



REQUEST FOR QUOTATIONS (RFQ)

REFERENCE NUMBER:

REQUEST FOR QUOTATIONS TITLE: SADC RPTC ICT INFRASTRUCTURE UPGRADE

NUMBER OF LOTS: 1

Dear Sir/Madam

RE: REQUEST FOR QUOTATIONS FOR SADC RPTC ICT INFRASTRUCTURE UPGRADE

1. We kindly request you to submit your quotation for “**The SADC RPTC INFRASTRUCTURE UPGRADE**” as detailed in **Annex 1** of this RFQ.

The SADC RPTC plans to upgrade its ICT infrastructure in order to improve efficiency and effectiveness of its operations. Qualified service providers are invited to bid for the following:

Item N°	Description	Qty
1	Fortigate Firewall	1
2	Cisco ISR Router	1
3	Cisco Wireless Controller	1
4	Cisco Switches	6
5	Cisco Wireless Access Points	14
6	Cisco phones	50
7	HP Servers	2
8	20 KVA UPS	1
9	Backbone Fibre Cabling and Optional Cat 6 UTP LAN Cabling Installation, Configuration, Documentation, Training and one (1) year post implementation support	1

10	Design, Planning, Installation, Configuration, Documentation, Training and one (1) year post implementation support	1
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The minimum technical specifications for the items are attached as Annex 1 to this RFQ.

2. You must quote for all quantities indicated in this RFQ for your quote to be considered responsive. You **MUST** only send one quotation for these services.
3. Your quotation, in the required format (See Annex 2 to this RFQ), clearly marked “**Tender for the SADC-RPTC ICT Infrastructure Upgrade and MUST** be dropped in the Tender Box at the following address and addressed to:

The Commandant
SADC-RPTC,

P/Bag 7736,
Causeway,
Harare,
Zimbabwe

4. The deadline for submission of your quotation, to the address indicated in Paragraph 3 is **Friday, 27 October, 2017**
5. Quotations by Fax or E-mail **are not** acceptable.
6. Bidders **MUST** provide the following documents and details:
 - Bidders must provide at least two reference letters from customers (sites) where similar projects were implemented. Details of the reference customers (sites) must be provided.
 - Bidders must be at least Cisco Premier Partners, Microsoft Partners, Fortinet Partners and HP Partners (Attach proof).
 - Bidders must use authorised electrical and UPS installers (Attach Proof).
 - A bid security of Ten Thousand United States Dollars (US\$10,000)

Submissions that are unable to provide the above information will be considered non-responsive.

7. Your quotation should be submitted as per the following instructions and in accordance with the Terms and Conditions of the Standard Purchase Order for SADC which is available on request.

- (i) **PRICES:** The prices should be quoted in the local currency, including all duties attached to the sale of the **services** (such as VAT, customs duties, etc).
- (ii) **EVALUATION AND AWARD OF PURCHASE ORDER:** Quotations determined to be administrative (see Paragraph 2,3,4,5 and 6) and technically compliant to the requirements will be evaluated by comparison of their prices per item (defined as above). The award will be made to the bidder offering an administratively and technically compliant quotation at the lowest total price.
- (iv) **VALIDITY OF THE OFFER:** Your quotation should be valid for a period of 90 days from the date of deadline for submission of quotation indicated in Paragraph 4 above.
8. **Supplies** are expected to be delivered to the SADC RPTC within 28 **days** from signature of the Purchase Order and complete project implementation within 56 days from signature of the purchase order.
9. Site Survey is **compulsory** via appointment with the following contacts.
- Major Oliver Shamhu, Administration and Finance Officer. Email: oshamhu@sadc.int Phone: +263338526-9
 - Mr. Innocent Chuzi, IT and Production Assistant. Email: ichuzi@sadc.int Phone: +263338526-9
10. Terms of payment are as follows:
- (i) Forty percent (40%) after equipment and software delivery and verification
- (ii) Thirty percent (30%) after installation, system configuration, documentation and training
- (iii) Thirty percent (30%) after system commission by SADC ICT personnel.
11. Additional information and clarifications can be requested **in writing**, no later than 10 working days prior to deadline indicated in the paragraph 4 above, from:

Procuring entity: **SADC Secretariat - RPTC**
Contact person: **Mr Kudakwashe Mwale**
SADC-RPTC,

P/Bag 7736,
Causeway,
Harare,
Zimbabwe

E-mail: kmwale@sadc.int;

Cc : clungu@sadc.int and amusa@sadc.int

ANNEXES:

ANNEX 1: Technical Specifications

ANNEX 2: Quotation Form

ANNEX 1.

A. TECHNICAL SPECIFICATIONS

Minimum Requirements:

1.1 FORTIGATE FIREWALL

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	Product: FortiGate 200D SKU: FG-200D 18x GE RJ45 (including 16x LAN ports, 2x WAN ports), 2x GE SFP DMZ ports, SPU NP4Lite and CP8 hardware accelerated, 64 GB onboard SSD storage 1 year 8x5 Forticare and FortiGuard UTM Bundle or equivalent 1 Year Hardware Premium Bundle Upgrade to 24x7 Comprehensive FortiGate or equivalent

1.2 CISCO 2951 ISR ROUTER

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	Cisco 2951 Series Router (Voice Gateway) - At least two Gigabit Interfaces - At least one serial interface - At least one E1/T1 Interface -Capacity to integrate PRI Telephone Line -Interface for Mobile telephone lines -At least Cisco IOS version 15.4 -Call Manager Capability with at least 50 user/phone licenses One year Cisco SMARTnet 8x5xNBD cover for all items

1.3 CISCO WIRELESS CONTROLLER

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	<p>AIR-CT2504-5-K9 2500 Series Wireless Controller for up to 5 Cisco access points CON-SNT-CT255</p> <p>AIR-CT2504-15-K9 2500 Series Wireless Controller for up to 15 Cisco access points CON-SNT-CT2515</p> <p>AIR-CT2504-RMNT= Cisco 2504 Wireless Controller Rack Mount Bracket</p> <p>One year Cisco SMARTnet 8x5xNBD cover for all items</p>

1.4 CISCO SWITCH

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	<p>CISCO SWITCH (LAYER 3)</p> <p>C1-WS3650-48PD/K9 Cisco One Catalyst 3650 48 Port PoE 2x10G Uplink</p> <p>CON-ECMU-C1S36548 SWSS UPGRADES Cisco One Catalyst 3650 48 Port Poe 2x10</p> <p>S3650UK9-37E CAT3650 Universal k9 image</p> <p>PWR-C2-640WAC 640W AC Config 2 Power Supply</p> <p>CAB-TA-EU Europe AC Type A Power Cable</p> <p>PWR-C2-BLANK Config 2 Power Supply Blank</p> <p>C1FPCAT36502K9 Cisco One Foundation Perpetual - Catalyst 3650 48-port</p> <p>CON-ECMU-C1FC3652 SWSS UPGRADES C1 FND Perpetual-Catalyst 3650 48-port</p> <p>C3650-48-L-S C3650-48 LAN Base to IP Base Paper RTU License</p> <p>C1-PI-LFAS-2K3K-K9 Cisco ONE PI Device License for LF & AS for Cat 2k, 3k</p> <p>C1-ISE-BASE-48P Cisco ONE Identity Services Engine 50 EndPoint Base Lic</p> <p>WS-C3650-48TS-S with 250WAC power supply, 1 RU, IP Base feature set</p> <p>One year Cisco SMARTnet 8x5xNBD cover for all items</p>

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
5	<p data-bbox="477 201 886 233">CISCO SWITCH (LAYER 2)</p> <p data-bbox="477 237 932 268">24 Gigabit Ports Cisco Switch</p> <ul style="list-style-type: none"> <li data-bbox="477 275 922 306">-24 Gigabit Ethernet POE ports <li data-bbox="477 310 967 342">-2, 10 Gigabit Fibre Link Interfaces <li data-bbox="477 346 634 378">-Cisco IOS <p data-bbox="477 422 1268 453">One year Cisco SMARTnet 8x5xNBD cover for all items</p>

1.5 CISCO WIRELESS ACCESS POINT (LIGHTWEIGHT)

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
14	<p>AIR-CAP2602I-E-K9 CISCO 802.1n CAP w/CleanAir; 3X4:3SS; Mod; Int Ant; E Reg Domain</p> <p>AIR-AP-BRACKET-1 CISCO 802.11n AP Low Profile Mounting Bracket (Default)</p> <p>AIR-AP-T-RAIL-R CISCO Ceiling Grid Clip for Aironet APs - Recessed Mount (Default)</p> <p>SWAP2600-RCOVRY-K9 CISCO Cisco 2600 Series IOS WIRELESS LAN RECOVERY</p> <p>CON-SNT-C262IE SMARTNET 8X5XNBD 802.11a, .11g AP, ETSI Cnfg S113W7K9-12410JA CISCO SMARTNET 8X5XNBD 802.11n CAP w/CleanA</p> <p>One year Cisco SMARTnet 8x5xNBD cover for all items</p>

1.6 CISCO PHONES

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
50	<p>CS.CP-8851-K9= Cisco UC Phone 8851</p> <p>CS.CON-SNT-CP8851K9 CON-SNT for PHONVOC Series Products, Collaboration TS - CBR – CBP</p> <p>One year Cisco SMARTnet 8x5xNBD cover for all items</p>

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
2	<p>(For Switchboard) CS.CP-BEKEM= Cisco IP Phone 8800 Key Expansion Module</p> <p>CS.CON-SNT-CPBEKEM CON-SNT for PHONVOC Series Products, Collaboration TS - CBR – CBP</p> <p>One year Cisco SMARTnet 8x5xNBD cover for all items</p>

1.7 TWO (2) HP SERVERS

This form will be used for commissioning of the equipment. Incomplete or non-submission of this form will entail rejection of the proposal.

Non-submission of relevant certificates may entail elimination of the proposal.

TECHNICAL SPECIFICATIONS FOR SADC RPTC SERVER(S)		
Specifications	SADC Requirement	Supplier Compliance
New and Unused	Yes	
Manufacturer	HP	
Model	specify	
Form Factor	Rack Mountable	
Operating System	Windows Server 2016	
Backup Software	Symantec Backup Exec Capacity Based 1TB	
1. Processor		
Compatibility	64-bit	
Processor Speed	At least 2.0 GHz each	
Processor Core	At least 12 core	
Number of Processors	At least 2	
2. RAM		
RAM capacity	At least 128 GB	
3. KEYBOARD		
Keyboard type	USB	
4. MOUSE		
Type	USB, Optical	
5. Networking		
10/100/1000 Network Interface Card	At least 4	
6. Ports		
· USB 2.0 or higher	At least 4	
7. MASS STORAGE DRIVES		
Internal Storage	At least 12TB	
8. DVD-RW Drive		
	Yes	
9. MISCELLANEOUS		

Power Supplies	At least two	
Electrical Connections	Zimbabwe Standard	
Warranty	At least 3 years	
10. OTHER FEATURES PROPOSED BY SUPPLIER		

Notes:

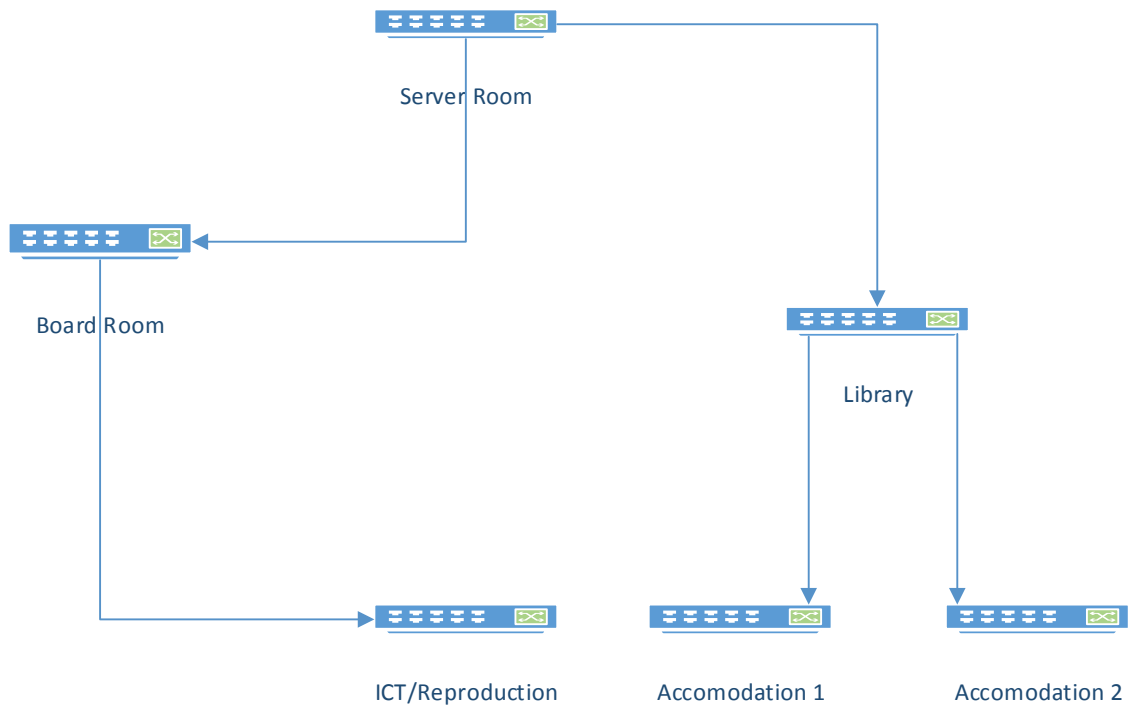
- 1 Supplier will install (including registration of software) and commission the proposed equipment.
- 2 All items will be on at least three-year warranty after commissioning of the equipment.
- 3 All software proposed should come with certificate of authenticity (where applicable).
- 4 All prices quoted should be inclusive of taxes and duties applicable.
- 5 Upon delivery of equipment, the supplier will submit certificate of origin issued by the manufacturer to certify the genuineness of the equipment (with details such as serial numbers of all equipment shipped for the account of the supplier/customer, configuration and makes of major parts used in the assembly). This document will be used for the commissioning of the equipment.
- 6 Supplier should not modify this form when completing the information and should submit relevant brochures.

1.8 UPS

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	-20KVA UPS supply and installation -Supply and Installation of electrical cabling and 54 UPS sockets (red sockets) throughout the training center One year warranty for UPS and associated accessories

1.9 FIBRE BACKBONE CABLING

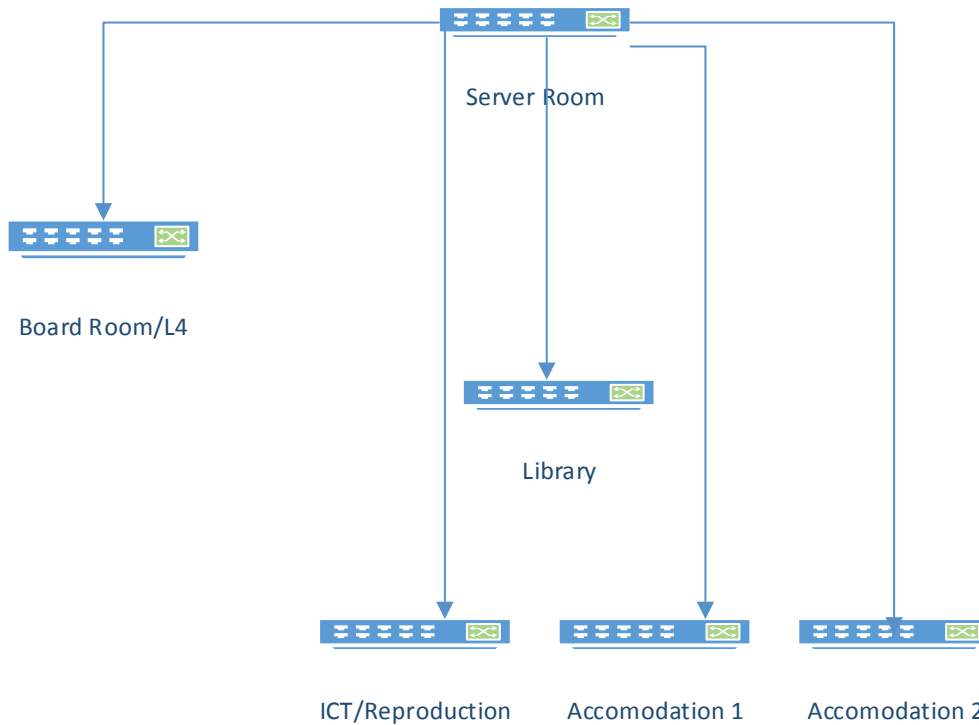
CURRENT/EXISTING FIBRE LAYOUT



1.9.1 OPTION 1 (PRICE SEPARATELY)

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	<ul style="list-style-type: none"> -Supply installation and termination of five (5) fibre backbone links, 70-200m length (Star connection from the server room to: Board Room (L4) ICT/Reproduction office, Library, Accommodation 1 and Accommodation 2 blocks -One (1) server room rack mounted fibre patch panel -Five (5) rack mounted fibre patch panels - Dig trench (where necessary), protect/cover cable(s) with proper conduit pipes and trunks.

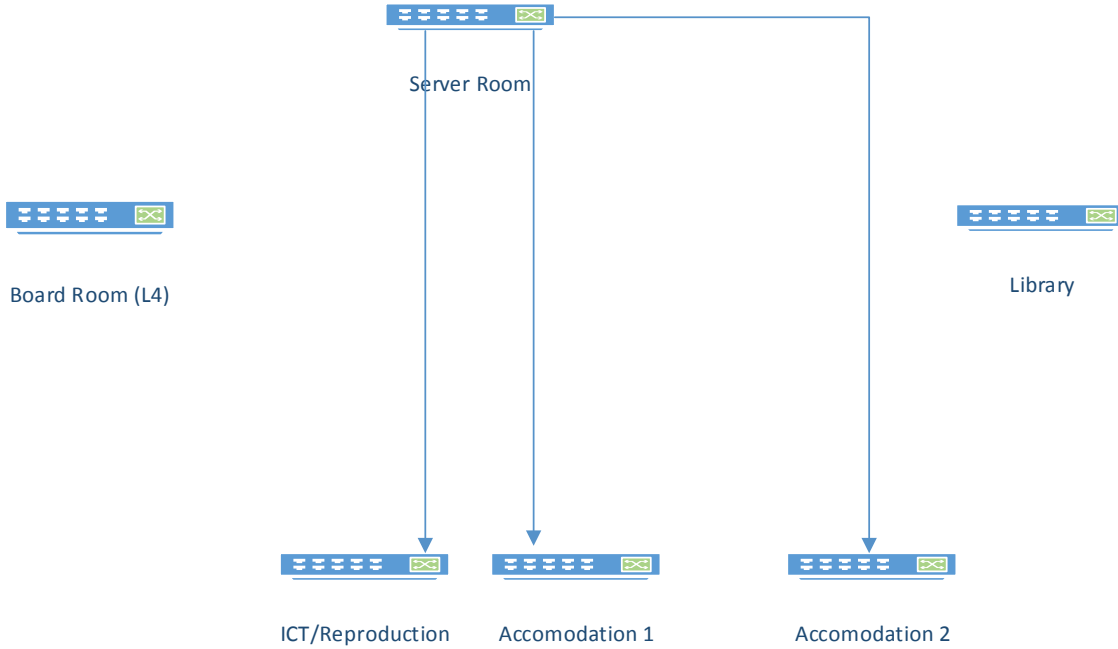
FIBRE OPTION 1, RUN NEW CABLES FROM SERVER ROOM TO EACH ACCESS CABINET



1.9.2 OPTION 2 (PRICE SEPARATELY)

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	-Supply installation and termination of three (3) fibre backbone links, 70- 200m length (Star connection from the Server Room to: ICT/Reproduction office, Accommodation 1 and Accommodation 2 blocks) -One (1) server room rack mounted fibre patch panel -Three (3) rack mounted fibre patch panels - Dig trench (where necessary), protect/cover cable(s) with proper conduit pipes and trunks.

FIBRE OPTION 2, HANGING SWITCHES WILL USE EXISTING FIBRE CABLES



1.9.3 OPTIONAL CAT 6 UTP LAN CABLING (PRICE SEPARATELY)

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	Supply installation and termination of one hundred and fifty-two (152) RJ45 network points (50 RJ45 twin face plates/wall jacks) Dig trench (where necessary), protect/cover cable(s) with proper conduit pipes and trunks.
2	Supply and installation of one (1) forty-eight (48) ports CAT6 rack mounted patch panels
3	Supply and installation of five (5) twenty-four (24) ports CAT6 rack mounted patch panels
4	Supply and installation of 100, 0.5M CAT6 UTP rack patch cables
5	Supply and installation of 100, 1.5M CAT6 UTP patch cables

1.10 INSTALLATION AND CONFIGURATION

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	<p>Installation and configuration and test of all supplied hardware and software as follows</p> <ul style="list-style-type: none">-Wireless and Cable LAN Infrastructure. Create separate VLANs for Telephones, Wireless LAN, Cable LAN, Servers LAN etc.-DNS and DHCP servers- Call Manager for intercom and external calls.-RAID and Windows Server 2016 operating system on each of the two supplied servers-Four virtual Windows Server 2016 servers on each of the two supplied servers-Two Active Directory (AD) virtual servers, one in each physical server.-Join fifteen (15) users to the created domain and migrate their previous profiles' data to new domain profiles.-Two file sharing virtual servers (file servers), one in each physical server. Native Microsoft replication between the two servers.-Windows Activation, Update and Antivirus Installation in all installed server. Antivirus software will be provided.-Logs server in one of the installed virtual servers.-Symantec Backup Exec 16 in one of the installed virtual servers.

1.11 POST IMPLEMENTATION SUPPORT

QUANTITY	DESCRIPTION OF GOODS OR SERVICES
1	<ul style="list-style-type: none">-One-year post implementation support of the installed infrastructure -Two (2) hours response time for emergency calls (System or critical part of the system not working) -Four (4) hours response time for critical calls (e.g. Hard disk malfunction led, UPS alarm) -Twenty four (24) hours response time for normal calls (e.g. one of the paired Network of UPS power ports not working) -Monthly routine system checkups.

1.12 ANY ADDITIONAL REQUIREMENTS BY SUPPLIER

QUANTITY	DESCRIPTION OF GOODS OR SERVICES

ANNEX 2.

2.1 QUOTATION FORMAT (*Supplier must fill*)

Item N°	Description	Qty	Description of any deviations from Technical Specs.
1.			

2.2 PRICE LIST AS PER TECHNICAL SPECIFICATIONS (*Supplier must fill*)

No.	ITEM	PRICE EXCLUSIVE(USD)
1	1 Fortigate Firewall	
2.	1 Cisco Router	
3.	1 Cisco Wireless Controller	
4.	1 Layer 3, 48 Ports Cisco Switch	
5.	5 Layer 2, 24 Ports Cisco Switch	
6.	14 Cisco Wireless Access Points	
8.	50 Cisco 8851 phones	
9.	2 Cisco 8851 phone expansion module	
10.	20 KVA UPS and Accessories Supply and Installation	

11.	54 UPS power sockets (wiring and installation)	
12..	2 Servers	
13.	Installation, Configuration, Documentation and Training of Infrastructure Administrators and Staff	
	SUB TOTAL (VAT EXCLUSIVE)	
	VAT	
	TOTAL (VAT INCLUSIVE)	

2.3 FIBRE OPTION 1 (RUN 5 FIBRE BACKBONE CABLES) (Supplier must fill)

No.	ITEM	PRICE VAT EXCLUSIVE(USD)
1	-Supply installation and termination of five (5) fibre backbone links, 70-200m length each (Star connection from the server room to: Board Room (L4) ICT/Reproduction office, Library, Accommodation 1 and Accommodation 2 blocks -One (1) server room rack mounted fibre patch panel -Five (5) rack mounted fibre patch panels - Dig trench (where necessary), protect/cover cable(s) with proper conduit pipes and trunks. - Multimode fibre cable (1000m)	
	SUB TOTAL (VAT EXCLUSIVE)	
	VAT	
	TOTAL (VAT INCLUSIVE)	

2.4 FIBRE OPTION 2 (RUN THREE FIBRE CABLES) (Supplier must fill)

No.	ITEM	PRICE VAT EXCLUSIVE(USD)
1	-Supply installation and termination of three (3) fibre backbone links, 70- 250m length each (Star connection from the Server Room to: ICT/Reproduction office, Accommodation 1 and Accommodation 2 blocks) -One (1) server room rack mounted fibre patch panel -Three (3) rack mounted fibre patch panels - Dig trench (where necessary), protect/cover cable(s) with proper conduit pipes and trunks. - Multimode fibre cable estimated maximum length(700m)	
	SUB TOTAL (VAT EXCLUSIVE)	
	VAT	
	TOTAL (VAT INCLUSIVE)	

2.5 CABLING PRICE LIST(Supplier must fill)

No.	ITEM	PRICE VAT EXCLUSIVE(USD)
1	152 NETWORK POINTS	
2.	6 FIBRE PATCH PANELS	

3.	6 CAT6 UTP PATCH PANELS	
4.	100, 0.5M CAT6 UTP RACK PATCH CABLES	
5.	100, 1.5M CAT6 UTP PATCH CABLES	
6.	CAT6 UTP (3000m)	
	SUB TOTAL (VAT EXCLUSIVE)	
	VAT	
	TOTAL (VAT INCLUSIVE)	

2.6 WIRELESS APs DISTRIBUTION

No.	LOCATION	NUMBER OF APs
1	Administration Block	3
2.	Bar & Restaurant	2
3.	Lecture Rooms (L1-L4)	4
4.	Breakaway Rooms (Upstairs)	1
5.	Accommodation 1 Block	2
6.	Accommodation 2 Block	2
	Total	14

2.7 NETWORK PORTS AND UPS SOCKETS DISTRIBUTION

No.	LOCATION	NUMBER OF NETWORK POINTS	NUMBER OF UPS SOCKETS
1	Administration Block	42	22

2.	Bar & Restaurant	6	3
3.	Board Room (L4)	6	3
3.	Lecture Rooms (L1-L3)	12 (4 in each room)	6 (2 in each room)
4.	Breakaway Rooms (Upstairs)	8(2 in each room)	4(1 in each room)
5.	Accommodation 1 Block	40 (2 in each room)	2(for data cabinet)
6.	Accommodation 2 Block	20 (2 in each room)	2(for data cabinet)
7.	Library	12(for computers)	8(2 for data cabinet, 6 for computers)
8.	ICT/Reproduction	6	4
	Total	152	54

2.8 FURTHER BREAKDOWN OF NETWORK AND UPS SOCKETS DISTRIBUTION

2.8.1 ADMINISTRATION BLOCK		
Room	Network	UPS
Server Room	6	4
Conference Room	4	2
Assistant Accountant	4	2
Admin & Finance	2	1
Training & Operations	4	2
Tea Area	2	1
Snr. Officer Operations& Training	2	1
Commandant	2	1
Secretary to Commandant	2	1
Reception	2	1
Waiting Room	2	1

RQMS&CSM	4	2
Office	2	1
Procurement	2	1
Deputy Commandant	2	1
TOTAL	42	22

2.8.2 BAR & RESTAURANT		
Room	Network	UPS
Dining Area	2	1
Bar	2	1
Catering Office	2	1
TOTAL	6	3

2.8.3 BOARD ROOM (L4)		
Room	Network	UPS
Main Room	6	2
Patch Room		2
TOTAL	6	4

2.8.4 ICT/REPRODUCTION		
Room	Network	UPS
Office	6	2
Data Cabinet		2
TOTAL	6	4