

### यर्चे ब.में ज.पहूर्य.बार्श्यवाज्या.धूर्य.क्री SAMTSE COLLEGE OF EDUCATION



### STANDARD BIDDING DOCUMENT

# Supply of ICT Equipment & Items for 2024-2025

(Samtse College of Education)



Royal Government of Bhutan Ministry of Finance 2023





# तर्चैया.भैज.पहूष.चिश्च्याजया.भूच.क्री

### DUCATION



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1	Package	5
2	Quotation	Supply of ICT Equipment & Items for 2024-2025
3	Last date of submission	22 <sup>th</sup> July,2024 at 12pm
4	Place of submission	Office of Store In-Charge
5	Date of opening	22 <sup>th</sup> July, 2024 at 2.30pm
6	Place of opening	Conference Hall
7	EMD	Nu. 12000 (Twelve Thousand only)



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### Supply of ICT Equipment & Item for 2024-2025

#### TERMS AND CONDITIONS

- 1. The rates quoted shall be CIF Samtse College of Education for the **Supply of ICT** Equipment & items for 2024-2025. Generally, the rates quoted shall be inclusive of all charges/levies/taxes which the suppliers shall bear.
- 2. The quotation should be accompanied by the valid trade license issued by the Ministry of Economic Affairs and the Tax Clearance Certificate issued by the Department of Revenue and Customs, Royal Government of Bhutan, as the enclosure. Quotation without a valid trade license and tax certificate as enclosure shall be rejected.
- 3. The tender shall be accompanied by an application to the PRESIDENT, Samtse College of Education.
- 4. Sealed envelopes containing the quotation shall be marked **Original** and **Duplicate** in separate envelopes. The quotation will be opened in the Conference Hall, Samtse College of Education on 22th July 2024 at 2.30 PM.
- 5. The rates quoted shall be valid for a period of 12 months from the date of quotation.
- 6. Goods should be supplied within 30 days from the date of issue of the purchase order.
- 7. Earnest money of **Nu.12000.00** (**Twelve thousand**) only should be furnished in the form of Cash Warrant/Bank Draft/Unconditional bank guarantee in favor of the PRESIDENT, Samtse College of Education. Quotation without earnest money shall be rejected.
- 8. The College reserves the right to vary the quantity up to 10% on the same terms and conditions.
- 9. All equipment supplied must be as per the specification and any fake item noticed shall be rejected, returned at the supplier's cost and shall be dealt with as per Clause 18 of the terms and conditions.
- 10. The College reserves the right to reject all or any tender without assigning any reason.
- 11. If the supplier fails to supply the required quality and quantity of goods, the College Administration will forfeit the earnest money and terminate the



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contract without any explanation and the supply order will be given to the next evaluated lowest bidder.

- 12. Failing to submit the quotation within the submission dateline shall be declared as 'late' and rejected. The same would be returned unopened to the supplier.
- 13. The rules and regulations for the establishment and operation of Industrial and Commercial ventures must be adhered to with regard to the establishment of license ventures.
- 14. The rates should be quoted against the specification provided and failing to quote in conformity with the specification shall be disqualified for evaluation.
- 15. The purchaser shall not be responsible for any damage, loss or due incident that occurred during the transportation. The supplier will be fully responsible for making them good at his own cost.
- 16. The supplier should have a warranty of one year from the date of delivery.
- 17. The supplier should be able to supply the material immediately during the time of emergency and if the bidder fails to supply the required material the bidder shall bear the expenses to purchase from another supplier for the College, Samtse.
- 18. The committee will directly reject the tender if the supplier supplies duplicate/fake or compromised material and the College Administration will forfeit the earnest money and terminate the contract without any explanation and the supply order will be given to the next evaluated lowest bidder.
- 19. If the selected bidder fails to supply the goods within the stipulated time, the liquidated damages of **Nu.0.1%** per day of the bill amount will be imposed.
- 20. Pursuant to the condition above, the second-lowest bidder at his quoted rate shall be asked to supply the goods after submitting performance security to the College Administration.
- 21. The performance security retained with the College shall be refunded to the concerned supplier after the completion of the supply of goods.
- 22. The College will process the bills for payment only upon complete delivery of the goods to the College.
- 23. Decision taken by the College Tender Committee will be final and binding.



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24. In addition to the terms and conditions mentioned above, all other relevant regulations of the Procurement Rules and Regulation 2023, shall apply where specific mention is not made.



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	List of ICT Equipments for 2024-2025			
Sl. No Description of Items Make/Brand Unit Price (Nu.)		Unit Price (Nu.)	Remarks	
1	Computer Parts & Accessories			
1.1	External SSD 1TB			
1.2	Internal HDD 8 TB			
1.3	USB Mouse (Good Quality)			
1.4	USB Keyboard (Good Quality)			
1.5	Standard VGA Card			
1.6	10GB Dual port PCI-express 2.0x8 Ethernet Expansion Card			
1.7	1GB Dual port PCI-express 2.0x8 Ethernet Expansion Card			
1.8	Standard 10/100/1000Mbps LAN Card			
1.9	VGA Cable 15m			
1.10	HDMI Cable 15m			
1.11				
1.12	, , , , , , , , , , , , , , , , , , ,			
1.13				
1.14	USB thumb Drive (8 & 16 GB)			
1.15	HDMI Splitter (One Input and three ore more outputs)			
1.16	VGA Splitter (One Input and three are more			
1.17	<del>  • '</del>			
1.18	HDMI to Mini HDMI Cable 10m for Canon EOS 5D Mark IV Camera			
1.19	Flach For Canon FOS 5D Mark IV Camera			
1.20	128GB Ultra SDXC UHS-I Memory Card			
2	LCP Projector (Epson EB-S49 or Equivalent)			
	Display Type: LCD			
	• Light Output: 3,600Lumens			
	• Warranty: 2 Year(s)			
	• Features: Convenient Connection to a			



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	Document Camera, Direct Display from USB, Eco Friendly, HDMI Connectivity, High Contrast Ratio, Horizontal Keystone Adjuster, IR Receivers, Wireless Transmission		
Ì	• Audio: Mono		
Ì	• Life of Lamp - Full Usage: 6000Hours		
Ī	• Life of Lamp - Eco Usage: 12000Hours		
Ī	• Screen Coverage: 30-350 Inches		
İ	• Contrast Ratio: 16000:1		
İ	• Throw Ratio: 1.38:1 - 1.65:1		
İ	• Resolution: SGA(1024x768)		
İ	Audio Output: 1 Watts		
İ	Projector Lens: No Optical Zoom-Focus		
	Manual		
3	Projector Lamps		
3.1	EPSON LAMP (EB-S31)		
3.2	EPSON LAMP (EB-S42)		
4	Presenter Remote(Logitec or equivalent)		
5	Printers		
1	Features: Auto Duplex Printing Printer		
Ī	Type: Black and White Printing		
İ	Technology: Laser Print Resolution:		
İ	1200x1200 DPI <b>Print Speed Black:</b> 45 PPM		
İ	Paper Size: A4, Letter Paper Tray: standard		
5.1	500 Sheets <b>Network Interface and Connectivity:</b> USB Host, USB 2.0 High-		
Ī	Speed, 10BASE-T/100 BASE-		
Ī	TX/1000BASE-T Build-in Fast Ethernet <b>Duty</b>		
İ	Cycle: 100000 Pages per month		
Ī	Softwares: Printer Driver CD and		
Ī	Accessories		
6	Back-UPS		
6.1	APC-UPS Backup RS 1100		
7	PowerStrip		
7 1	Universal PowerStrip (15amp) with AC noise		
7.1	filter		
8	Computer repairs and maintenance		
8.1	IP (for wash board)		
8.2	Laptop battery Tester/Charger	 	



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8.3	Laptop Repairing Tools Kits	
8.4	Digital Multimeter (kusum maco)	
0.5	Velleman VTMUS2 Crimping Tool Kit for	
8.5	Network Cables	
8.6	Ethernet cable Tester	
9	Epson ELPAP10 Wireless Dongle	
	This high-speed, wireless network adapter	
	plugs directly into select Epson projectors	
	allowing quick and easy access to the LAN or	
	peer-to-peer networks without wires or cables.	
	When used with Epson EasyMP Monitor and	
	Network Projection software, users can	
	remotely access and control projectors over	
	the wireless LAN.	
	• Compliant with 802.11 b/g/n standards	
	• Uses USB type A connector	
	<ul><li>Compatible with PC or Mac</li><li>Able to transmit audio</li></ul>	
	Model: V12H731P02	
10	Fiber Patch panel (LIU Loaded)	+
	12 ports	
10.1	12 ports	
10.2	24 ports	
10.3	48 port	
11	Switch rack	
11.1	Switch rack 9U	
12	Fiber patch code	
12.1	Single mode, 3M SC-to-LC	
12.2	Single mode, 3M LC-to-LC	
13	R45 Connectors	
13.1	R45 Connectors	
14	UTP cable	
14.1	Cat6e indoor	
14.2	Cat6e outdoor	
14.3	Armored fiber optic cables (in meter)	
15	SFP Module	



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15.1	<ul> <li>SFP module, 1.25G, SM 1310nm,</li> <li>Flexible architecture (Should be compatiable with major brands of switch)</li> <li>Hot-swappable</li> <li>RoHS compliant</li> <li>Compliant to SFP+ Electrical MSA SFF-8431</li> <li>Compliant to SFF-8472 MSA</li> </ul>	
16	Wireless Access Point - Indoor & Outdoor (Unifi or Equivalent )	
16.1	UAP U6 Pro or U7 Pro PoE Adapter: Yes	
16.2	PoE Adapter for Unifi Indoor AP output of 48V UPOE-af	
17	Switches	
17.1	Core switch (Allied Telesis AT-x230-28GP/Equivalent)	
17.1.1	Managed Switch with 24 x 10/100/1000T PoE ports and 4 x 100/1000X SFP ports - 3 years replacement warranty	
17.1.2	Managed Switch with 24 x 10/100/1000T ports and 4 x 100/1000X SFP ports - 3 years replacement warranty	
17.2	Edge Switch (Allied Telesis AT-x230- 18GP/Equivalent)	
17.2.1	Managed Switch with 16 x 10/100/1000T PoE ports and 2 x 100/1000X SFP ports - 3 years replacement warranty	
17.2.2	Managed Switch with 16 x 10/100/1000T ports and 2 x 100/1000X SFP ports - 3 years replacement warranty	
17.3	Edge Switch (Allied Telesis AT-x230- 10GP/Equivalent)	
17.3.1	Managed Switch with 8 x 10/100/1000T PoE ports and 2 x 100/1000X SFP ports - 3 years replacement warranty	
17.3.2	Managed Switch with 8 x 10/100/1000T ports and 2 x 100/1000X SFP ports - 3 years replacement warranty	



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17.4	Router (Cisco 7200 Series or Equivalent)	specs attached
	Router (Cisco 7200 Series of Equivalent)	attachea
18	Camera & Microphone (compatible with MAXHUB Interactive Panel)	
18.1	4K USB/HDMI Video Conference System -: Camera, Microphone, and Speaker Bar for Large Conference Rooms - Presenter Tracking, NoiseBlock AI + Echo Cancellation, Intelligent Facial Detection and Auto Framing, 12MP camera with 10x digital zoom, Ultra-wide 120-degree field of view, 8 meters clear pickup distance, 25 feet Expansion microphone - Teams/Zoom Certified. System Stand: Yes, 2 years replacement warranty	
19	pfSense hardware	
18.1	<ul> <li>CPU: Intel "Xeon-DE" D-1537, 1.7 GHz</li> <li>FCBGA 1667 supported SoC</li> <li>Standard: Standard 1U rack mount</li> <li>CPU Cores: 8</li> <li>Memory: 32 GB ECC UDIMM</li> <li>Storage: 256 GB M.2 SSD</li> <li>Network Interfaces: Dual LAN via Intel® i350-AM2 1 Gigabit • Ethernet, Dual LAN via SoC 10GbE SFP+, Virtual Machine • •</li> <li>Device Queues reduce I/O overhead, Supports 10GbE (SFP+), 100BASE-TX, and 1000BASE-T (RJ45), 1x Realtek RTL8201N</li> <li>PHY (dedicated IPMI)</li> <li>Network Expansion: 4-Port Intel GbE and 2-port Chelsio SFP+ Expansion</li> <li>USB Ports: 2x 3.0 ports</li> <li>Console Port: VGA</li> <li>Case: Standard 1U rack mount</li> <li>Cooling: Active</li> <li>License for Software: Free and Open Source Software. No license or subscription fee</li> <li>Warranty Period: Three years</li> </ul>	2.28.27



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	•Equivalent to XG-1537 MAX pfSense+		
	Security Gateway		
	• CPU: Intel "Xeon-DE" D-1537, 1.7 GHz		
	FCBGA 1667 supported SoC		
	Standard: Standard 1U rack mount     GRU Cores: 8		
	• CPU Cores: 8		
	<ul><li>Memory: 32 GB ECC UDIMM</li><li>Storage: 256 GB M.2 SSD</li></ul>		
	Network Interfaces: Dual LAN via Intel®		
	i350-AM2 1 Gigabit • • Ethernet, Dual LAN		
	via SoC 10GbE SFP+, Virtual Machine • •		
	• Device Queues reduce I/O overhead,		
	Supports		
	10GbE (SFP+), 100BASE-TX, and 1000BASE-T		
	(RJ45), 1x Realtek RTL8201N •PHY		
	(dedicated IPMI)		
	•Network Expansion: 4-Port Intel GbE and 2-		
port Chelsio SFP+ Expansion			
	•USB Ports: 2x 3.0 ports		
	Console Port: VGA		
	Case: Standard 1U rack mount		
	Cooling: Active		
	•License for Software: Free and Open Source		
	Software. No license or subscription fee		
	Warranty Period: Three years		
	•Equivalent to XG-1537 MAX pfSense+		
	Security Gateway		
•			
20	Cartridge		
20.1	HP Toner Cartridge (12 A)		
20.2	HP Toner Cartridge (CE 505 A)		
20.3	HP Toner Cartridge (80A)		
20.4	HP Toner Cartridge 5646 (006R01046)		
20.5	Hp laser jet Cartridge-CE255A		
20.6	NPG-51 Toner black		
20.7	Cannon Cartridge -324		
20.8	Hp toner Cartridge 88 A		
20.9	Xerox phaser Toner cartridge(113R00711)		



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20.30	HP Laser jet pro M542dn tonner( set of 4) (CF410A)		
20.31	Prima 8 card printer- CX-D80 9YMCK Dye film and Retransfer film set)		
20.32	Epson L1300 tonners set		
20.33	HP Laser jet pro MFP M128fn (CC388A)		
20.34	Xerox MFP B235		

Router Specifications		
Network interface modules		
(NIM)	3	
Maximum switched Ethernet		
LAN ports with PoE	48	
EtherSwitch Service Module		
type (width)	2 single or 1 double	
PoE support (wattage) without		
PoE boost	500 W (with optional power supply redundancy)	
Intrusion prevention	Yes	
Cisco Cloud Web Security	Yes	
Form factor	2 RU	
SSL VPN	No	
Module online insertion and		
removal (OIR)	Yes	
Power supply type	Internal; AC, PoE or DC	
Maximum switched Ethernet		
ports	48	
Hardware VPN acceleration		
(DES, 3DES, AES)	No	
Redundant power supply	Yes - Internal RPS	
Management port	1 GE (Integated Out of Band)	
PoE support (wattage) with		
PoE boost	950 W (no power supply redundancy)	
Integrated Services Card (ISC)		
slots	1 (PVDM 4)	
Server virtualization platform		
(UCS E-Series)	wide, 6-core double-wide, 8-core double-wide	
Enhanced Services Module		
(SM-X)	2 single or 1 double-wide	
Identity-based networking	No	



## पर्चियाः मिलायह्रयः यद्भियाः लयाः श्रुपः म्ही

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Zone-based fiewall and NAT services	VRF-Aware Firewall and Network Address Translation (NAT)
USB Ports (type A)	2
Integrated WAN ports	2 PoE GE / SFP; 2 GE / SFP
Default/max DRAM	4 GB / 16 GB
Default/max Flash	8 GB / 32 GB
Performance	1 Gbps upgradeable to 2 Gbps