Sri Lanka CERT (Pvt.) Ltd

ADDENDUM NO 01 - TO THE BIDDING DOCUMENT

FOR THE

Procurement of Communication Links for NCSOC
INVITATION FOR BIDS No: CERT/GOSL/SER/NCB/2023/23

October 2023

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This Addendum to the Bidding Document of above procurement incorporates following amendments. All bidders shall comply with these amendments in addition to the clarifications issued.

Amendments

Section/Page number	Original requirement	Comments from TSP	Revised or additional requirement
Page no 38, Item 1	Technical Requirement	Please Specify Route Firewall requirement	Basic packet filtering firewall, filtering based on Destination and origination IP addresses, Port number, packet type
Page 38, Item 1, 2.1	TSP shall provide Customer premise equipment 2* (CPE) with firewall features to terminate last mile links, each device should have 4 * 100/1000 RJ45 interfaces and 04 nos of 10Gbps SFP+ interfaces populated with 2 nos of multimode compatible SFP transceivers. All LC-LC type 1m length fiber optical patch cords should be provided for connectivity. TSP shall provide read only access to CPE for the monitoring purpose & shall configure firewall rules according to Sri Lanka CERT requirements	Is it required to provide 2 CPEs as we already have a standard architecture at Our data center with dual switch redundancy to terminate connections to customer racks ? Hope this clause refers to DC links? Please clarify this term for ILL and VPN ?	This is not required for DC side
Page no 39, Item 1	Service network availability / Yearly	Please Specify SLA requirement	Service Availability for last mile links : 99.8% VPN CORE : 99.9% Aggregate link : 99.9% (connectivity to DC)
Page 40, Item 1, 5.1	latency Less than 15 ms in between two end sites connected to the VPN network	Suggest amending these parameters , latency 40-60ms	• 30 ms
Page 43, Item	latency Less than 15 ms in	Suggest amending these	• 30 ms

2, 8.1	between two end sites connected to the VPN network	parameters , latency 40-60ms	
Page no 40, Item 7.1	Monitoring and network performance	Please let us know the most important monitoring tools to be integrate. We can provide comprehensive monitoring at a cost	• Site Status • Bandwidth Utilization • Service Uptime • Latency Statistics • Network Throughput Performance Apart from the above list, portal must have functionality of trend analysis, Device availability, and SLA conformance reports. Further it must also have features like - Alerts on planned events and service outages and Facility to raise Trouble Tickets (TT). Optional • Jitter Statistics • Packet Error Statistics
Page 47, Item 5.1	99.99 % up time	Suggest amending this to 99.95%	Service Availability for last mile links : 99.8% VPN CORE : 99.9% Aggregate link : 99.9% (connectivity to DC)
Page no 48, Item 13	Equipment (ILL)	Please specify the router placement/ termination for ILL	Not required
Page no 50	Penalty Close & SLA	Both TSP requested to keep a cap on this penalty. Please consider	50% of Monthly Bill
Page 50	"Penalty will be calculated in	Suggest reducing the	Service Availability for

	following model,"	percentages for service unavailability	last mile links : 99.8% VPN CORE : 99.9% Aggregate link : 99.9% (connectivity to DC)
Page no 24, 5.3 (a)	Section II Bidding Sheet 5.3 (a) Legal Document	SL CERT accept Board resolution for this submission. (In addition close will be removed)	Agreed
Page no 33	Price Schedule	Both TSP requested to propose bandwidth for Core / main links options.	Minimum bandwidth will be 100 Mbps and as indicated on the bidding document it is required to provide bandwidth for DC connectivity on below model FOC basis. Bandwidth = total bandwidth of other last mile links
Page 43, Item 2, 5.1	Bandwidth shall be upgrade within 24 hours up to 50 Mbps with prior notice based on the requirements.	If have to change the access technology, suggest increasing the time.	Within 5 Business days
Page 45, item 2, 13.1	TSP shall provide Customer premise equipment (CPE) / Network Termination Equipment (NTU) with firewall features to terminate last mile links, each device should have 2 * 100/1000 Mbps LAN ports. TSP shall provide read only access to CPE /NTU for the monitoring purpose & shall configure firewall rules according to Sri Lanka CERT requirement	Please clarify Firewall features that mandatary	This is not required for DC side
Page 50, Table 1, Line-Item 1	3 Last mile links including Core network + ILL to NCSOC DC	Suggest timelines to four weeks.	No change to this requirement.
Page 50, Table 2, Line-Item 4	Links Latency (last mile , Aggregate link) measured CPE to CPE	Suggest amending these parameters , latency 40-60ms	30 ms

Other Details		Bandwidth requirement for main VPN leg to the DC	Minimum bandwidth will be 100 Mbps and as indicated on the bidding document it is required to provide bandwidth for DC connectivity on below model FOC basis. Bandwidth = total bandwidth of other last mile links
		Location details of 40+ end locations that connectivity to be provided(GPS, address etc.)	All the sites located within Colombo
		Please confirm what does it mean by aggregate links ? Is that Links to the DC? Please clarify them.	Yes , please refer updated diagram
		Suggest providing a detailed diagram after amending above points	Provided.
		Time extension	No time extension

Proposed Network Diagram