

COMPARATIVE FOR COMPUTER AND ACESSORIES FOR FY 2022-2023							
SL	ITEMS & SPECIFICATION	UNIT	RATE				
			PANGLUNG ENTERPRISE	COMPU- TER CITY	THARLAM INFOTECH AND SOLUTION	M/S NGN Technologie s Private Limited	Lamla Enterprise
1	RJ-45	pkt	1248.000	990.000	10.000	783.000	10.000
2	CMOS Battery	no	48.000	80.000	45.000		320.000
3	Ethernet to USB Adapter (10/100/100mbps)	no	1488.000	1490.000	650.000		670.000
4	USB Hub,USB Hub for Laptop, 10/100Mbps USB Ethernet Adapter with 3 USB 2.0 Ports and RJ45 LAN Port Compatible with MacBook,for Chromebook and More USB Supported Devices	no	2477.000	5999.000	1250.000	1912.000	6800.000
5	Connection for UTP cables with connector RJ45 Compatible with UTP Category 6 Female-female connection	no			165.000		940.000
6	Network cable tester 9V battery	no	1240.000	90.000	1150.000	396.000	390.000
7	HDMI cable (30mtr)	no	4488.000	4470.000	3450.000	3204.000	1900.000
8	HDMI cable (10mtr)	no	1488.000	1300.000	1250.000	1606.000	1340.000
9	Factory crimped UTP patch cord cat6 (3 Mtr)	no	188.000	390.000	240.000	558.000	390.000
10	Cat6 Snagless Ethernet Patch Cable (5mtr)	no		499.000	690.000		940.000
11	USB- Mouse	no	268.000	490.000	230.000	461.000	290.000
12	Printer USB Cable	no	208.000	299.000	220.000	416.000	290.000
13	Factory crimped UTP patch cord cat6 (5Mtr)	no	248.000	499.000	550.000	703.000	640.000
14	Cat6 Snagless Ethernet Patch Cable(10mtr)	no		1099.000	1050.000		1140.000
15	Printer Cable (5mtr)	no	558.000	1690.000	720.000		270.000
16	16 GB- Pen drive	no	348.000	520.000	370.000	751.000	390.000
17	USB-Keybaord	no	338.000	590.000	475.000	654.000	1140.000
18	I/O Box with Complete face plate cat 6	no	467.000	690.000	420.000	654.000	295.000
19	32 GB-pen drive	no	398.000	590.000	440.000	783.000	620.000
20	Simplex UPC/SC-UPC/SC fiber patch cord SM 2.0mm, 1 meter	no	1400.000			1267.000	1750.000
21	Simplex UPC/SC/FC-LC fiber patch cord SM 2.0mm, 1 meter	no	1400.000			1267.000	1750.000
22	Factory crimped UTP patch cord cat6 (10Mtr)	no	614.000	1450.000	1100.000	1267.000	695.000
23	VGA to HDMI/USB convertor	no	799.000	3500.000	740.000	1106.000	780.000
24	HDMI to VGA convertor	no	458.000	800.000	540.000	1106.000	780.000

25	Fiber patch code FC-SC single mode (5mtr)	no	750.000				595.000
26	Fiber patch code FC-SC SM Duplex (5mtr)	no	950.000				840.000
27	Fiber patch code LC-SC single mode (5mtr)	no	750.000				595.000
28	Fiber patch code LC-SC SM Duplex (5mtr)	no	950.000				840.000
29	Fiber patch code SC-SC single(5mtr)	no	1000.000				595.000
30	Fiber patch code SC-SC Duplex(5mtr)	no	1000.000				840.000
31	Fiber patch code LC-LC single(5mtr)	no	1000.000				610.000
32	Fiber patch code LC-LC Duplex(5mtr)	no	1000.000				840.000
33	Fiber patch code FC-LC Single(5mtr)	no	1000.000				610.000
34	Fiber patch code FC-LC SM Duplex(8mtr)	no	1200.000				1430.000
35	Wireless- Mouse	no	677.000	999.000	785.000	1106.000	640.000
36	Wireless- Keyboard	no	994.000	1450.000	1100.000	2073.000	875.000
37	Factory crimped UTP patch cord cat6 (20Mtr)	no	780.000		1700.000		
38	128 GB- pen drive	no	1440.000	1399.000	1150.000	1638.000	
39	NIC card (Network/ Ethernet Card 10/100/1000 GB)	no	1780.000	1800.000	2350.000		1840.000
40	Pointer-USB Wireless Presenter, RF 2.4GHz Powerpoint Clicker Presentation Remote Control Pen with battery or equivalent	no	2650.000	2450.000	3350.000		2900.000
41	Air Blower (to Clean server and Computers)	no	2188.000	2900.000	1750.000		3800.000
42	USB3.0 Ethernet adaptor (10/100/1000Mbps)	no	1740.000	1490.000	2950.000		1740.000
43	500 GB- Desktop -IDE/SATA (INTERNAL HARD DISK)	no	2250.000	4400.000	750.000	2879.000	3200.000
44	Rack mountable, 8 ports Gigabit Ethernet Managed L2 Switch with 2 SFP slots and power cord	no			32500.000		13430.000
45	4 GB- Desktop Memory-RAM	no	2248.000	1900.000	1450.000	2879.000	2640.000
46	Factory crimped UTP patch cord cat6 (100 Mtr)	no	3600.000	1450.000	3000.000	4007.000	3800.000
47	4 GB- laptop Memory-RAM	no	2248.000	2199.000	1450.000	2879.000	2740.000
48	500 GB - Laptop-SATA (INTERNAL HARD DISK)	no	2740.000	4400.000	2950.000	3201.000	4800.000
49	Network Toolkits set (Cable Crimper, tester, I/O box puncher)	set	6400.000	14500.000	7550.000	5135.000	7500.000
50	Media Converter (10/100/1000 BASE-TXTO 1000 BASE-FX	pair		4800.000	3550.000	4491.000	3200.000
51	10/100/1000Base-T to 1000Base-BX 20km Single Fiber WDM Media Converter	pair			5500.000		
52	1 TB- Laptop-SATA (INTERNAL HARD DISK)	no	3848.000	4400.000	3950.000	5941.000	3900.000
53	1 TB- Desktop -IDE/SATA (INTERNAL HARD DISK)	no	3848.000	4400.000	3950.000	5458.000	3400.000
54	256 GB- Desktop -SSD (INTERNAL HARD DISK)	no	2650.000	4500.000	3350.000	4168.000	4800.000
55	256 GB- Laptop-SSD (INTERNAL HARD DISK)	no	2650.000	3490.000	3350.000	4168.000	4800.000

56	8 GB- laptop Memory-RAM	no	3250.000	3450.000	2250.000	5135.000	4900.000
57	8 GB- Desktop Memory-RAM	no	3250.000	3550.000	2250.000	5135.000	4900.000
58	1 TB Wired External Hard Disk Drive (HP or Toshiba or equivalent)	no	4128.000	4600.000	4100.000	5780.000	
59	(Desktop- SMPS) Dell Optiplex 380	no	7000.000		9500.000	5817.000	
60	Switch rack - 6U, Wall mount Switch Rack width glass door lock and key.	no	5250.000		7600.000		6340.000
61	USB Console Cable USB to RJ45 Cable Essential Accesory of Cisco, NETGEAR, Ubiquity, LINKSYS, TP-Link Routers/Switches for Laptops in Windows, Mac, Linux (Blue	no		2999.000	5650.000		1300.000
62	(Desktop- SMPS) Dell Optiplex 3010	no	7000.000		9500.000		9800.000
63	Network cable CAT 6 305mtr	roll	8200.000	5999.000	6250.000	9738.000	6320.000
64	2 TB Wired External Hard Disk Drive (HP or Toshiba or equivalent)	no	5890.000	6800.000	6280.000	8037.000	6900.000
65	Projector- Screen Size Range- 66-inches from 8 feet- 107-inches from 12 feet Brightness- 3,000 ANSI Lumens. Computer compatibility- FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac Contrast Ratio- 23,000-1- Keystone Correction- Yes, Lens Shift- No 2 x HDMI (1.4a 3D support) + MHL v1.2, Audio Out 3.5mm, 12V trigger, 3D-Sync, USB service Display Technology- Single 0.65" DLP chip DMD Technology by Texas Instruments Operating Conditions- 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m with carrying case or equivalent with remote control	set		31599.000	9500.000	41991.000	48940.000
66	500 GB- Desktop -SSD (INTERNAL HARD DISK)	no	6800.000	6900.000	4900.000	6425.000	6900.000
67	Switch rack - 9U, Wall mount Switch Rack width glass door lock and key.	no	7500.000		8650.000	5817.000	7200.000
68	512 TB- Laptop-SSD (INTERNAL HARD DISK)	no	8450.000	5390.000	4900.000	6747.000	7430.000
69	(Desktop- SMPS) Dell Optiplex 390	no	7000.000		9500.000		9840.000
70	(Desktop- SMPS) Dell Optiplex 3040	no	7000.000		9500.000		9840.000
71	(Desktop- SMPS) Dell Optiplex 3050	no	7000.000		9500.000		9840.000
72	(Desktop- SMPS) Dell Optiplex 360	no	7000.000		9500.000		9840.000
73	Projector Screen- Portable 100inch 16-9 Manual Foldable Tripod Stand 87inch x 49inch White Projector Surface Screen 4-side Black Borders w/ 160 Degree (Reliable tripod to adjust height and housing position Sleek design, scratch resistant, white color- Screen surface could wipe with mild soap or water 4-side black masking borders increase picture focus and contrast) or equivalent	set	6500.000	6900.000	9500.000		9340.000

74	Projector Screen- 70-inch Diagonal, 16-9 Aspect Ratio. Leg Size. Silver Aluminum Frame. Screen Material- CineWhite, 1.1 Gain. 4K Ultra HD and Active 3D Projection Ready. Features 160 degree viewing angle with fully black backed front projection screen material. Mildew resistant, and easy to clean with soap and water. Compatible with Standard, Short Throw, UHD/HD projectors. Assembles in minutes without the use of tools! Lightweight aluminum square tube construction easily transports with included padded carrying bag. Screen is mildly weather resistant, but should not be left exposed to the elements for extended periods of time. For maximum longevity, disassemble screen and store away indoors. Features a fully tensioned, snap button frame that ensures a flat projection. Includes- single-piece aluminum frame with detachable legs, screen material, carrying bag, ground stakes, rigging cord, and support rings.	set	8900.000	8900.000	8500.000		7430.000
75	Switch manageable Gigabit (10/100/1000) 16 ports	no	65000.000				10300.000
76	One Touch SSD 500GB External Solid State Drive Portable &#8211; USB-C USB 3.0 for PC Laptop and Mac with carry case	no	6500.000	7900.000	4900.000	17063.000	
77	Smart UPS- Colour - BLACK    Form Factor- RACK / TOWER    Item Height 43.2 Centimeters    Item Width 48.3 Centimeters    Item Weight 11.5 Kg    Product Dimensions 8.5 x 48.3 x 43.2 cm    Wattage 2400 Watts    Included Components - Basic UPS Signalling RS-232 Cable, Installation guide, User Manual(APC or equivalent)	no					9400.000
78	Gigabit Ethernet KH Mini-GBIC SFP Transceiver-1300nm 1000m scp 21cfr(j) class 1 (SFP Module)	no					
79	Switch rack - 12U, Wall mount Switch Rack width glass door lock and key.	no	9000.000		12500.000	7269.000	9800.000
80	Rack mountable, 24 ports Gigabit Ethernet Managed L2 Switch with 4 SFP slots and power cord	no	24000.000		32500.000		38400.000
81	Switch manageable Gigabit (10/100/1000) 24 ports	no	48000.000			30565.000	43430.000
82	CISCO SYSTEMS 802.11ac Wireless Access Point (WAP371AK9)	no					
83	Rack mountable, 16 ports Gigabit Ethernet Managed L2 Switch with 2 SFP slots and power cord	no	12500.000		28500.000		59400.000

84	Scanner- Fastest scan speeds in its class1 &#8212; up to 25 ppm/50 ipm2- Single-Step Technology captures both sides in one pass Versatile scanning &#8212; scan 2-sided documents, receipts, business cards, plastic IDs and more Convenient portability &#8212; use AC power, or if there is no outlet, USB power4 from your computer Quick batch scanning for stacks of paper &#8212; 20-page Auto Document Feeder Powerful software included &#8212; easy scanning with intuitive Epson ScanSmart Software3- preview, email, upload and more- automatic file naming and object recognition save time Compatible with most office software &#8212; the included TWAIN driver allows for easy connection to most document management software Built-in Nuance&#174; Optical Character Recognition (OCR) &#8212; create searchable PDFs and editable Word and Excel files Easy sharing and collaboration &#8212; email or upload to popular cloud storage services3 such as Dropbox&#8482;, Evernote&#174;, Google Drive&#8482; Intelligent color and image adjustments &#8212; auto crop, skew correction, blank page and background removal with Epson Image Processing Technology Easy to use and set up &#8212; Windows&#174; and Mac&#174; compatible	set	27000.000	27000.000	31800.000		28430.000
85	HP LaserJet Pro M404dn, 2 GB available hard disk space, USB port and drivers cd and cartridge	no	32400.000	33000.000	27500.000		27340.000

86	Ruckus ZoneFlex R610 - Unleashed - wireless access point Specs and Prices- GENERAL Form Factor-external, Power Over Ethernet (PoE)-PoE, Authentication Method- Active Directory, RADIUS Height-2 in, Depth- 7.9 in, Manufacturer-Ruckus Wireless NETWORKING CapacityWireless clients- 500, Simultaneous VoIP clients- 30, Frequency Band- 2.4 GHz, 5 GHz, Type-Wireless access point Connectivity Technology-wireless, Data Link Protocol-IEEE 802.11a, IEEE 802.11ac Wave 2, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Network / Transport Protocol-FTP, FeaturesBeam- Flex+ Smart Antenna Technology, DHCP support, MU-MIMO technology, NAT support, Quality of Service (QoS), Trivial File Transfer Protocol (TFTP) support, auto-sensing per device, auto-uplink (auto MDI/MDI-X), security lock slot (cable lock sold separately), Compliant Standards-IEEE 802.11a, IEEE 802.11ac Wave 2, IEEE 802.11b, IEEE 802.11g, IEEE 802.11i, IEEE 802.11n, IEEE 802.1x, IEEE 802.3af, IEEE 802.3at Wireless Protocol-802.11a/b/g/n/ac Wave 2, Remote Management Protocol-CLI, HTTP, HTTPS, SNMP 1, SNMP 2, SNMP 3, TR-069, Telnet Data Transfer Rate-1300 Mbps, Wi-Fi Bands-2.4 GHz, 5 GHz, Encryption Algorithm-AES, TKIP, WPA2, WPA-PSK, Authentication Method-RADIUS, Active Directory Power Over Ethernet (PoE)PoE,	no					84430.000
87	Multi function Printer ((Print/scan/copy/Fax) with ethernet or wifi features and must support all windows 7/8/10-HP Laserjet Pro MFP M226dw Printer (Print, Scan, Copy, Fax, Wireless, Duplex, ePrint) with user manual, cartridge and drivers cd (HP or equivalent)	no	29400.000	34999.000	22800.000		37340.000
88	Projector- Specify high end projector with wireless, hdmi and vga functionality with carrying case or equivalent with remote control	set	88000.000	42500.000	38500.000		47900.000
89	Color Printer- HP Latest HP Color LaserJet Pro MFP M281fdw Wireless Multifunction All in One (Print, Photocopy, Scan, Fax) printer Plus a Free Printer Cable	no	28000.000	43700.000	42500.000		67430.000
90	HP LaserJet MFP M234sdwe Printer	no	29000.000	39000.000	31500.000		37340.000
91	Smart UPS- Colour - BLACK    Form Factor- RACK / TOWER   Item Height 43.2 Centimeters   Item Width 48.3 Centimeters   Item Weight 11.5 Kg   Product Dimensions 8.5 x 48.3 x 43.2 cm   Wattage 2400 Watts    Included Components - Basic UPS Signalling RS-232 Cable, Installation guide, User Manual(APC or equivalent)	no					8400.000

92	Sharp Digital Heavy Duty PhotoCopier plus Automatic Document Feeder - AR-6020 - Black and White Printer- Print, Copy, Scan Pages per minute- 20 B/W Paper capacity- Std 350 Max 1850 sheets Colour Scanner Standard SPLC technology for faster data transfer and enhanced throughput Optional network printing Optional 100 sheet Reversing Single Pass Feeder for better job efficiency Energy Star certified	no	240000.000	18500.000			69794.000
93	Heavy Duty Photocopier machine- bizhub C659	no			58500.000		57540.000
94	Rongda RD 3608 Coping Machines - Processing- High-Speed Automatic Digital Scanning/Fully Automatic, Thermal Screening Duplicator System, Original Input Type-Sheets and computer input, Paper Size- Max.A3 297mm&#215;420mm, Min. 100mm&#215;148mm, Print Area- Max. 248mm&#215;350mm, Original Size - Max.B4 297mm&#215;420mm,Min. 100mm&#215;148mm, Original Size -Max.B4 297mm&#215;420mm, Min. 100mm&#215;148mm, Original Thickness -40g/m2-120gm2, Original Mode - Letters or Images, Scanning Resolution- 300&#215;400 dpi, Time of First Paper Printed- Approx. 40 Seconds (B4)	no	222000.000	159999	135250.000		134340.000
95	Smart UPS 5000V A RM 2U LCD(120V)	no			256000.000		
96	APC Smart UPS 5000V A RM 2U LCD(120V)	no			256000.000		

97	RISO A2- Printing Image Resolution- 600 dpi x 600 dpi, Print Paper Weight- 46 &#8211; 120 gsm, Print Paper Size- Minimum 420 mm x 297 mm, Maximum 624 mm x 432 mm, Printing Area- 596 mm x 425 mm, Paper Supply Capacity- 1,000 sheets (64gsm-80gsm) / Maximum Height 110 mm, Paper Receiving Tray Load Capacity- 1,000 sheets (64gsm-80gsm) / Maximum Height 110 mm, Master-making Time Within- 60 seconds, Print Speed- 60, 80, 100 sheets per minute (three steps variable), Print Position Adjustment Vertical- 15mm, Horizontal- 10mmx1, User Interface- LED panel with Progress Arrow indicators, Functions- Idling, Print speed adjustment, Print density adjustment, Print position adjustment, Confidential mode, Programmed printing (1 type), Custom setting mode, RISO i Quality System, Auto-shut OFF, Auto-process, Proof, Clear job, Double feed check, Paper ejection adjustment, Imposition, 180-degree rotation, Marginless master making, Job settings, Screening type (Grain-touch/Screen-covered), Photo type (Standard/Close-up/Group), Brightness, Contrast, Backlight correction, Edge enhancement, Tone smoothing, Line art style (Grain-touch/Screen-covered/Solid-look), Text style (Bold/Slim), Power Consumption- Approx. 350W (100V) / 320W (220V), (At Ready- Approx. 52W (100V/220V), Dimensions -When in use- 1,435 (W) x 1,030 (D) x 735 (H) mm, When in storage- 780 (W) x 1,030 (D) x 635 (H) mm, Required Space- 1,665 (W) x 1,940 (D) x 970 (H) mm.	set	169000.000	155450.000	435000.000
----	---	-----	------------	------------	------------

**Committee Members:**

1) Deokar, Offtg. Procurement

2) Tshewang Jamtsho, FO

3) Sheraqb Tenzin, CDE

4) Karma Chopel, DPO

(Jamyang Cheda)  
**DZONGRAB GOM**  
**DTC CHAIRMAN**