make and model	Qty (a)	Unit Price (b)	%Taxes (c)	Total Price without Tax (d) = (a) * (b)
1	Network Access Control (NAC)	24000 devices including Desktops / Laptops / ATMs	A.				
			B.				
			. .				
2	End Point Data Loss Prevention (DLP)	22000 end points	A.				
			B.				
			. .				
3	Automated Vulnerability Assessment Scanners (VAS)	500 devices	A.				
			B.				
			. .				
4	IT-Governance, Risk & Compliance (IT-GRC)		A.				
			B.				
			. .				
5	Anti-Advanced Persistent Threat (APT)	2 device at DR	A.				
			B.				

6	Network Policy Management Solution	Core Firewall -15 Pairs. (with cluster) Core Router – 4 nos. Core Switches – 8 + 38 nos.	A.				
			B.				
			. .				
7	Decoy Solution	2 solutions	A.				
			B.				
			. .				
8	WAF	NA		2			
Sub Total (A)							

Table B **4th & 5th Years AMC Cost for Hardware for new SOC Tools**

Sl. No.	Solution	Devices / Endpoints to be covered	Devices/Hardware with make and model	Qty. (a)	4th Year AMC			5th Year AMC			Total 4th &5th Year AMC Cost without tax (h) = (d) + (g)
					Unit Price (b)	%Taxes (c)	Total Price without Tax (d) = (a) * (b)	Unit Price (e)	%Taxes (f)	Total Price without Tax (g) = (a) * (e)	
1	Network Access Control (NAC)	24000 devices including Desktops / Laptops / ATMs	A.								
			B.								
			. .								
2	End Point Data Loss Prevention (DLP)	22000 end points	A.								
			B.								
			. .								
3	Automated Vulnerability	500 devices	A.								
			B.								

	Assessment Scanners (VAS)		. .								
4	IT-Governance, Risk & Compliance (IT-GRC)		A.								
			B.								
			. .								
5	Anti-Advanced Persistent Threat(APT)	2 device at DR	A.								
			B.								
6	Network Policy Management Solution	Core Firewall -15 Pairs. (with cluster) Core Router – 4 nos. Core Switches – 8 + 38 nos.	A.								
			B.								
			.								
7	Decoy	2 solutions	A.								
			B.								
			.								
8	WAF	NA		2							
Sub Total (B)											

Table C	Software/License Cost with 1st Year ATS for new SOC Tools					
Sl. No	Solution	Software/ License	Qty. (a)	Unit Price (b)	%Taxes (c)	Total Price without Taxes (d) = (a) * (b)
1	Network Access Control (NAC)	A.				
		B.				
		. .				

2	End Point Data Loss Prevention (DLP)	A.				
		B.				
		. .				
3	Automated Vulnerability Assessment Scanners (VAS)	A.				
		B.				
		. .				
4	IT-Governance, Risk & Compliance (IT-GRC)	A.				
		B.				
		. .				
5	Anti-Advanced Persistent Threat (APT)	A				
		B				
6	Network Policy Management Solution	A.				
		B.				
7	Decoy	A.				
		B.				
8	WAF		2			
Sub Total (C)						

Table D				2^{nd} , 3^{rd} , 4^{th} & 5^{th} Years Software/ License ATS Cost for new SOC Tools												
Sl No	Solution	Software/ License	Qty (a)	2nd Year ATS			3rd Year ATS			4th Year ATS			5th Year ATS			Total Price without Tax (n) = (d) + (g) + (j) +(m)
				Unit Price (b)	% Tax (c)	Total Price without Tax (d) = (a) * (b)	Unit Price (e)	%Tax (f)	Total Price without Tax (g) = (a) * (e)	Unit Price (h)	%Tax (i)	Total Price without Tax (j) = (a) * (h)	Unit Price (k)	% Tax (l)	Total Price without Tax (m) = (a) * (k)	

1	Network Access Control (NAC)	A.														
		B.														
		•														
2	End Point Data Loss Prevention (DLP)	A.														
		B.														
		• . • .														
3	Automated Vulnerability Assessment Scanners (VAS)	A.														
		B.														
		• •														
4	IT-Governance, Risk & Compliance (IT-GRC)	A.														
		B.														
		• •														
5	Anti-Advanced Persistent Threat (APT)	A.														
		B.														
6	Network Policy Management Solution	A.														
		B.														
7	Decoy	A.														
		B.														
8	WAF		2													
Sub Total (D)																

Table E Implementation Cost

Sl. No	Solution	Implementation cost	%Taxes	Total implementation cost without Taxes
1	Network Access Control (NAC)			
2	End Point Data Loss Prevention (DLP)			
3	Automated Vulnerability Assessment Scanners (VAS)			
4	IT-Governance, Risk & Compliance (IT-GRC)			

5	Anti-Advanced Persistent Threat (APT)			
6	Network Policy Management Solution			
7	Decoy			
8	WAF at DR Site			
Subtotal (E)				

Table F Cost of Managed Services

Table F1 - Annual Recurring Cost

Sl. No.	Description			% Tax	Total Price without Tax	Contract Period (in years)	Total Cost without Tax
1	Services as per Annexure A – Solution / Requirement for Anti-Phishing Anti Rogue Services Anti Malware Services	Cost for 100 incidents or takedowns per annum (Annual Recurring Cost)				5	

Table F2 – Unit Cost

Sl. No.	Description			% Tax	Total Price without Tax	Cost for 100 number of additional incidents of takedowns (g)=100 * (d)	Contract Period (in years)	Total Cost without tax (i) = (f+g) * (h)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Unit Cost for additional incidents or takedowns per annum					5	
Sub Total (F) = F1 +F2								

Note : 100 is taken for TCO purpose only. Payment regarding Table F2 will be done on actuals.

Table G - For new ArcSight Hardware						
Sl. No	Solution	Devices/Hardware with make and model	Qty (a)	Unit Price (b)	%Taxes (c)	Total Price without Taxes (d) = (a) * (b)
1	ArcSIGHT ESM SERVER	A.	2			
		B.				
		.				
		.				
2	ArcSight Connector Server	A.	4			
		B.				
		.				
		.				
Sub Total (G)						

Table H	1st,2nd,3rd,4th & 5th Years AMC Cost for Hardware for ArcSight and existing SOC Tools															
			1st Year AMC			2nd Year AMC			3rd Year AMC			4th Year AMC			5th Year AMC		
Sl. No.	Solution	Qty (a)	Unit Price (b)	% Taxes (c)	Total Price without Tax (d) = (a) * (b)	Unit Price (e)	% Taxes (f)	Total Price without Tax (g) = (a) * (e)	Unit Price (h)	% Taxes (i)	Total Price without Tax (j) = (a) * (h)	Unit Price (k)	% Taxes (l)	Total Price without Tax (m) = (a) * (k)	Unit Price (n)	%Taxes (o)	Total Price without Tax (p) = (a) * (n)

1	ArcSIGHT ESM SERVER	2	x	X	x	x	x	x	x	x	x					
2	ArcSight Connector Server	4	x	x	x	x	x	x	x	x	x					
3	MX for WAF and DAM	3							xx	xx	xx	xx	xx	xx	xx	Xx	xx
4	Imperva WAF Gateway	4															
5	Imperva DAM Gateway	6															
6	Lancope NBA (Flow Sensor)	2							xx	xx	xx	xx	xx	xx	xx	Xx	xx
7	Lancope NBA (Flow collector)	2															
8	Lancope NBA(SMC)	2															

9	Lancope NBA(Identity)	2							xx	xx	xx	xx	xx	xx	xx	Xx	xx
10	PIM	12															
11	APT at BDC	2							xx	xx	xx	xx	xx	xx	xx	Xx	xx
Sub Total (H)																	

Please Note: x stands for Not Required for 1st Year, 2nd Year and 3rd Year since it should be covered under warranty. Devices for which xx have been marked for 3rd, 4th and 5th year may get replaced at a later stage, hence shall not require AMC for these years.

Table I — 1st, 2nd , 3rd , 4th & 5th Years Software/ License ATS Cost for ArcSight and Existing SOC Tools

Sl. No	Solution	Software License	Qty (a)	1st Year ATS			2nd Year ATS			3rd Year ATS			4th Year ATS			5th Year ATS			Total Price without Tax (q) = (d) + (g) + (j) + (m) + (p)
				Unit Price (b)	% Tax (c)	Total Price without Tax (d) = (a) * (b)	Unit Price (e)	% Tax (f)	Total Price without Tax (g) = (a) * (e)	Unit Price (h)	% Tax (i)	Total Price without Tax (j) = (a) * (h)	Unit Price (k)	% Tax (l)	Total Price without Tax (m) = (a) * (k)	Unit Price (n)	% Tax (o)	Total Price without Tax (p) = (a) * (n)	
1	ArcSight (ESM) Server OS and requisite software other than arcsight application	A.	2																
		B.																	
2	ArcSight(connector) a) Server OS b) ArcSight smart connector,support with content updates	A.	4																
		B.																	
		•																	
		•																	

3	MX for WAF and DAM	A.	3							xx	Xx	xx	xx	xx	xx	xx	xx	xx	xx	
		B.																		
4	Imperva WAF Gateway	A.	4																	
		B.																		
		•																		
		•																		
5	Imperva DAM Gateway	A.	6																	
		B.																		
6	Lancope NBA (Flow Sensor)	A.	2							xx	Xx	xx	xx	xx	xx	xx	xx	xx	xx	
		B.																		
7	Lancope NBA(Flow collector)	A.	2																	
		B.																		
8	Lancope NBA (SMC)	A.	2																	
		B.																		
9	Lancope NBA(Identity)	A.	2							xx	Xx	xx	xx	xx	xx	xx	xx	xx	xx	
		B.																		
10	PIM	A.	12																	
		B.																		
11	APT at BDC	A.	2							xx	Xx	xx	xx	xx	xx	xx	xx	xx	xx	
		B.																		
Sub Total (I)																				

Please Note: Devices for which xx have been marked for 3rd, 4th and 5th year may be replaced at a later stage, hence shall not require ATS now for these years.

Table J	Implementation Cost for ArcSight			
Sl. No	Solution	Implementation cost	%Taxes	Total Price without Tax
1	ArcSight ESM			
2	ArcSight connector			
Subtotal (J)				

Table K	Cost of Facility Management Services				
Cost of L1 Resource					
Sl. No.	Item Description	No. of Resources	Cost for each Resource	Tax%	Total Price without tax
1	Cost of L1 Resource for 1st Year				
2	Cost of L1 Resource for 2nd Year				
3	Cost of L1 Resource for 3rd Year				
4	Cost of L1 Resource for 4th Year				
5	Cost of L1 Resource for 5th Year				
SUB TOTAL (L1)					
Cost of L2 Resource					
Sl. No.	Item Description	No. of Resources	Cost for each Resource	Tax%	Total Price without tax
1	Cost of L2 Resource for 1st Year				
2	Cost of L2 Resource for 2nd Year				
3	Cost of L2 Resource for 3rd Year				
4	Cost of L2 Resource for 4th Year				
5	Cost of L2 Resource for 5th Year				
SUB TOTAL (L2)					

Cost of L3 Resource					
Sl. No.	Item Description	No. of Resources	Cost for each Resource	Tax%	Total Price without Tax
1	Cost of L3 Resource for 1st Year				
2	Cost of L3 Resource for 2nd Year				
3	Cost of L3 Resource for 3rd Year				
4	Cost of L3 Resource for 4th Year				
5	Cost of L3 Resource for 5th Year				
SUB TOTAL (L3)					
SUB TOTAL K (L1+L2+L3)					

Table Z	Total Cost Ownership (TCO)	
Sl No	Description	Sum Total Cost without tax
1	Hardware Cost with 3 years warranty for new SOC tools (A)	
2	4th & 5th Years AMC Cost for Hardware for new SOC tools (B)	
3	Software/License Cost with 1st Year Support Cost for new SOC tools (C)	
4	2nd , 3rd , 4th & 5th Years Software/ License ATS Cost for new SOC tools (D)	
5	Implementation Cost (E)	
6	Managed Services Cost (F)	
7	For new ArcSight Hardware Cost with 3 years warranty (G)	
8	1st,2nd,3rd,4th & 5th Years AMC Cost for Hardware for ArcSight and existing SOC Tools (H)	
9	1st, 2nd , 3rd , 4th & 5th Years Software/ License ATS Cost for ArcSight and Existing SOC Tools (I)	
10	Implementation Cost for ArcSight (J)	
11	Cost of Facility Management Services (K)	
Total Cost of Ownership, Z = (A + B + C + D + E + F + G + H + I + J + K)		

Total Cost Ownership (in words)……

Note:

In case of discrepancy between figures and words, the amount in words shall prevail.

- Bidders should strictly quote in the format and for periods as mentioned above. No counter condition / assumption in response to commercial bid will be accepted. Bank has a right to reject such bid.
- Bank may place the order in phase manner.
- Present Rate of tax, if applicable, should be quoted in respective columns. The Bank will pay the applicable taxes for the above mentioned tax type ruling at the time of actual delivery of service/implementation and resultant billing. However, no other tax type will be paid. The Octroi / Entry Tax will be paid extra, wherever applicable on submission of actual tax receipt.
- Commercial Bid will be opened for the technically qualified vendors.
- The bidders with lowest **Total Cost of ownership (TCO)** will be selected as L1 bidder.
- The calculation for arriving at TCO is properly mentioned in the appropriate columns and we confirm that the above mentioned rates are accurate. In case of any anomalies in the calculation for arriving at TCO, the Bank will have the right to rectify the same and it will be binding upon our company.
- If the cost for any line item is indicated as zero or blank then Bank may assume that the said item is provided to the Bank without any cost.
- Bank has discretion to keep any of the line item mentioned above as optional as per Bank's requirement.
- We have ensured that the price information is filled in the Commercial Offer at appropriate column without any typographical or arithmetic errors. All fields have been filled in correctly.
- We have not added or modified any clauses / statements / recordings / declarations in the commercial offer, which is conditional and / or qualified or subjected to suggestions, which contain any deviation in terms & conditions or any specification.
- We have understood that in case of non-adherence to any of the above, our offer will be summarily rejected.
- Please note that any commercial offer which is conditional and / or qualified or subjected to suggestions will also be summarily rejected. This offer shall not contain any deviation in terms & condition or any specifications, if so such offer will be summarily rejected.
- All prices should be quoted in **Indian Rupees (INR)** only.
- The TCO (Total Cost of Ownership) will be exclusive of GST and other applicable taxes. However the GST and other applicable taxes will be paid as per actuals at the time of resultant billing.

We hereby agree to abide by all the terms and conditions mentioned in the Bank's RFP dated 24.08.2020 and subsequent pre-bid and amendments.

Company Seal **Authorized Signatory**

Date

Name & Designation: