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இலங்கை மத்திய வங்கி
CENTRAL BANK OF SRI LANKA

ලේකම් දෙපාර්තමේන්තුව
செயலகத் திணைக்களம்
SECRETARIAT DEPARTMENT

අංක 30, ජනාධිපති මාවත, කොළඹ 01, ශ්‍රී ලංකාව
இல. 30, சனாதிபதி மாவத்தை, கொழும்பு - 01, இலங்கை
No. 30, Janadhipathi Mawatha, Colombo 01, Sri Lanka

DOCUMENT A
INVITATION FOR TENDER

Ref: No.: 09/04/117/2021/001

22 April 2022

Director/Manager

.....

.....

Dear Sir/Madam,

TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

Sealed quotations are invited for the Tender for the selection of a Networking Supplier for Structured Network Cabling for the Central Bank of Sri Lanka (CBSL) from tenderers who have successfully completed structured network cabling projects during the 5 years ended on 31 December 2021 as follows.

1. Eligibility Criteria:

Experience, Qualifications, and Other Requirements are in Annex I

2. Project Overview:

Project Objective and Scope are in Annex II.

3. Technical Specifications:

Required minimum technical specifications are in Annex III.

4. Pre-bid Meeting and Site Inspection/Survey:

Tenderers need to inspect the site and carry out a site survey to submit the Bill of Material (BOM) including active and passive components as in Annex IV.

The date for the pre-bid meeting and site inspection will be on 04 May 2022 at 1030hrs.

5. Price Schedule:

The tenderers shall quote prices as per the Annex V – Price Schedule. The price quoted inclusive of all local taxes should be in Sri Lankan Rupees (Rs.) and valid until 21 June 2022. The price shall remain unchanged during the validity period of the tender.

6. Bid Guarantee:

The tenderer should furnish a Bid Guarantee amounting to a sum of Rs. 100,000 valid until 21 July 2022 by way of a Bank Guarantee substantially in the form of Annex VI or a Bank Draft in favor of the Monetary Board of the Central Bank of Sri Lanka, obtained from a Licensed Commercial Bank operating in Sri Lanka. The Bid Guarantee shall be available at the time of the tender opening.

7. Performance Guarantee:

Within 14 days from the date of letter of award of the contract by the CBSL, the successful tenderer shall furnish a Performance Guarantee substantially in the form of Annex VII in a sum equivalent to 10% of the total Contract Price for the due performance of the contract which should be valid for 120 days from the date of letter of award. Such Performance Guarantee shall be in the form of a Bank Guarantee issued in favor of the Monetary Board of the Central Bank of Sri Lanka obtained from a Licensed Commercial Bank operating in Sri Lanka and forwarded to the Secretary of the CBSL.

A successful tenderer who fails to furnish the required Performance Guarantee as specified above shall be deemed to be disinterested in accepting the award, and the Bid Guarantee shall be forfeited.

8. Delivery Period and Liquidated Damages:

The successful tenderer shall cover the scope, provide equipment, and services as per the Annex II, Annex III, and Annex IV. CBSL reserves the right for quantity variation due to increase/decrease in requirements. The tenderer shall also provide all required equipment which may not be specifically stated herein but are required to meet the intent of ensuring completeness, maintainability and reliability of the total project covered under this specification at the time of project completion.

The successful tenderer shall obtain prior approval for the installation methodology from the IT Department of CBSL before carrying out the site installations.

The successful tenderer shall complete the total project within 90 days from the date of the letter of award. Failure to deliver the required items within this period would render the supplier liable to pay liquidated damages at the rate of Rs. 10,000 per each day of delay and such amounts will be deducted from the payment due to the supplier.

9. After Sales Service Requirements:

The successful tenderer shall provide maintenance and technical support for the total cabling work including all the tendered products and services matters during the period of Warranty and Support as in Section-5 of Annex III.

10. Payment Method:

All payments will be subject to existing taxes as applicable in terms of the Inland Revenue Act No. 24 of 2017 and any subsequent amendments and notices issued by the Department of Inland Revenue, Sri Lanka. The conditions of the payments are as follows.

- i. An advance payment not exceeding 20% of the Contract value may be released upon the submission of an Advance Payment Guarantee issued by a Licensed Commercial Bank operating in Sri Lanka valid for 120 days.
- ii. An amount equivalent to 70% of the cost will be paid after 14 days from the date of commissioning of the project on recommendation of the Director, IT Department, CBSL and the balance 10% will be paid after 90 days subject to the satisfactory performance of tendered items/services.
- iii. The successful tenderer shall submit a copy of VAT Registration Certificate (if any).

11. Sub-Contracting:

The successful tenderer shall not assign the Contract or any part thereof to any other third party without the formal prior approval of the Bank. If the Tenderer plans to subcontract certain specialized work of the contract to a specialized sub-contractor, such intension shall be indicated in the bid.

12. Document Requirements:

Tenderer shall furnish list of documents as in Annex VIII along with the quotation.

13. Foreign Exchange:

The bidder shall bear direct foreign currency exchange rate risk up to a maximum variation of $\pm 3\%$ and if the exchange rate varies beyond $\pm 3\%$ during the period from bid closing date to actual invoice date of foreign material by the bidder, the price of imported materials shall be adjusted based on the selling Telegraphic Transfers (TT) exchange rate between LKR and USD (called the "base rate") published by CBSL on the date of bid closure and that of actual date of invoice (invoice date) of respective materials by the bidder.

14. Selection Method:

- i. The evaluation will be based on the least cost method subject to substantial compliance with Tender conditions.
- ii. Financials will be evaluated considering the selling TT exchange rate between LKR and USD published by CBSL on the date of bid closure using the unit prices provided in USD by the bidders in the price schedule.
- iii. As a post qualification measure, the ISO 9001:2015 quality assurance certification may be considered.
- iv. The CBSL reserves to itself the right to accept any or reject any or all tender(s) received and is not bound to accept the lowest quotation. The decision of the CBSL shall be final with regard to the award of the contract.

15. Submission of Bids and Tender Opening:

Duly perfected tender documents addressed to the Secretary, Central Bank of Sri Lanka, No 30, Janadhipathi Mawatha, Colombo should be;

- i. Sent via email to **procsec@cbsl.lk** with a copy to **sec@cbsl.lk** in the form of password-protected PDF, with the subject **Tender for the selection of a Networking Supplier for Structured Network Cabling** not later than 1430hrs on 13 May 2022.
- ii. Please refer Annex IX for instructions on online bid submission through email.

Tenders will be opened immediately after closing the tenders on 13 May 2022 virtually.

16. Contact Details:

For any further clarifications you may contact the following officer/s.

- i. Assistant Secretary/Secretariat (Procurement Matters) – 0112477123
- ii. Senior Assistant Director/IT (Technical Matters) – 0112477318

Yours faithfully

Secretary

Central Bank of Sri Lanka

**DOCUMENT B
FORM OF TENDER**

To: Secretary
Central Bank of Sri Lanka
Level 11, Head Office Building
No.30, Janadhipathi Mawatha
Colombo 01.

**TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA**

Having examined the Invitation to Tender and all other requirements indicated in the Tender Documents, I/We of hereby offer to undertake the Structured Network Cabling for the Buildings at the Central Bank of Sri Lanka (CBSL) in accordance with the conditions and specifications indicated in the tender documents, at the rates quoted in the Price Schedule (Annex V) within a period of 90 days from the date of Letter of Award of Tender for the total sum of Rupees (Rs.....).

If my/our Tender is accepted I/we agree to furnish a Performance Guarantee in accordance with the tender documents in a sum equivalent to 10% of the total Contract Price for the due performance of the contract. Such Performance Guarantee shall be in the form of a Bank Guarantee or a Bank Draft in favor of Monetary Board of the Central Bank of Sri Lanka obtained from a licensed commercial bank operating in Sri Lanka. The Performance Guarantee shall be valid for 120 days from the date of letter of award by the CBSL. I/We understand that my/our Tender together with your written acceptance thereof shall form a binding contract between us.

Dated this of Two Thousand and Twenty-Two.

Duly authorized to sign the bid for and on behalf of (Company name and address).

Name:

Designation:

Signature: Official Seal:

Witnesses:

1. Signature:
Name:
Address:
Designation:
2. Signature:
Name:
Address:
Designation:

ELIGIBILITY CRITERIA
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

1. Eligibility Criteria		Compliance (Yes/No)
1.1	Experience, Qualifications, and Other Requirements	
	The Tenderers shall be a company/firm registered in Sri Lanka and should have completed and maintained two similar projects including Industrial Standard Structured Network Cabling for LAN/WAN in last five (05) years ended 31.12.2021. Each project shall not be less than LKR 10 million. The Tenderer shall provide Experience Report as per the format given below (Experience Report Section-2).	
	Tenderer shall have obtained Construction Industry Development Authority (CIDA) Grade III (EM-III ELV Installation) or above Registered Certification.	
	Tenderer shall ensure quoted products for the tender shall be from original vendor and the Tenderer shall not quote any products other than genuine OEM (Original Manufacturer Equipment) products.	

2. Experience Report			
2.1	Experience - Project 1		
Scope of Project			
Value of the Project (LKR)			
Date of Commencement			
Date of Completion			
Name & Address of Client			
Contact Person of the Client	Name	Designation	Telephone No.

2.2	Experience - Project 2		
Scope of Project			
Value of the Project (LKR)			
Date of Commencement			
Date of Completion			
Name & Address of Client			
Contact Person of the Client	Name	Designation	Telephone No.

PROJECT OVERVIEW
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

Project Overview, Objectives. and Scope

Central Bank of Sri Lanka (CBSL) intends to upgrade the existing backbone (vertical) network of its head office buildings connecting to its datacenter (DC) network. The building's network consists of separate network areas for the distribution of network to each floor of the buildings. The main objective of the project is to:

1. Enhance and upgrade the existing backbone cabling connecting the datacenter network Main Distribution Area (MDA) with the building's Horizontal Distribution Areas (HDAs).
2. Install Horizontal network cabling to setup network for Work Areas at three (03) floors of the buildings.
3. Provide Uninterruptable Power Supply to the building's HDA network Racks/Cabinets.

Purpose of the project is to enhance CBSL local area networks (LANs) to deliver predictable performance providing redundancy and maximum availability.

Scope of this project includes industrial standard structured network cabling (ANSI/TIA-568) connecting two (02) Datacenter MDA network racks, with building's three (03) Distribution network racks and nineteen (19) Floor-Level (Horizontal Cross-connect) network racks.

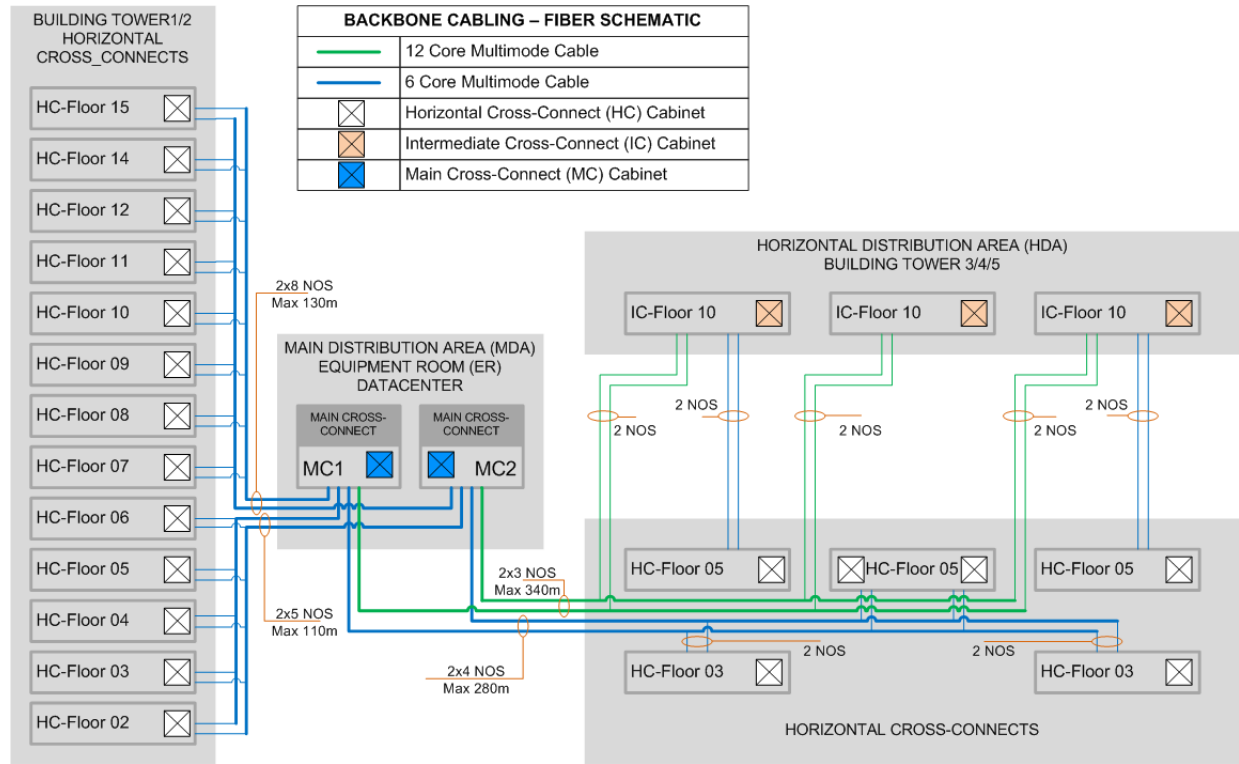
The Tenderers are expected to inspect the existing cable runs at the site prior to submitting the bid proposal. Furthermore, the Tenderers are requested to use the existing cabling duct paths and trays of the building's network.

01	General Requirement Overview	Compliance (Yes/No)
1.	Tenderer shall adhere to CBSL terms and conditions in accessing and working at CBSL sites.	
2.	Tenderer shall ensure the safety when handling and working with CBSL's existing network and its related equipment or any other components used for the work. In the event of any damage caused due to project installations, the Tenderer shall carry out the necessary repairs at their own expense.	
3.	Tenderer is expected to source all required tools, ladders, scaffolding, working platforms, and accessories required for the work.	
4.	The successful Tenderer shall supply, deliver, install, commission, and test any materials, equipment, systems that may not be specifically mentioned in this bidding document but are required for the successful completion of the project.	

02.	Technical Requirement Overview	Compliance (Yes/No)
1.	Tenderer shall install backbone cabling connecting two (02) Nos of Datacenter Main Cross-connect (MC) cabinet/racks with three (03) Nos of Intermediate Cross-connect (IC) cabinets/racks, and nineteen (19) Nos of building's Horizontal Cross-connect (HC) cabinets/racks. (Refer Connectivity Fiber Schematic in Section-3 Annex II)	
2.	Tenderer shall consider backbone cabling redundancy for each connection and accordingly install physically separated cables.	
3.	Tenderer shall ensure that all the cablings are in adherence to ANSI/TIA structured cabling standards and practices (ANSI/TIA-568.1-E) and shall support interoperability and backward compatibility. (Connectivity Physical Infrastructure Minimum Technical Specifications are given in Section-1 Annex III)	
4.	Tenderer shall install horizontal cabling in three (03) Work Areas to facilitate Local Area Network (LAN) terminating 144 telecommunication (equipment) outlet connectors. Cable count and pathway capacity shall be decided at the site inspection.	
5.	Tenderer shall provide all necessary patch panels, patch cords, and termination accessories to meet above CAT6A and OM4 cabling as necessary to complete industrial standard installation for structured network cabling.	
6.	Tenderer is expected to use the existing cable ducts and trays of the building network, and shall provide any additional ducts, trays, conduits, or any other items, where it is necessary to complete the cabling installations. (Refer Annex III for minimum technical specifications for cable trays)	
7.	Tenderer shall provide and install seventeen (17) Nos of industrial standard network equipment racks/cabinets at HDAs. (Refer Annex III Section-2 for racks/cabinets minimum technical specifications.)	
8.	Tenderer shall ensure that all provided racks/cabinets complies with relevant network rack/cabinet/enclosure industrial standards, and all the cabinets/racks shall be equipped with cable management, rack mount power distribution units (RPDUs) for AC power, and cooling fans to remove hot air. (Refer Annex III Section-3 for RPDUs minimum technical specifications.)	
9.	Tenderer shall provide and install eleven (11) Nos of rack mountable Uninterruptable Power Supply (UPS) systems in selected network equipment racks/cabinets at HDAs. (Refer Annex III Section-4 for UPS systems minimum technical specifications.)	
10	Tenderer shall ensure all the cablings and components are marked with systematic labelling using easily traced permanent identifier adhering to ANSI/TIA recommended cable labelling standards (ANSI/TIA-606)	
11	Tenderer shall be responsible for Testing & Commissioning of Structured Cabling System and shall provide Fiber Optic Test Results and UTP Cable Test Result with 25 years performance guarantee by manufacturer.	
12	Tenderer shall prepare the Bill of Material (BOM) based on site inspection and tender requirements. Tenderer shall submit the detailed BOM as in Annex IV.	
13	Tenderer shall submit documentary evidence to establish the country of origin of the offered products and equipment.	
14	Tenderer shall provide Manufacturer's brochures (originals) on the offered products/equipment model indicating technical specifications. (In English language).	

15	The Successful tenderer shall be responsible for providing all materials, equipment, and services, specified or otherwise, which are required to fulfil the intent of ensuring completeness, operability, maintainability, and reliability of the complete equipment and services covered under the technical specification within the quoted price.	
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03	Connectivity Fiber Schematic
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MINIMUM TECHNICAL SPECIFICATIONS
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

1	Connectivity Physical Infrastructure Minimum Technical Specifications	Compliance (Yes/No)										
I.	Cable Make / Model											
II.	Country of Origin / Country of Manufacturer											
1.1	Tenderer shall provide OM4 or above fiber cabling as necessary with below minimum specification											
I.	Number of cores: 6 and 12											
II.	Type of tube: tight buffered											
III.	Fiber type: multi-Mode 50/125µm											
IV.	Flame Rating: Low Smoke Zero Halogen											
V.	Installation tension: Minimum 650N											
VI.	Crush strength: Minimum 500											
VII.	Compliance: ANSI/TIA-568.3-D, RoHS, Telcordia, IEC 60754-2, IEC 60332-1, UL1666, IEC 61034											
1.2	Tenderer shall provide CAT 6A or above Un-Shielded Twisted Pair (UTP) cabling as necessary with below minimum specification											
I.	Data Rate: 1/10GE											
II.	Number of twist pairs: 4 pairs											
III.	Conductor: 24AWG Bare Copper											
IV.	Flame Rating: UL 1685											
V.	Installation tension: Minimum 110N											
VI.	POE Support: PoE+ and PoE++ Power application											
VII.	Channel performance: TIA/ISO standards with headroom guarantee											
VIII.	Compliance: ANSI/TIA-568.2-D Cat6A, IEC 61156-5 Cat6A											
1.3	Tenderer shall provide all necessary patch panels, patch cords, and termination accessories to meet above CAT6A and OM4 cabling as necessary to complete industrial standard installation.											
I.	Fiber Termination shall be Fusion Splice Type, and UTP cabling installation should be wired to the T-568B specifications.											
II.	All the fiber and UTP connectivity shall have fiber and UTP patch panels at each rack/cabinet.											
III.	Fiber patch panels shall be 1U, Lucent Connector (LC) type for LC duplex push-pull connectors. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Fiber Patch Panel</th> <th style="text-align: center;">Count</th> </tr> </thead> <tbody> <tr> <td>19" 1U 96F, 48 Port LC Duplex Multimode</td> <td style="text-align: center;">2</td> </tr> <tr> <td>19" 1U 72F, 36 Port LC Duplex Multimode</td> <td style="text-align: center;">2</td> </tr> <tr> <td>19" 1U 36F, 18 Port LC Duplex Multimode</td> <td style="text-align: center;">3</td> </tr> <tr> <td>19" 1U 12F, 6 Port LC Duplex Multimode</td> <td style="text-align: center;">19</td> </tr> </tbody> </table>	Fiber Patch Panel	Count	19" 1U 96F, 48 Port LC Duplex Multimode	2	19" 1U 72F, 36 Port LC Duplex Multimode	2	19" 1U 36F, 18 Port LC Duplex Multimode	3	19" 1U 12F, 6 Port LC Duplex Multimode	19	
Fiber Patch Panel	Count											
19" 1U 96F, 48 Port LC Duplex Multimode	2											
19" 1U 72F, 36 Port LC Duplex Multimode	2											
19" 1U 36F, 18 Port LC Duplex Multimode	3											
19" 1U 12F, 6 Port LC Duplex Multimode	19											
IV.	UTP patch panels shall be 1U, RJ45 type, Flat, and Feedthrough patching. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">UTP Patch Panel</th> <th style="text-align: center;">Count</th> </tr> </thead> <tbody> <tr> <td>19" 1U/2U, 48 Port RJ45 Feedthrough</td> <td style="text-align: center;">29</td> </tr> <tr> <td>19" 1U, 24 Port RJ45 Feedthrough</td> <td style="text-align: center;">4</td> </tr> </tbody> </table>	UTP Patch Panel	Count	19" 1U/2U, 48 Port RJ45 Feedthrough	29	19" 1U, 24 Port RJ45 Feedthrough	4					
UTP Patch Panel	Count											
19" 1U/2U, 48 Port RJ45 Feedthrough	29											
19" 1U, 24 Port RJ45 Feedthrough	4											
V.	UTP Patch Cords shall be CAT6A 28AWG, Bare Copper four pair twisted stranded cables, terminated with RJ45 modular connectors at both the ends.											

		UTP Patch Codes	Count		
		Cat6A UTP 28AWG 3-meter Patch Cords	840		
		Cat6A UTP 28AWG 1-meter Patch Cords	144		
1.4	Tenderer shall provide and install Cable Trays as required with below minimum technical specifications maintaining industrial standard structured network cabling.				
I.	Cable Tray Type: Perforated/Ventilated				
II.	Surface: Galvanized				
III.	Sheet Thickness: 1.2mm				
IV.	Tray Size: 150mm x 100mm				

2	Network Racks/Cabinets/Enclosures Minimum Technical Specifications			Compliance (Yes/No)
I.	Make / Model			
II.	Country of Origin / Country of Manufacturer			
III.	Rack Size	18U 19-inch (600mm x 800mm)		
IV.	Rack Quantity	14 Nos of Floor/Free Stand Type		
		3 Nos of Wall Mount Type		
2.1	Tenderer shall ensure Racks (Racks/Cabinets/Enclosures) and it's connected Subsystems which shall be manufactured using industrial and globally accepted standards such as EIA-310-E, TIA/EIA-942, UL2416.			
I.	Racks shall be made of rust proof durable materials consist of Zinc-coated steel sheet or/and galvanized steel sheet with thickness not less than 1.6mm			
II.	Racks shall have 19" Mounting Angle, adjustable rear equipment rails with continuous positioning, and fixed front rails. Rack shall be marked Rack U numbers			
III.	Racks shall be at least 70% perforation on rack front and back doors. And racks shall have double swing back door for Floor/Free Stand Type Racks. And Wall Mount Type Racks shall have wall hanging provisions.			
IV.	Racks shall have cable access opening or adjustable opening on the top and bottom frame and shall have enough provision for data cabling and power cabling.			
V.	Racks shall have provision for remove side panels for any rack operations.			
VI.	Racks shall have 230V AC Low noise brushless Fan Plates (2 fans in each plate)			
VII.	Racks shall be brand independent and able to support third party network Switches, UPS, and other Network Equipment.			
VIII.	Racks shall be equipped with M6 Screws, Washers, M6 Cage Nuts, and accessories.			
IX.	Racks shall have provision for Horizontal Cable Management (Front and Rear), and Racks shall be provided with Reusable and Repositionable Straps (Ex: Velcro Straps) for Cable Ties to organize cable pathways.			
X.	Racks shall be key lockable on front and back doors, and side panels.			
XI.	Racks shall have fully electrically bonded without the use of Grounding Wires between Equipment Rails, Door and Side Panels which shall be connected to Equipotential Bonding Network			
XII.	Floor/Free stand Racks shall be built with heavy duty nylon caster wheels for Floor Stand Racks.			
XIII.	Racks shall have overall Ingress Protection Class not less than IP20.			

XIV.	Sample Rack need to be approved from CBSL prior to start fabrications. (For Locally Manufactured or Customized Brands)	
XV.	Should provide Manufacturer Warranty Certification for 3 Year for the Product.	

3	Rack Mount Power Distribution Unit (RPDU) with below minimum technical specifications		Compliance (Yes/No)
I.	Make / Model		
II.	Country of Origin / Country of Manufacturer		
III.	RPDU Quantity	4 Nos of 12 Port RPDU 18 Nos of 8 Port RPDU	
3.1	4 Nos of 15A 12 Port RPDU		
I.	Type: 19-inch Rack Mountable		
II.	Outlets: 12 IEC Type G Connectors		
III.	Inlet: IEC C14 Connector		
IV.	Nominal Input Voltage: 120-240 VAC		
V.	Input Frequency: 50/60 Hz		
VI.	Power Cord: 1.98-meter power cord terminates with Rack mounted UPS outlets		
VII.	Compliance: UL 60950, EN 60950, or equivalent		
3.2	18 Nos of 13A 8 Port RPDU		
I.	Type: 19-inch Rack Mountable		
II.	Outlets: 8 IEC Type G Connectors		
III.	Inlet: IEC C14 Connector		
IV.	Nominal Input Voltage: 120-240 VAC		
V.	Input Frequency: 50/60 Hz		
VI.	Power Cord: 1.98-meter power cord terminates with Rack mounted UPS outlets		
VII.	Compliance: UL 60950, EN 60950, or equivalent		

4	Rack Mountable UPS Systems Minimum Technical Specification		Compliance (Yes/No)
I.	UPS Make / Model		
II.	Country of Origin / Country of Manufacturer		
III.	UPS Type	Rack Mount Industrial Type	
IV.	UPS Quantity	7 Nos of 2kVA UPS 4 Nos of 3kVA UPS	
4.1	7 Nos of 2kVA UPS Systems		
I.	Capacity: 2 kVA minimum		
II.	Technology: Rack mounted type Online double conversion		
III.	Wave Form type: Sine wave		
IV.	Input: Single phase 50 Hz, 230 V		
V.	Output: Single phase 50 Hz, 230 V		
VI.	Power outlets: 4 nos. (minimum)		
VII.	Backup Time: 10 minutes (minimum) at full load		
VIII.	Batteries: maintenance-free sealed lead batteries		
IX.	Management: via RS232 (optional)		

X.	Remote Monitoring Facility: The UPS shall have the remote monitoring facility which can be monitored from a central location. Details of the monitoring system to be provided with the Bid	
XI.	Warranty: 3 years comprehensive (including batteries)	
4.2	4 Nos of 3kVA UPS Systems	
I.	Capacity: 3 kVA minimum	
II.	Technology: Rack mounted type Online double conversion	
III.	Wave Form type: Sine wave	
IV.	Input: Single phase 50 Hz, 230 V	
V.	Output: Single phase 50 Hz, 230 V	
VI.	Power outlets: 4 nos. (minimum)	
VII.	Backup Time: 10 minutes (minimum) at full load	
VIII.	Batteries: maintenance-free sealed lead batteries	
IX.	Management: via RS232 (optional)	
X.	Remote Monitoring Facility: The UPS shall have the remote monitoring facility which can be monitored from a central location. Details of the monitoring system to be provided with the Bid	
XI.	Warranty: 3 years comprehensive (including batteries)	
4.3	Tenderer shall indicate the make, model, surge protection facilities, input frequency tolerance, input voltage tolerance and ampere hours of the batteries and the detailed circuit diagram of the offered products	

5	After Sales Service Requirements Minimum Technical Specification	Compliance (Yes/No)
5.1	Warranty and support	
I.	Successful Tenderer shall provide fifteen (15) years Comprehensive Warranty and Support for the Connectivity Physical Infrastructure including Components and Products. And the Tenderer shall ensure Comprehensive Warranty and Support from authorized reseller /agent/ distributor/ original equipment manufacturer (OEM) during the Warranty Period.	
II.	Successful Tenderer shall provide three (03) years Comprehensive Warranty and Support for the UPS systems and PDU systems. And the Tenderer shall ensure Comprehensive Warranty and Support from authorized reseller /agent/ distributor/ original equipment manufacturer (OEM) during the Warranty Period. All relevant subscriptions if any shall be clearly mentioned with required part numbers.	
III.	Successful Tenderer shall provide detailed Bill of Material (BOM) including Warranty and Support	
IV.	Successful Tenderer shall provide technical support, break fixing, and technical advice during the Warranty period. All Expenses related to fault replacement during the warranty period shall be borne by the Tenderer.	
V.	Successful Tenderer shall attend to reported faults within 24 hours. And faults, repairs, and part replacement shall be fixed/resolved within maximum time of one week during the Warranty Period.	
VI.	The successful Tenderer shall provide contact details of two (02) technical personnel as contact points for fault reporting and coordinating the services and repairs.	

VII.	The Tenderer shall ensure the OEM shall not declare the supplied products as End of Support (EoS) or End of Life (EoL) during the Warranty period (3 Years).	
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BILL OF MATERIAL
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

1	Bill of Material		
	Components	Notes	Required Quantity
1.	OM4 or above Fiber Optic Cable	Quantity shall be based on the specification and as per the site inspection	As necessary
2.	CAT6 UTP Cable	Quantity shall be based on the specification and as per the site inspection	As necessary
3.	Fiber Patch Panels	Industrial standard OM4 Fiber optic patch panels in total	26
4.	UTP Patch Panels	Industrial standard UTP patch panels in total	33
5.	UTP Patch Cords	Industrial standard UTP patch cords in total	984
6.	Cabling Termination Accessories Fiber	Industrial standard Fiber optic adapters/couplers, and/or pigtails	As necessary
7.	Cabling Termination Accessories UTP	Industrial Standard Two Gang Faceplates with Modules (Keystone Jacks (144), and Back Boxes)	72
8.	Cable Trays	Quantity shall be based on the specification and as per the site inspection	As necessary
9.	Network Racks	Industrial standard Network racks/cabinets	17
10.	Power Distribution Units (PDU)	Industrial standard rack mounted RPDUs	22
11.	Uninterruptible Power Supply (UPS) Systems	Rack mountable UPS systems	11
12.	Installation and Labour		As necessary
13.	Warranty & Support	Comprehensive warranty for the UPS systems directly from the OEM/principal and the Tenderer shall provide comprehensive support during the period of Warranty.	3 Years
14.		Comprehensive warranty for the RPDUs directly from the OEM/principal and the Tenderer shall provide comprehensive support during the period of Warranty.	3 years
15.		Comprehensive Warranty for the Connectivity Physical Infrastructure Work, Components, and Products.	15 years (passive)
16.		Manufacturer performance guarantee for Structured Network Cabling	25 years (Passive)

PRICE SCHEDULE
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

1 Cost of Bill of Materials									
	Item Description	Qty.	Unit Price (USD)*	Unit Price (Rs.)	Total Price (excluding taxes) (Rs.)	VAT (Rs.)	Other govt. taxes (Rs.)	Total (Including taxes) (Rs.)	
1.	OM4 or above Fiber Optic Cable								
2.	CAT6 UTP Cable								
3.	Fiber Patch Panels								
4.	UTP Patch Panels								
5.	UTP Patch Cords								
6.	Cabling Termination Accessories Fiber								
7.	Cabling Termination Accessories UTP								
8.	Cable Trays								
9.	Network Racks								
10.	Power Distribution Units (PDU)								
11.	Uninterruptible Power Supply (UPS) Systems								
12.	Installation and Labour Charges								
13.									
14.									
		Grand Total							

* For imported items

Note: The Tenderer shall include any additional equipment that is required to meet the intent of ensuring completeness.

Grand Total (in words)

.....

Note: The price quoted should be based on the prevailing Government Levies.

VAT Registration No (If any) - _____

Authorized Officer's Name

Designation

Signature

Company Seal

Date

BID GUARANTEE
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

Beneficiary: The Monetary Board of the Central Bank of Sri Lanka
No: 30, Janadhipathi Mawatha
Colombo 01.

WHEREAS <Name of the Service Provider> of <Address of the Service Provider > (hereinafter referred to as “the Tenderer”) has tendered for the <Name of Tender> for the Central Bank of Sri Lanka (hereinafter referred to as “the Purchaser”) of No. 30, Janadhipathi Mawatha, Colombo 01.

AND WHEREAS in terms of the invitation to the Tender, the Tenderer is required to furnish to the Purchaser a Bank Draft/Bank Guarantee obtained from a licensed commercial bank operating in Sri Lanka in a sum of <Amount in Rs..... > (In word) as security for the due observance by the Tenderer of the Conditions of the Tender.

NOW THIS WRITING WITNESSETH that we <Name of the Bank which issued the Bid Guarantee> having our registered place of business at <Address of the Bank that issue the Bid Guarantee> (hereinafter referred to as “the Bank”) do hereby guarantee, undertake, bind and oblige ourselves that in the event of the Tenderer,

- (a) withdrawing the Tender at any time after the opening of Tenders; or
- (b) failing to execute an Agreement as stipulated in the Conditions of Tender, and/or to furnish security for the due performance of the contract as required under the Conditions of Tender in the event the Tender is awarded to the Tenderer,

the Bank shall and will pay to the said Purchaser a sum not exceeding the total of < Amount of the Guarantee in words> (In numerically) on demand and without cavil or argument and without the Purchaser having to prove or show grounds or reason for the demand for the sums specified therein. We hereby waive the necessity of the Purchaser demanding the said sum from the Tenderer before presenting us with the said demand.

WE FURTHER AGREE that no change or addition to or other modification which may be agreed between the Purchaser and the Tenderer shall in any way release us from the liability under this Guarantee and we hereby waive notice of any such change addition or modification.

THIS GUARANTEE is valid and in full effect until < DD/MM/YYYY>

Seal of the Guarantor
and authorized signature

Date:

PERFORMANCE GUARANTEE
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

Beneficiary: The Monetary Board of the Central Bank of Sri Lanka
No: 30, Janadhipathi Mawatha
Colombo 01.

WHEREAS <Name of the Service provider> having its registered office at <Address of the Service provider> (hereinafter referred to as “the service provider”) has been awarded a contract for <Name of Tender> to the Monetary Board of the Central Bank of Sri Lanka by the letter of award dated <DD/MM/YYYY > and has entered into a contract with the said Monetary Board of the Central Bank of Sri Lanka for such purpose.

AND WHEREAS it is a condition of the said contract that a Bank Guarantee from a licensed commercial bank acceptable to the said Monetary Board of the Central Bank of Sri Lanka be furnished as a security for the due performance in accordance with the conditions of Bids.

AND WHEREAS we have agreed to furnish such a Bank Guarantee.

NOW THEREFORE we <Name of the Bank which issue the Bank Guarantee> having our registered office at <Address of the Bank that issue the Bank Guarantee> hereby affirm confirm and undertake that we are responsible to the Monetary Board of the Central Bank of Sri Lanka under this Guarantee up to a total of Sri Lankan Rupees <Amount of the Guarantee in words> (In figures) and undertake to pay you upon your first written demand signed by the <Secretary/ Relevant Department Head/ Authorized officer> of the Central Bank and without cavil or argument, any sum or sums within the limit of Sri Lankan Rupees <Amount of the Guarantee in words> (In numerically) as aforesaid without you having to prove or show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said sum from the service provider before presenting us with the demand.

We further agree that no change or addition or other modification of the terms of the contract or of the works to be performed there under or of the Bid Documents which may be made between you and the service provider shall in any way release us from any liability under this guarantee and we hereby waive notice of such change addition or modification.

This Guarantee is valid and in full effect for 120 days from the date of the letter of award/acceptance.

Authorized Signature and seal of the Guarantor:

Date:

DOCUMENT REQUIREMENT
TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA

Document Requirement along with the Quotation		(Yes/No)
1.	Duly completed Form of Tender (Document B)	
2.	Qualification Compliance and Experience Report including documentary evidence for experience (Annex I)	
3.	Sales invoices/documentary evidence for previous project experience (Annex I – Section 1.1)	
4.	Documentary evidence for CIDA Grade EM3 Registered certification	
5.	Documentary evidence for ISO 9001:2015 QA certification	
6.	Documentary evidence to establish relationship with their principal, to establish the tenderer's eligibility to bid	
7.	Compliance to the project objectives and scope (Annex II)	
8.	Compliance to the Minimum Technical Specification (Annex III)	
9.	Bill of Material (BOM) and Detailed BOM (Annex IV)	
10.	Documentary evidence to establish the country of origin of the offered products and equipment.	
11.	Manufacturer's brochures (originals) on the offered equipment model indicating technical specifications. (In English language).	
12.	Price schedule (Annex V)	
13.	Duly completed Bid Guarantee (Annex VI)	
14.	Statement relating to Warranty and Support including Technical Support as given in Section-5 of Annex III	

**TENDER FOR THE
SELECTION OF A NETWORKING SUPPLIER FOR STRUCTURED NETWORK CABLING
FOR THE CENTRAL BANK OF SRI LANKA**

INSTRUCTIONS FOR SUBMITTING THE TENDER DOCUMENTS VIA EMAIL

1. The subject of the email should be **Tender for the selection of a Networking Supplier for Structured Network Cabling**.
2. The maximum file size should be less than 10MB. If the tender documents exceed this size, separate emails could be sent with the relevant name of the tender followed by the version of the email (e.g.: Tender for the selection of a Networking Supplier for Structured Network Cabling 1 of 2, Tender for the selection of a Networking Supplier for Structured Network Cabling 2 of 2)
3. All PDFs should be password-protected, and the password shall be sent within 10 minutes of closing of the tender.
4. The tenderers shall provide the contact details (email) of their authorized representatives in the body of the email in order for the CBSL to send the invitation to the virtual bid opening meeting.
5. Any concerns/issues regarding the submission of the documents shall be informed before the deadline of the submission of the documents as late bids will not be accepted.