				LIC-CO/IT-BPR/NW/RFP/2023-2024/TDIR dated 18 December 2023-Corrigendu	ım-V	
S. No.	RFP Section Revised Annexure C -	Sub-Section Annexure C:	Pa No.	REP Clause The Bidder during the last 07 (seven) years preceding to the date of this RFP should have supplied implemented and supported/maintained the SIEM	Bidder Querv Kindly request to remove the clause "The proposed OEM	Please refer to the " revised Eligiblity
	Annexure C - Minimum Eligibility Criteria	Eligibility Criteria,Point No.7		solution of minimum 30,000 EPS / 1448 GB per day) for a minimum of 01 (one) organisations in PSUIGovernment/PrivateBESI Sector. The proposed OEM product for SIEM should have been successfully running in minimum three organizations with minimum 500 branches distributed across India of minimum 60,000 EPS / 2897 GB per day in the last 5 years preceding to the date of the RFP.	product for SIEM should have been successfully running in minimum there organizations with minimum 500 branches distributed across India of minimum 60,000 EPS /2897 GB per day in the last 5 years preceding to the date of the RFP or provide exemption or valve of for Technically Qualified Make in India Startup CEM. This will help more Make In India startups to come forward and participate in this coordurinity.	Criteria-2 and Annexure C-2*
2	Annexture F	SIEM		The proposed solution should natively provide an out of the box mechanism to discover and classify assets by system type (mail servers, database	Directly asset discovery wont possible from Solution. We can	Please refer to the revised "Revised
3		SIEM		servers, city to minimize false positives associated with poor asset classification. Machine learning should be embedded across the platform (such as but not limited to SIEM, SBDL, UEBA, etc.), it should empower every user in the SCO with ML. Sacurity analyst should be able to build ML. Models from UI i.e. using predefined ML algorithms to detect & predict threats, threat hunters to build their own ML. models with steps to build, train and implement model and data scientists should be able to integrate various ML frameworks.	integrate with Asset discovery Tool Need relaxation on this clause due to Machine Learning	Annexure F – Technical Compliance- 2" Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
4		SIEM		The proposed solution machine learning capabilities must allow addition of custom machine learning algorithms from popular open source libraries .	Need relaxation on this clause for ML	Please refer to the revised "Revised Annexure F – Technical Compliance-
5		UEBA		The proposed solution should have the capability to support a model that allows the output of one ML model to serve as an input for another ML model .	Need to relax this clause due to Machine Learning	Please refer to the revised "Revised Annexure F – Technical Compliance-
6	Revised Annexure C	Eligibility Criteria		The proposed OEM product for SIEM should have been successfully running in minimum three organizations with minimum 500 branches distributed across India of minimum 60,000 EPS / 2897 GB per day in the last 5 years preceding to the date of the RFP.	Request relaxation on this clasue. Request below changes:	Please refer to the " revised Eligiblity
	Annexure C	Criteria		across India of minimum 60,000 EPS / 2897 GB per day in the last 5 years preceding to the date of the RPP.	The proposed OEM product of SIEM should have been successfully running in minimum two organizations of minimum 60,000 EPS2897 Siber paid in the last 5 year preceding to the date of the RFP out of which one customer must have minimum 500 branches distributed across India Or The proposed OEM product for SIEM should have been successfully running in minimum three organizations with	Criteria-2 and Annexure C-2*
7	Revised Annexure F: Technical Compliance	NBAD Technical Specifications	Additional point as per PreBid	71. It should be a dedicated solution delivering all PCAP specifications and use cases mentioned above and should not be subset capability of SIEM or any other solution	minimum 500 branches distributed globally of minimum 60,000 EPS / 2897 GB per day in the last 5 years preceding to the date of the RFP. Request this to be removed from NBAD section since its applicable to PCAP solution, also #17 of NBAD specs conveys the same point;	Please refer to the revised "Revised Annexure F – Technical Compliance-2"
	Compilation		Query Point #71			
8	Revised Minimum Eligibility Criteria Annexure C	Annexure C Point No 5	NA	The proposed OEM product for SIEM should have been successfully running in minimum three organizations with minimum 500 branches distributed across India of minimum 60,000 EPS /2697 CB per day in the last 5 years preceding to the date of the RFP.	LogRhythm is a robust SIEM (Security Information and Event Management) solution that offers comprehensive capabilities for Management) solution that offers comprehensive capabilities for middle designations are capabilities of the comprehensive capabilities for the comprehensive capabilities of the comprehensive capabilities and capabilities are capabilities. Considering the above credentials, we request you to revise the OEM Eligibility orders to as below: The proposed OEM product for SEM should have been successfully running in minimum three organizations with minimum 500 sentence sites of the size of years preceding to the date of the NFF, Out of which select one customer telerence should be of minimum 00 D000 EPS 22897 GB per day.	Please refer to the "revised Eligibility Criteria-2 and Annexure C-2"
9	Revised	PCAP	NA	The solution should have the scalability to cover the entire enterprise network (North / South and East / West) with ability to perform high speed lossless	Request LIC to clarify as per below understanding of the bidder:	There are 8 sites mentioned along
	Annexure F Technical Compliance	Technical Specifications		packet capture & analysis functions for a network traffic capture as per following site requirements. from day one. Internet Faing Sci A Obba. Site A: 3 Obba. Site C: 3 Obba. Site C: 1 Obps. Site C: 1 O	There are 12 sites as mentioned along with the Bandwidth throughput. We understand that biden need to deploy the PCAP Probe/Aralytics solution in each of the 12 locations locally. Also (Vile Parle Mumbal) and DR (Bangalore).	with the Bandwidth throughput. The bidder need to deply the PCAP. Bidder need to deply the PCAP. Probe. Problem Set of the Potential Set of the Potential Set of the Potential P
10	Revised Annexure F Technical Compliance	NBAD Technical Specifications	NA	The solution should have the scalability to cover the entire enterprise network with ability to support traffic rate as per following site requirements or its equirements per Second rom day one. Sampling rate to be 1:1 only. Internet Facing Sites: - Site AS SOBDE - Site DAS SO	Request LC to clarify as per below understanding of he blodder: There are 12 lies as mentioned along with the Bandwich throughput. We understand that bloder need to objectly the control of the property of the property of the property of the social Month Policies needs to septing Central management solution in DC (Ville Parle Mumbai) and DR (Bangalore).	There are 8 sites mentioned along with the Bandwish throughput. The biddler need to deploy the NRAD. He biddler need to deploy the NRAD at the biddler need to deploy destroy. Also the sides need to deploy Central management solution in DC (Vie Parte Mumbai) and DR (Bangalore).
11	Annexure F	NBAD Technical		It should be a dedicated solution delivering all PCAP specifications and use cases mentioned above and should not be a subset capability of SIEM or any other solution	We understand PCAP as mentioned in the technical compliance here is a typo. This needs to be NBAD.	Please refer to the revised "Revised Annexure F – Technical Compliance-
12	Annexure F	Specifications Point No 71 SIEM Technical Specifications Point no 65		Machine learning should be embedded across the platform (such as but not limited to SEM, SBDL, UEBA, etc.). It should empower every user in the SDC with ML. Security analyst should be able to build ML Models from UI is, using predefined ML algorithms to detect & predect threats, threat hunters to build their own ML models with steps to build, train and implement model and data scientists should be able to integrate various ML frameworks.	Outbom build of Mt. Model use cases are specific for Business Analytics Plantform and may not be applicable for Security Analytics Sulfain as asked in the RFP disuse. Hence request UC to remove the below specifications from the current clause "tehoude reprove every user in the SOC with Mt. Security analyst should be able to build Mt. Models from UI is a using predefined Mt. algorithms to detect 8 predict rheasts, threat hanters to build thair own Mt. models with steps to build; that hanters to build thair own Mt. models with steps to build; that it is not the step of the steps of the step of the steps of the step of the st	2" Please refer to the revised 'Revised Annexure F – Technical Compliance- 2"
13	Annexure F	SIEM Technical Specifications Point no 69		The proposed solution must provide GUI that can easily help to build, built-in or custom machine learning models and should be able to integrate with a collection of NLP and classical machine learning librairies, generic machine learning tools such as (but not limited to) TensorFlow, PyTorch, R, Python, Scala, etc.	Custom build of ML Model use case and integration with NLP are specific for Business Analytics Platform and may not be applicable for Security Analytics Solution as asked in the RFP clause. Hence kindly request LIC to remove this point.	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
14	Annexure F	SIEM Technical Specifications		The proposed solution machine learning capabilities must allow addition of custom machine learning algorithms from popular open source libraries .	Custom build of ML Model/Algorithm use cases are specific for Business Analytics Platform and may not be applicable for Security Analytics Solution as asked in the RFP clause Hence	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
15	Annexure F	Point no 71 UEBA Technical Specifications Point no 21		The proposed solution should have the capacity to utilize ursupervised machine learning algorithms, artificial intelligence and deep learning.	request LIC to remove this clause Levy UEBA DeM has their own method of idelifying the susuplicious! abnormal user behaviour using their own method (Supervised/Un Supervised/Other algorithm); hence request LIC to modify clause as below. The proposed solution should have the capacity to utilize machine learning algorithms, artificial intelligence and deep	Please refer to the revised "Revised Annexure F – Technical Compliance-2"
16	Annexure F	UEBA Technical Specifications Point no 27 UEBA		The proposed solution should have the capability to support a model that allows the output of one ML model to serve as an input for another ML model. The proposed solution should have the capability to support fine-funing of various meta-data attributes of behaviour models. At and ML models.	Isarning Custom build of ML Model/Algorithm use cases are specific for Business Analytics Platform and may not be applicable for Security Analytics Solution as asked in the RFP clause Hence request LIC to remove this clause Fine tuning of ML models are not recommended in production	Please refer to the revised "Revised Annexure F – Technical Compliance- 2" Please refer to the revised "Revised
18	Section C:	Technical Specifications Point no 41	46	LIC reserves the right to initiate any change in the scope of contract. Vendors must factor in a maximum of 25% scope changes within the services,	environment because this may impact largely the ML algorithms in representating false/incorrect corelation outputs. Hence request LIC to remove this clause. Bidder understands that for all the line items (Sr no 1 to Sr no	Annexure F – Technical Compliance- 2" Please refer to the revised "Varying
				appliances, licenses, etc. cost to be quoted in the commercial bid. Any change in the scope beyond this 25% will be informed to the vendor in writing. If LIC wants to vary the Services:	as mentioned in the Annexure G - Commercial Template, bidder needs to factor additional 25% of buffer capacity for	the Services-2"
		l		I	appliance/ License/ services	l

10	Revised			Payments will be made as per below table, subject to bidder completing in-scope activities for the agreed project plan. LIC reserves the right to	Request LIC to confirm on billing milestones & payment terms	Please refer to the revised "Payment
19	Section G Payment Terms			temporarily withhold payment and impose penalty, if it is not satisfied with progress made during that period or if there is delay in activity timelines	for the following line items of the Commercial Bid Sr. 9 - Direct Premium Support Sr. no 10 - Custom Parser Sr. no 12 - OEM Audit	Terms & Conditions-2"
20	Revised Annexure F			This solution will allow deploying the client and protecting machines running on terminal servers	Request to share the OS type and versions of Terminal Server	Servers may be on Windows Server, RHEL, RHEL servers, SUSE Linux servers, IBM Linux servers, Orcale Linux servers
21	Revised Annexure F			The proposed solution shall provide comprehensive protection against exploits including MexOS_Linux (RHEL_Uburtu & Cenos Flavours) and processes running Linux Cordinater. Solution shall leverage extensive techniques for exploit prevention on RHEL servers including but not limited to Brute Force protection_lawa Desensialization. Kernel integrity Monitoring, Local Privilege Escalation protection, Reverse Shell Protection, ROP_Shellcode Protection, SO Hijacking Protection etc.	These exploit techniques can be leverage by Endpoint Security & EDR for Windows OS Platform. Protection for linux & MacOS will be challenge for all the OEM vendors, we would request to modify this point and mention that these features are relevant to Windows OS not for Linux & MacOS or else request LIC to keep this point as Non-Mandatory clause	The point is mandatory as Linux OS is implemented in LIC in the following versions RHEL desktops and RHEL servers , SUSE Linux servers , IBM Linux servers , Orcale Linux servers
22	Revised Annexure F			Does additional points which are added as new points from 98 to 102 are mandatory to comply for bidders or these are Good to have points from the solutions.	Request to LIC to provide clarifications on the points from 98 to 102, these additional points/features which are added newly are mandatory or good to have features in this RFP	The additionals points from 98 to 102 are mandatory
23	Revised Annexure F	NBAD - #1		The solution should have the scalability to cover the entire enterprise network with ability to support traffic rate as per following site requirements or its equivalent Plans Per Second or Packets Per Second from day one. Sampling rate to be 1.1 only. - Site a: Site Second	As per center understanding there were 12 sites (internet – 4 and MPLS – 8), accordingly we had prepared BOM with 12 and MPLS – 8), accordingly we had prepared BOM with 12 do get a clarification about the number of sites and total throughput per site for optimized BOO sizes. Our understanding is that LIC have 8 sites with following breakup, please confirm: — 3. Sites PLO,R.S. have only MPLS link — Sites PLO,R.S. have only MPLS link	Yes, the understanding of eight sites is correct.
				The deployed solution for NBAD with visibility for end users should be in such a way that the WAN utilization across MPLS links is minimally impacted to the order of 5-10%.		
24	Revised Annexure F	NBAD - #70		The ports of the proposed solution should support port speeds of 1G.103.25G or 40G for both Copper and Fiber . Both SR and LR types must be supported . The number of ports should be factored as per the requirements of the RFP	Since this directly affects BOO sizing and commercials, we request to provide exent number and type (Copper/fiber) of ports required of each speed (1G/19G25G4/G0) so that all Bidders factor necessary hardware in their proposal. Our understanding is that packet or flow needs to be collected from more than four points at each site, so bidder is required to factor affects on entework packet broken at each site populated with 16 x 1G/10G Multimode Fiber Transceivers, please confirm.	Please factor Network Packet Broker , as per the number of ingestion points
25	Revised	NBAD - #72		The OEM must have previously deployed the proposed solution of 10Gbps or its equivalent flows per second or packets per second in at least three	We request a change in the language as follows:	Please refer to the revised "Revised
	Annexure F			PSUBanks/Private Banks/BFSI institutions, in the last 3 financial year preceding to the date of this RFP.	"The OEM must provide references for the proposed solution of 10Gbps or its equivalent flows per second or packets per second in at least three PSU Banks/Private Banks/BFSI institutions, in the last 3 financial year."	Annexure F – Technical Compliance- 2"
26	Revised Annexure F	PCAP - #1		The solution should have the scalability to cover the entire enterprise network (North / South and East / West) with ability to perform high speed lossless packet capture & analysis functions for a network traffic capture as per following site requirements from day one. - Site A: 3 Objes - Site B: 500 Mips - Site C: 1 Objes - Site C: 1 Objes - Site D: 3 Objes	As per earlier understanding there were 12 sites (Internet - 4 and MPLS - 9, accordingly we had prepared 800 with 12 Probes. With above addition after Corrigendum-3, we need to get a clarification about the number of sites and total throughput per site for optimized 800 sizing. Our understanding is that LIC have 8 sites with following	Yes, the understanding of eight sites is correct.
				MPLS Coto Sites: - North: Site 7 - 4 Gbps - Vitest: Site G - 4 Gbps - Site A - 4 Gbps - Site A - 4 Gbps - Site A - 1 Gbps - Site B - 1 Gbps - Site G -	breakup_please confirm: - Sites A.B.C.D. have both internet and MPLS link - Sites P.Q.R.S have only MPLS link	
27	Revised Annexure F	PCAP - #28		The solution should have the ability to selectively store packets captured in an external storage or store in cloud by following industry best practice and any other applicable law of the land for data security.	Request to change this as follows: "The solution should have the ability to selectively store packets captured in an internel setternal storage or store in cloud by tollowing industry best practice and any other applicable law of the land for data security." Operating the control of the security of of the se	Please refer to the revised 'Revised' Annexure F – Technical Compliance-
28	Revised Annexure F	PCAP - #56		The ports of the proposed solution should support port speeds of 1G.10G.25G or 405 for both Copper and Fiber . Both SR and LR types must be supported . The number of ports should be factored as per the requirements of the RFP	Since this directly affects BOQ sizing and commercials, we request to provide exact number and type (CopperFloer) of ports required of each speed (1010/ESC940G) so that all Bidders factor necessary hardware in their proposal. Our understand is that packets for the needs to be collected from more than four points at each site, so bidder is required to factor adtessor one network packet by the collected from the proposal and the	Please factor Network Packet Broker , as per the number of ingestion points
29	Revised Annexure F	PCAP - #3		The selected vendor shall store 5 days packet level data / raw data at any point of time, which must include contents required for network forensic purpose like packet analysis, session analysis, host analysis, error analysis, TCP analysis etc. Accordingly, bidder shall provision the required storage capacity in the proposed solution.	Request to change this as follows: The packetflow (no sampling) captured at line rate for all sensors shall be stored for 5 days and metadata to be stored for 180 days. The storage required for such retention shall be planned by the bidder and included. The selected wendor shall store 5 days packet level data / raw data at any point of time, which must include contents required for network forensic purpose like netflow/packet analysis, host analysis, TCP analysis etc. Accordingly, bidder shall provision the required storage capacity but within the proposed PCAP appliance. Our understanding for 5 days packet level data storage is considering that every day there will be about 12 hours of busy traffic and 12 hours of non-busylide traffic, please confirm.	Please factor for 15 busy hours and nine normal hours
30	Revised Annexure F: Technical Compliance	NBAD Technical Specifications	Additional point as per PreBid Query Point #71	71. It should be a dedicated solution delivering all PCAP specifications and use cases mentioned above and should not be subset capability of SIEM or any other solution	applicable to PCAP solution; also #17 of NBAD specs conveys the same point	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
31	Revised Annexure F _ Technical Specifications	SIEM Technical Specifications Sr No 111	NA	The vendor must have previously deployed the proposed solution of equal size and configuration or more in at least three PSU/Banks/Private Banks/BFSt institutions, each with a minimum 3000 logs in the last 3 financial year preceding to the date of this RFP.	We understand that in line with the Technical Specifications for SOAR, RNAD as mentioned in American F: the clause is applicable for CEM and not the vendor/ bidder. We request LIC in revisit the clause as below. The CEM must have previously deployed the SEM solution in at test three PCIB ishand/Privide Banke/FO isetations, each with committee and the semination of the committee of the committee of the highest properties of the committee of the committee of the best of the SEP.	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
32	Revised Annexure F_ Technical Specifications	EDR Technical Specifications Sr No 100	NA	The proposed solution shall provide comprehensive protection against exploits including MacOS. Linux (RHEL, Ubuntu & Centos Flavours) and processes running in Junux Containers. Solution shall leverage extensive techniques for exploit prevention on RHEL severes louking but not limited to Brute Force Protection, Java Desertalization, Kernel Integrity Monitoring, Local Privilege Escalation Protection, Reverse Shell Protection, ROP, Shellcode Protection, SO Hijacking Protection etc.	The above point refers to protecting processes running in Itus. Containers. We would like to room it en you frust containers are running in the LIC environment and, if so, how many. Also, please note that I'C Container Security is a separate soldier and not part of the EDR functionality. Please advise if we should quote Container Security licenses or not. Awaiting for your clarifications at the earliest	At present there are no Linux Containers in the LIC environment and 'Container Security' as a separate feature is not required now and Container Security licenses are not to be quoted. The bidder can provide information on whether the proposed OEM products support this feature
33	Additional Point	NA	NA	Resources to manage the underlying infra	Since the bidder has to provide infra for the proposed solution, request LIC to consider dedicated resources to manage the underlying lefts and incorporate as a support line item in the	Please refer to the revised "Section E: Scope of Services-2"
34	Additional Point	NA	NA	Ticketing and Monitoring Tool	underlying Infra and incorporate as a separate line item in the commercial sheet As per the pre-bid response, LIC mentioned that LIC is in the process of procuring ficketing tool. Considering the timegap which may arise between RFP closures, request LIC to confirm whether bidder has to provide monitoring and discking tool for availability and SLA tracking for a year or two	Please refer to the revised "Section E: Scope of Services-2"
35	Annexure F	CTI		The platform should provide features to measure ROI of threat intel operations such as the amount of data ingested, acted upon, and disseminated. It should make it possibl for the executives to measure the entire ROI of the procedure.	There is no way to calculate the ROI. Kindly remove this clasue	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
36	Annexure F	СТІ		The platform should have capabilities to automatically harness the critical IOC and map it back to MITRE ATT&CK navigator relevant TTP.	The IOC is only an indicator. This is not a action against which we can map it to the MITRE ATT&CK framework. Kindly remove this clause	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"

37	Annexure F	NBAD	The solution should be a dedicated behaviour analytics solution delivering advanced Network Detection & Response (NDR) use cases and not a subset capability of SIEM or PCAP solution.	The solution should be a dedicated behaviour analytics solution delivering advanced Network Detection & Response (NDR) use cases and not a subset capability of SEW Solution. For PCAP and NRAD solution, Application and Sensor / Probe may store these capabilities on the same device, the bidder shall propose two separate dedicated devices."	
38	Annexure F	NBAD	The DEM must have previously deployed the proposed solution of 10Gbps or its equivalent flows per second or packets per second in at least three PSUBanks/Private Banks/BFSI institutions, in the last 3 financial year preceding to the date of this RFP.	We request to change this as follows: "The OEM must have previously deployed the proposed solution of 10Gbps or its equivalent flows per second or packets per second in at least two Government/PSU/Banks/Pfrivate Banks/BFS institutions, in the last 3 financial year preceding to the date of this RFP."	
39	Annexure F	PCAP	It should be a dedicated solution delivering all PCAP specifications and use cases mentioned above and should not be a subset capability of SIEM or any other solution.	We request to change this as follows: "Is should be a dedicated solution delivering all PCAP specifications and use cases mentioned above and should not be a subset capability of SEM for any other solution. For PCAP and HBAD solution, Application and Sensor / Probe may and HBAD solution, Application and Sensor / Probe may de- and process packer / flow on same device. If it does not have these capabilities on the same device, the bidder shall propose two separate dedicated devices."	Please refer to the revised "Revised Annexure F – Technical Compliance- 2"
40	Annexure F /SoW	PCAP/SoW	The vendor must address secure storage options and should have data storage duration and capacity to ensure that packet captured at line rate by sensors at each site shall be stored for 7 days and metadata to be stored for 1 year.		Please refer to the revised "Section E: Scope of Services-2"