

Tender No:  
KDUSC/PRO/CAP/019/2021

M/S.....  
.....  
.....



General Sir John Kotelawala Defence University,  
Southern campus, Edison Hills,  
Nugegalayaya, Sewanagala, Sri Lanka.  
Adjutant 0473624894  
Procurement Officer 0473624893  
Fax 0473620811  
[www.kdu.ac.lk](http://www.kdu.ac.lk)

17 September 2021

### **INVITATION TO BID AND GENERAL CONDITIONS OF TENDER**

1. The Rector of the General Sir John Kotelawala Defence University – Southern Campus, as the Chairman, Department Procurement Committee invites Bid/s from prospective Bidders for supply of **items listed and specifications of the items are indicated in Annex “A”.**

2. **CLOSING DATE & TIME.** The tender will close at 1000hrs on 05/10/2021. Any Bid submitted after the closing time of the tender will be rejected & unopened such bids will be returned to the bidder.

3. **VALIDITY OF BID.** The bid submitted under this tender **must be valid for a period of 120 days from the date of closing of tender.**

4. **VALUE ADDED TAX.** The Bidders who bid for locally delivered items must have the VAT registration. The VAT portion must be shown separately in the price schedule in Annex “A” and VAT registration number must be indicated. If the quoted item is exempted from VAT or Bidding Company is not liable for VAT, reference number and date of relevant Act number/Gazette notification/a certificate (as applicable) **issued for the current financial year** from the Commissioner General of Inland Revenue to that effect should be submitted along with the Bid.

5. **BID SUBMISSION.** The **bidder must duly sign at the last page (before Annexes) of this document** indicating the name of the signatory and the name of the company & place the company common seal to confirm the acceptance of tender conditions. **The Bid/s that do not include authorized signature will be rejected.** The Bid/s duly signed by the bidder enclosed and sealed in an appropriate cover addressed to the following address should be sent by registered post or could be deposited in the **appropriate tender box placed at General Sir John Kotelawala Defence University- Southern Campus, Edison Hills, Nugegalayaya, Sewanagala.** (at the Main Entrance of General Sir John Kotelawala Defence University) on or before the time & date specified for the closing of tender. **The tender reference number, date & time of closing tender should be indicated & underlined at the top left corner of the envelop.**

6. **BID OPENING.** All duly received bids **will be opened immediately after the scheduled closing time of Bids at the same venue.** Bidders or their accredited agents could be present at the time of opening of bids.

7. **PRICES.** For locally delivered items (including locally manufactured items & foreign items imported by the bidders) price must be quoted in Sri Lankan Rupees, inclusive of all charges for delivery of items to General Sir John Kotelawala Defence University- Southern Campus stores at Sewanagala. **Unit price, VAT and Total price should be clearly indicated in schedule in Annex “A”.**

8. **DELIVERY.** Preference will be given for early delivery. In case of bulk supplies for locally manufactured items, the delivery of **total quantity must be completed within 120 days of signing of contract,** unless mutually agreed for extended delivery period with General Sir John Kotelawala Defence University. **The bidder/s must indicate the proposed delivery schedule in Annex “E”.** In the event of placing a purchase order with the successful bidder, the total quantity so ordered must be supplied as one consignment unless part deliveries are agreed upon in the contract. The deliveries not made as per agreed delivery schedule will be considered as bad performances by the suppliers and **no extended delivery period will be authorized.**

9. **PAYMENT TERMS FOR LOCALLY DELIVERED ITEMS.** Payment will be made after acceptance of items which should be subjected to a pre-acceptance inspection/testing by General Sir John Kotelawala Defence University authorities. Any item that does not confirm to the specifications or already approved sample will be rejected & it is the responsibility of the supplier to remove them from General Sir John Kotelawala Defence University stores/premises within 07 working days of such intimation (either verbal or written) at his own cost and replace them with items conforming to specification within one month of such rejection.

10. **Special Instruction SAMPLES/PAYMENT OF TESTING CHARGES.**

When it is required to submit samples, **every offer** must be accompanied with pre - marked samples. The marking of samples **indicating the Bidder & Offer number** must be done and the samples must be handed over to the officer at same place where tender box is placed **on or before the closing date & time of the Bid.** Samples submitted after closing time of the Bid will be rejected. When the testing charges are required to be paid, bidders shall pay testing charges separately **for all offers** indicated in their bid/s.

(i) **Samples.** Please submit..... Samples.

(ii) **Testing Charges.** A sum of Rs. .... **per offer** must be paid to the Assistant Bursar of KDU, prior to the submission of bid and a copy of the receipt must be annexed to the bid. It is the responsibility of bidder to inform the Cashier of the Account Office to note the tender number on the receipt issued for such payments.

11. **RIGHTS OF THE PROCUREMENT COMMITTEE.** The General Sir John Kotelawala Defence University – Southern Campus Procurement Committee reserve the right to **accept or reject** whole or part of this tender and their decision will be final. The successful bidders will be notified. Information with regard to rejected or unsuccessful bids will not be communicated.

Thanking You,  
Yours Faithfully,



**For Rector**  
**General Sir John Kotelawala Defence University**  
**Southern Campus**

I/We agree to abide by the conditions of tender and undertake to supply the items as per delivery schedule mentioned in the contract, in the event of an order been placed with me/my firm/company as a result of this tender.

.....  
Signature

.....  
Name of Signatory

NIC:.....

.....  
Name of the Company/Bidder

Date :- .....

Company seal

KDUSC/PRO/CAP/019/2021

Annex "A"

SR/ NO	Description	Denomination of Qty	Qty Required	Country/ Brand Or Origin	Unit Price	Total Price
	<b><u>PURCHASE OF NETWORK ITEMS FOR ESTABLISHING WORKSHOP IN NETWORK ADMINISTRATION CENTER - SOUTHERN CAMPUS KDU</u></b>					
1	SFP Modules (1000BASE-LX/LH SFP Transceiver Module) (Specifications attached as annex "B")	No's	5			
2	SC - SC Full Duplex Multimode Fiber patch code	No's	5			
3	RJ 45 Connectors CAT 06 1 Pkt (100 Nos) (AMP or Equivelent)	No's	1			
4	Boot Caps 1 Pkt (100 Nos)	No's	2			
5	CAT 6 Full Copper Cable Box (300m)	No's	1			
6	1 Port RJ45 Key Stone with face plate (Specifications attached as annex "C")	No's	20			
7	DSL Router with Data Dongle (Specifications attached as annex "D")	No's	1			
8	i7 8th Gen LAPTOP with SSD (Specifications attached as annex "E")	No's	1			
9	Mini PC (Specifications attached as annex "F")	No's	1			
10	DDR 3 4GB Ram Card (Specifications attached as annex "G")	No's	2			
11	DDR 4 4GB Ram Card (Specifications attached as annex "H")	No's	2			
12	HDMI TO VGA Converter Adapter (Specifications attached as annex "I")	No's	1			
13	USB TO RJ 45 Converter Adapter 10/100/1000 Mbps (Specifications attached as annex "J")	No's	2			
14	USB-3.0-to-SATA-Adapter-Cable (Specifications attached as annex "K")	No's	1			
15	Laptop HDD Enclosure (Specifications attached as annex "L")	No's	1			
16	Advance Cable Tester (Specifications attached as annex "M")	No's	1			
17	Cable Crimping Tool (Specifications attached as annex "N")	No's	1			
18	5-Pack Reusable Thermal Paste (Heat sink compound) (Specifications attached as annex "O")	No's	2			
19	CMOS Battery	No's	20			
20	Measuring Tape	No's	1			
21	Wire Ties 100 pkt	No's	2			
	<b>Note:</b>					
	<b>VAT: ..... (08%)</b>					
	<b>Grand Total:.....</b>					
	<b>Warranty:.....</b>					
	<b>Make Model &amp; Country</b>					
	<b>* Please Indicate The Unit Price After All Possible Discount.</b>					
	<b>* Past experiences are to be mentioned</b>					

- I. Validity of Offer  
 II. Delivery Period  
 III. Credit Period  
 IV. Discount if any  
 V. Ex- Stock availability

.....  
 Rubber Stamp of the Firm

.....  
 Signature of Authorized Officer

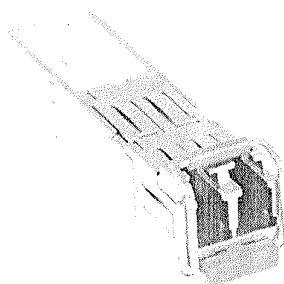
Name: .....  
 T/Phone No: .....  
 E mail : .....

Registration No: .....

### **01. Specification for SFP Transceiver Module Multi – Mode**

<b>Item</b>	<b>Minimum Specifications</b>	<b>Conformity to specification Yes/No</b>	<b>Bidder Response</b>
<b>Brand</b>	(Specify)		
<b>Make / Model</b>	GLC-SX-MMD, 1000 Base LX/LH is preferable		
<b>Country of Manufacture</b>	(Specify)		
<b>Year of Manufacture</b>	(Specify)		
<b>OEM and reseller authorization</b>	COC or certificate of OEM and reseller authorization letter issued by the OEM or authorized distributor		
<b>Warranty</b>	<b>3 Years or more</b>		
<b>Brochure</b>	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

#### **Sample Photo (Illustration purpose only)**

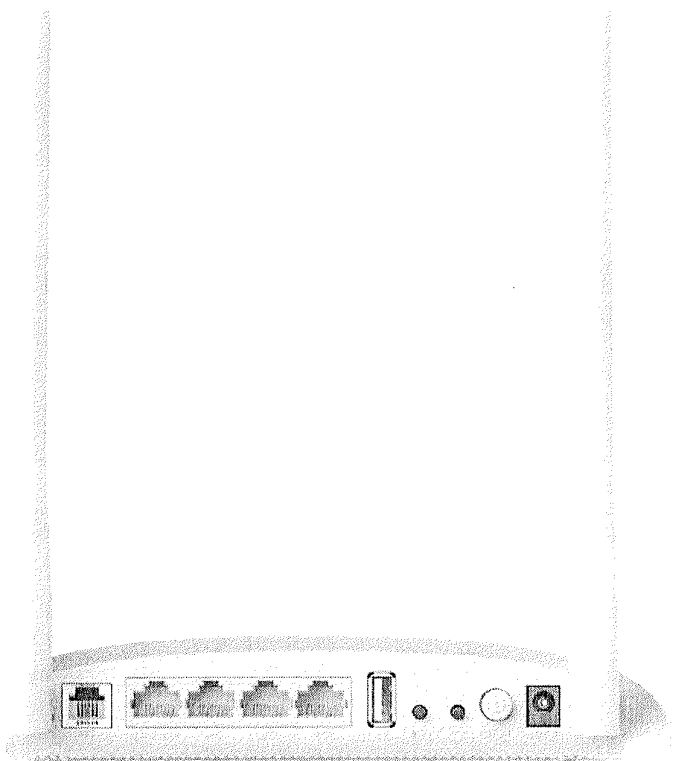


**06. Specification for 1 Port RJ45 Key Stone with face plate**

Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	GLC-SX-MMD, 1000 Base LX/LH is preferable		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Warranty	6 months or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

**Sample Photo (Illustration purpose only)**





Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Ports	1× 100/1000 Mbps LAN/WAN Port, 3× 100/1000 Mbps LAN ports, 1× RJ11 port, 1× USB 2.0 Port		
Button	WPS/Reset Button, Wi-Fi Button, Power On/Off Button		
External Power Supply	9V/0.85A		
VDSL2 Standards	ITU-T G.993.2, ITU-T G.993.5 (G.vector), ITU-T G.998.4 (G.INP)		
ADSL Standards	Full-rate ANSI T1.413 Issue 2, ITU-T G.992.1(G.DMT), ITU-T G.994.1 (G.hs), ITU-T G.995.1		

<b>Operating Modes</b>	DSL Modem Router, 3G/4G Router, Wireless Router		
<b>Management</b>	Remote management, Telnet management, Command Line Interface, SSL for TR-069, SNMP V1/V2C, Web-Based Firmware Upgrade, CWMP(TR-069), Diagnostic Tools		
<b>Protocols</b>	Supports IPv4 and IPv6		
<b>Wireless Functions</b>	Enable/Disable Wireless Radio, WMM, Wireless Statistics		
<b>Wireless Security</b>	Supports 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions		
<b>DHCP</b>	Server, Client, DHCP Client List, Address Reservation, DHCP Relay		
<b>Signal Rate</b>	300 Mbps at 2.4 GHz		
<b>Frequency</b>	2.400 - 2.4835 GHz		
<b>Port Forwarding</b>	Virtual Server, Port Triggering, UPnP, DMZ, Manage Control		
<b>Dynamic DNS</b>	DynDns, NO-IP		
<b>Package Contents</b>	DSL Modem Router TD-W9970 External DSL Splitter RJ11 DSL Cable RJ45 Ethernet Cable Quick Installation Guide Power Adapter Data Dongle		
<b>Warranty</b>	<b>1 Year or more</b>		
<b>Brochure</b>	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

## 08. Specification for Laptop

	Description	Minimum Requirement	Bidder's Compliance	
			Yes/No	If “No” Your Offer
1	Product data			
	Equipment Type	Notebook Computer		
	Country of Origin	Please Specify		
	Country of Manufacture	Please Specify		
	Brand	Please Specify		
	Model	Please Specify		
2	Processor			
	Type	Core i7		
	Processor Model	08 Generation or above		
	Processor Clock Rate	2.3 GHz or Higher		
	Max base frequency	4.10 GHz		
	L3 Cache	6MB or Higher		
3	System Memory			
	Installed RAM	Minimum 8 GB		
	Memory Type	DDR 4 2133 or Higher		
	No of Memory Slots	Minimum 2		
4	Hard Disk Drive			
	HDD Capacity	1TB with 5400rpm or Higher And		
		128/256 GB SSD		
	Device Interface	SATA Drivers		
5	Video controllers			
	Video Card	Please Specify		
	Graphics Memory Size	Dedicated 2GB or Higher		
6	Display			
	Diagonal viewable length	15.6 inch (Minimum)		
	Minimum Display Resolution	HD (1366 x 768 pixels) or Higher		
7	Audio Output			
	Sound card	HD Audio Support		
8	Networking			
	Wire Solution	100/1000Mb/s Minimum		
	Wireless Solution	802.11a/b/g/n/ac		
		Bluetooth 4.0		
9	External I/O connectivity			
	USB Ports	04 Nos, at least 03 x USB 3.0		
	USB C port	01 Nos		
	RJ45 Network Port	01 Nos		
	Video Outputs	HDMI		
	Microphone Input	1		
	Headphones Speakers	2 (Stereo)		
	SD Card reader	SD Card reader with SD, SDHC, SDXC Support		
10	Battery Power Supply			
	Type Capacity	3 or 4-cell Removable Battery		
	Operating Time	40 WHr		
	Warranty for the battery	minimum 03 years		
11	General			
	Keyboard	Full-size		
	DVD Writer	Type - DVD +/- RW Super Multi DL Portable DVD RW		
	Mouse	Optical Bluetooth mouse with the same notebook Brand		



	Web Camera	Integrated 720 P or Higher		
	Carrying Case	Original backpack or carrying case with the same Brand Screen Scratch Protection Stickers + Key board dust guard		
	keyboard	Backlit		
12	<b>Software</b>			
	Operating system	not required		
	MS Office	not required		
	Anti-virus software	not required		
13	<b>Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided</b>	Supplier Should Have Certified Repair Centre and Island wide Branches for immediate Warranty facility		
14	<b>Vendors Experience</b>	Supplier should have at least 5 Years' Experience by selling this Product		
15	<b>Authorization</b>	Supplier should be a Manufacture Authorized Agent in Sri Lanka and Proof should be provided		
16	<b>Brochures</b>	Brochures for the offered model <b>must be submitted</b> along with the tender.		
17	<b>Warranty 5 year</b>	5 years comprehensive on-site warranty including all parts and labour and covering against all types of defects and faults related to the product quality and workmanship.  1. Maximum Response time of 3 hours 2. Maximum Resolution Time of 8 working hours.  (In failure to do so, vendor must supply a backup Laptop with similar capabilities)		
18	<b>Warranty 3 year</b>	3 years comprehensive on-site warranty including all parts and labour and covering against all types of defects and faults related to the product quality and workmanship.  1. Maximum Response time of 3 hours 2. Maximum Resolution Time of 8 working hours.  (In failure to do so, vendor must supply a backup Laptop with similar capabilities)		
19	Indicated the prices for the 3 year and 5 year warranty period separately in the Price schedule			

**09. Specification for Mini PC**

Item No.	Listed Specification		Bidders Response YES / NO	If "NO" indicate the specification offered
1.1	Make	To be specified		
	Model	To be specified		
	Country of Origin	To be specified		
	Country of Manufacture /Assembly	To be specified		
	Manufacture Authorization Letter (OEM)	Should be available		
	Brand	Internationally Reputed Branded with ISO Certificate		
	Form Factor	UCFF (Ultra Compact) or USFF (Ultra Small)		
	Processor	Intel® Processor with at least 02 Cores & 02 Threads with a minimum speed of 2.7 GHz and 64-Bit Support		
	Memory	4 GB DDR4 or better		
	Storage	120 GB Solid State Disk Drive		
	Graphics Controller	Integrated HD Graphics Media		
	Sound Card	Stereo with Mic-input or better (Optical Support Required)		
	Keyboard & Mouse	MS Windows Compatible Keyboard and 03 Button with scroll wheel		
	Networking	1000 Mbps or better LAN		
	Wireless Interface	433 Mbps Dual band 802.11 a/b/g/n/ac		

	IO Ports	At Least 04 USB Ports - Version 3.0, Head Phone Out, Microphone In, Ethernet RJ45 Socket		
	Video Output	Full Size HDMI Port with 4K Support x 2		
	Operating System	Genuine Microsoft Windows 10 64 Bit Enterprise or Better  Should have domain join capability  Bidder should attach authorization letter		
	Physical Security	Should have a Kensington lock slot		
	Warranty	3 years Comprehensive Manufacturer's Warranty  Same Business Day  One to One Replacement		
	Maintenance	Comprehensive On-Site Support and Maintenance.  Bidders shall quote maintenance charges in respect of the computer for three consecutive years after completion of warranty as a percentage of the quoted price.  Bidders should furnish details about manufacturer Partnership		
	Manuals & CDs	Optional		
1.2	Display	19" HD LED Widescreen Monitor with 03 Year Warranty		
1.3	Delivery	Ex-Stocks with immediate delivery		

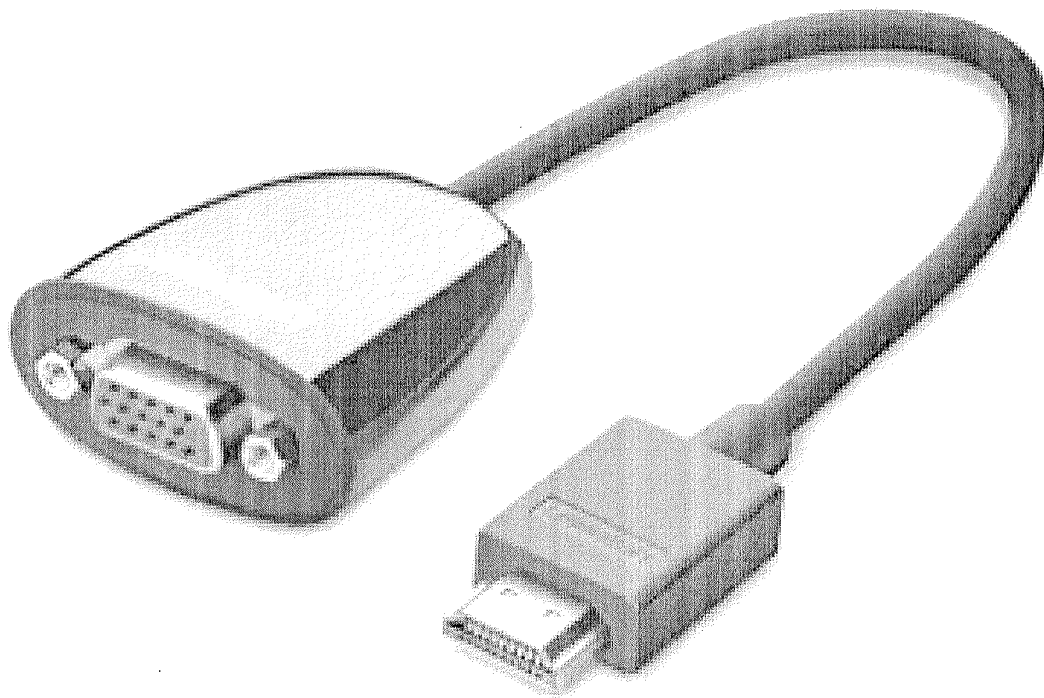
**10. DDR3 –4GB Ram Card**

<b>Description</b>	<b>Minimum Requirement</b>	<b>Bidder's Compliance Yes/No</b>	<b>If " No" Bidders Offer</b>
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
<b>Capacity</b>	<b>4GB</b>		
Memory Type	<b>DDR3</b>		
Memory Speed	<b>1600 MHz</b>		
Storage Interface	USB 3.0		
Pin Configuration	240 pins		
Hard Drive Type	External hard drive		
Memory Package	DIMM		
Module Configuration	512M x 64		
<b>Brochures</b>	Brochures for the offered model shall be submitted along with the tender.		
<b>Warranty</b>			
Warranty	<b>3 years Comprehensive or more</b>		

**11 DDR4 –4GB Ram Card**

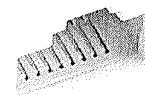
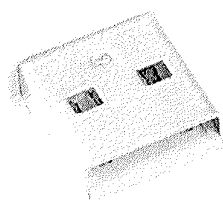
Description	Minimum Requirement	Bidder's Compliance Yes/No	If " No" Bidders Offer
<b>General</b>			
Manufacturer	Specify		
Brand	Specify		
<b>Capacity</b>	<b>4GB</b>		
Memory Type	<b>DDR4</b>		
Memory Speed	<b>2400 MHz/ PC4 19200</b>		
Storage Interface	USB 3.0		
Pin Configuration	288 pins		
Hard Drive Type	External hard drive		
Memory Package	DIMM		
Module Configuration	512M x 64		
<b>Brochures</b>	Brochures for the offered model shall be submitted along with the tender.		
<b>Warranty</b>			
Warranty	<b>3 years Comprehensive or more</b>		

## 12. Specification For HDMI To VGA Converter Adapter



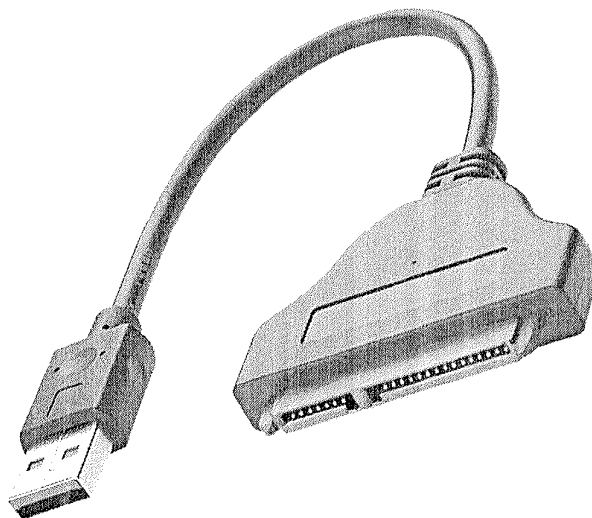
Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
and	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Support	1920*1080		
Warranty	1 Year or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

### 13. Specification for USB TO RJ 45 Adapter



Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Compliant to USB interface version	2.0/ 3.0/ 3.1		
Mbps	1000		
Warranty	1 Year or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

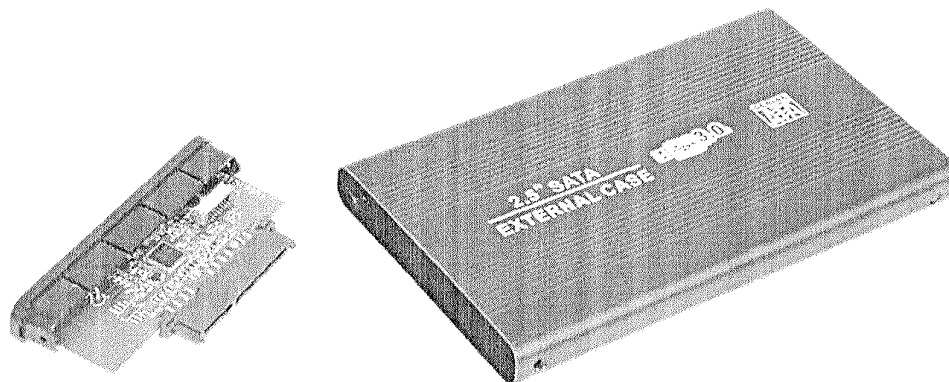
## 14. Specification for USB-3.0-to-SATA-Adapter-Cable



Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Compliant to USB interface version	2.0/ 3.0/ 3.1		
Transmission rate	high speed (5Gbps) USB3.0/ full speed (480 Mbps) USB2.0, USB 3.0 interface is 150MB/ seconds		
Support SATA transfer rate	SATA III (6 Gbps), SATA II (3 Gbps), SATA I (1.5 Gbps). Hard disk 2 terabytes.		
Warranty	1 Year or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		



## 15. Specification for Laptop HDD Enclosure



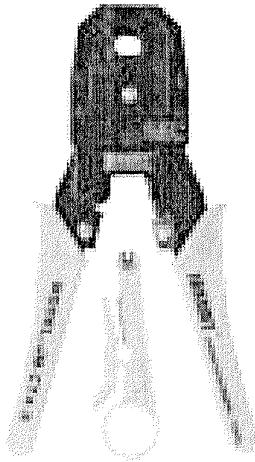
Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Compliant to USB interface version	2.0/ 3.0/ 3.1		
Transmission speed	5GB / ps		
Support SATA transfer rate	SATA III (6 Gbps), SATA II (3 Gbps), SATA I (1.5 Gbps). Hard disk 2 terabytes.		
Warranty	1 Year or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

**16.Specification For Advance Cable Tester**

Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Main Function	Detecting PoE voltage		
	Current		
	PSE standards Power supply modes		
	Verify RJ45 cables		
	Detect AC voltage presence (50V-1000V). Test physical status for STP, UTP LAN cable		
Measure cable length	200m or more		
POE testing	4000 counts		
Range selection	Auto and manual ranges		
Over display	"O. L" is displayed (except AC/DC 600V ranges)		
Sampling rate	2 times / sec		
Power consumption	7mW at DCV		
Bandwidth	40~400Hz		
Fuse / Battery	0.5A/250V 1.5kA $\phi$ 5.2x20mm / R6P x 2		
Warranty	1 Year or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

# 17. Specification for Crimping Tool (Economy Ratchet

Crimp Tool)



Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
Connector Compatible	RJ-11/45		
Warranty	1 Year or more		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		

## 18. 5-PACK REUSABLE THERMAL PASTE (7 OZ/200G)

Annex "O"



Item	Minimum Specifications	Conformity to specification Yes/No	Bidder Response
Brand	(Specify)		
Make / Model	(Specify)		
Country of Manufacture	(Specify)		
Year of Manufacture	(Specify)		
<b>5-PACK REUSABLE THERMAL PASTE</b>			
Thermal Conductivity	>1.93W/m-K		
Thermal Impedance	<0.225°C-in <sup>2</sup> /W		
Thixotropic Index	380±10 1/10 mm		
Moment Bearded Temperature	50~300°C		
Operation Temperature	30~280°C		
Brochure	Supplier should provide brochure/ catalogue of make/ model quoted to justify the specification		