



MINISTRY OF PLANTATION

STATE MINISTRY OF COMPANY ESTATE REFORMS, TEA
AND RUBBER ESTATE RELATED CROPS CULTIVATION AND
FACTORIES MODERNIZATION AND TEA AND RUBBER
EXPORT PROMOTION



RUBBER RESEARCH INSTITUTE OF SRI LANKA

RRISL/PRO/CAPITAL/AVIT/2022 [13]

Registered Post

BID NOTICE

Purchase of Network Related Items

Bids are invited for quotations for Purchase of Network Related Items as per the specifications given in the attached sheet.

Sealed bids furnishing the information required **in the attached standard Bidding document (Annexure D) filling the all empty cages** should be send to the Chairman, Department Procurement Committee, Rubber Research Institute of Sri Lanka, Dartonfield, Agalawatta under registered cover or should be placed into the box available in the Account Department (Procurement unit), Dartonfield, Agalawatte. **Otherwise they will be rejected.**

The envelope containing the Bid should bear the words “**Purchase of Network Related Items**” in its top left corner. Bids close at 10.30 am. On 24.05.2022 and they will be opened immediately after the closing time on the same day at Dartonfield, Agalawatte. The decision of the Procurement Committee will be final and definite. Bidders or their authorized representatives will be permitted to be present for the event of opening of bids.

**Chairman
Departmental Procurement Committee (Minor)
Rubber Research Institute of Sri Lanka
Dartonfield, Agalawatte
2022.05.10**

01. Cisco Unmanaged Rack Mountable 24 port Gigabit Ethernet Switch with 2SFP - 02 Nos.**Specification**

Feature	Description	Compliance (Yes/No/Detail).
Make	Please Specify	
Model	Please Specify	
Country of Origin	Please specify	
Country of Manufacture	Please Specify	
Interfaces	22 x 10/100/1000 ports switch with 2 x 1G SFP Up links	
Layer	Layer 2	
Switching Capacity	48 Gbps	
Forwarding Capacity	35.7 mpps	
Jumbo Frame	9216 bytes	
Priority levels	4 hardware queues	
Scheduling	Priority queuing and weighted round-robin (WRR)	
Standards	802.3 10BASE-T Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3ab 1000BASE-T Gigabit Ethernet 802.3z Gigabit Ethernet 802.3x flow control 802.1p priority IEEE 802.3az, Energy Efficient Ethernet 802.3af , Power Over Ethernet	
Certifications	UL (UL 60950), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A	
Accessories	Power cord/Power adapter Mounting Hardware	
Warranty	Three (03) years <u>onsite</u> comprehensive warranty	

	Validity Period of the Bid	
Total Price :	Without	
VAT		
	With VAT & Other Taxes.	
	Total price including all taxes (in figures)	
	(in words)	

02. Specifications of Cisco PoE Layer 2 Manageable Rack Mountable Network Switch - 02 Nos.

Specification

Feature	Description	Compliance (Yes/No/Detail).
Make	Please Specify	
Model	Please Specify	
Country of Origin	Please Specify	
Country of Manufacture	Please Specify	
Ports	8 10/100/1000 POE Ports	
Uplink Port	2 combo mini-GBIC ports 2 X 1 G Multimode SFP need to populated	
Jumbo Frame	9216 bytes	
Management	Web Management, Text base CLI (User privilege levels 1, 7, and 15 are supported for the CLI)	
Flash memory	256 MB	
Memory	512 MB	
Switching	20 Gbps	
Power Dedicated to PoE	62W	
Maximum Active VLANS	4 K	
MAC table	16 K	
Forwarding bandwidth	14 Mpps	
Standards	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3ad LACP, IEEE 802.3z Gigabit Ethernet.	
VLAN mirroring	Traffic from a VLAN can be mirrored to a port for analysis with a network analyzer or RMON probe. Up to 8 source VLANs can be mirrored to one destination port. A single session is supported	
Power	Power Cord Should be included	
Warranty	Three (03) year Warranty	

	Validity Period of the Bid	
Total Price :	Without	
VAT		
	With VAT & Other Taxes.	
	Total price including all taxes (in figures)	
	(in words)	

03. Hikvision 8 ports Industrial Type PoE Manageable Network Switch - 02 Nos.

Hardware Specifications

Feature	Description	Compliance (Yes/No/Detail).
Make	Please specify	
Model	Please specify	
Country of Origin	Please specify	
Country of Manufacture	Please specify	
Interfaces	8 x 10/100 RJ45 ports, 2 x 10/100/1000 ports switch with 2 x 1G SFP(Multiplex)	
Performance	Store & Forward Support	
	4K MAC Address table	
	Automatic MAC Address learning /Aging	
	5.4 Gbps Backplane bandwidth	
PoE	PoE Standard – IEEE 802.3af, IEEE 802.3at	
	Supports 8-core power supply & simultaneously power supply via the 1236 and 4578 line order	
	1 to 8 POE Ports	
	Port Max. power – 30W	
Lightning Protection Grade	For port – 4KV	
	For power supply – 6KV	
Power supply	100 to 240VA, 50/60Hz	
Data Transfer Rate	Ethernet :10Mbps(half-duplex), 20Mbps(full - duplex)	
	Fast Ethernet : 100Mbps(half-duplex), 200Mbps(full –duplex)	
	Gigabit Ethernet : 2000Mbps (full- duplex)	
Network Media	Ethernet : UTP/STP CAT6	
	Fast Ethernet : UTP/STP CAT6	
	Gigabit Ethernet : UTP/STP CAT6	
	1000 Base-SX : MMF (Multi Mode Fiber)	
	1000 Base-LX :MMF (Multi Mode Fiber) or SMF (Single Mode Fiber)	
Network Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.3z	
Accessories	Power cord/Power adapter Mounting Hardware	

Software Specifications

Item	Specifications	Compliance (Yes/No/Detail).
Port	When the extend mode is enabled, the maximum data transmission & power supply distance can be extended to 250m via CAT6 twisted pair.	
PoE	IEEE 802.3at/IEEE 802.3af Enable/Disable PoE PoE over-temperature protection Display power supply status and output power of the PoE port Dynamic power supply of the PoE port. Power supply priority (Port 1 > Port 2 > ... > Port 16... > Port 24)	
Security Feature	MAC address binding	
VLAN	One-key enable VLAN Port VLAN (Max. 18/26 groups) IEEE 802.1Q VLAN (Max. 31 groups)	
Port Trunk	3 groups: Port 1, 2, 3 and 4 Port 5, 6, 7 and 8 Port G1/G1-F and G2/G2-F	
STP (Spanning Tree)	IEEE 802.1d Spanning Tree Protocol IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)	
Multicast	IGMP Snooping and IGMP v1/v2	
Mirroring	N: 1 port mirroring	
QoS	FIFO (First-in First-out) SP (Strict Priority) WP (Weighted Priority)	
MAC Address Management	MAC address aging and static MAC address configuration	
Loading and Upgrade	HTTP upgrade Import/Export configuration file	
Management and Maintenance	SNMP v1/v2 WEB management	
Warranty	Two (02) year warranty	

Validity Period of the Bid		
Total Price : VAT	Without	
With VAT & Other Taxes.		
Total price including all taxes (in figures)		
(in words)		

Name of the Authorized Officer

Signature of the Authorized Officer

Name of the Company & Address

.....

VAT Registration No.

Address

.....

Telephone Nos.

Rubber Stamp

Date :