

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
1	COMPUTERS						
A	DESKTOP-PC						
1	Desktop (Low-End)	Processor:	No	DELL	31,000.00	32,500.00	30,350.00
		Intel Core i3 (3MB Cache, 3.10GHz) Processor					
		Memory (RAM):					
		2GB-8GB DDR3 SDRAM 1600MHz					
		L3 Cache-3MB					
		Memory (Graphics):		HP	32,000.00	NQ	NQ
		Integrated Intel HD graphics					
		Disk Drives (HDD/FDD/CD/DVD):					
		320GB SATA Hard Drive 7200 RPM, DVD+/-RW drive with burner software					
		Networking:					
		Integrated Gigabit Network Card		LENOVO	33,000.00	NQ	NQ
		Modem:					
		Internal modem (optional)					
		Multimedia:					
		Integrated HD Audio with internal speaker					
		Keyboard and Mouse:		ASUS	29,000.00	NQ	NQ
		USB Keyboard, USB optical mouse with Pad					
		Ports/Slots:					
		6 USB 20, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc					
		Networking:					
		Integrated intel 82579LM ethernet controller, Fast ethernet datalink protocol		ACER	<u>NQ</u>	<u>NQ</u>	<u>NQ</u>
		Display:					
		20" Flat Panel Display					
		Preinstalled Softwares:					
		Operating System: Activated Windows 7 Professional 32-bit Media CD & System Recovery CD. Preinstalled MS Office 2010 Package and Microsoft Security Essential Security Software.					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
2	Desktop (Mid-End)	Processor:	No	DELL	36,000.00	38,000.00	36,350.00
		Intel® Core™ i5(8M Cache, 2.66 GHz) Processor					
		Memory (RAM):					
		4GB-16GB DDR3-1066/1333					
		Memory (Graphics):		HP	37,000.00	NQ	NQ
		Integrated Intel HD graphics					
		Disk Drives (HDD/FDD/CD/DVD):					
		500GB SATA Hard Drive 7200 RPM, Bluray, DVD+/-RW drive with burner software					
		Networking:		LENOVO	37,500.00	NQ	NQ
		Integrated Gigabit Network Card					
		Modem:					
		Internal modem (optional)					
		Multimedia:		ASUS	NQ	NQ	NQ
		Integrated HD Audio with internal speaker					
		Keyboard and Mouse:					
		USB Keyboard, USB optical mouse with Pad					
		Ports/Slots:		ACER	NQ	NQ	NQ
		7 USB 20, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc					
		Display:					
		20" Flat Panel Display					
		***Should provide mouse pad					
		Preinstalled Softwares:		DELL	54,000.00	46,000.00	48,650.00
		Operating System: Activated Windows 7 Professional 32-bit/64bit Media CD & System Recovery CD. Preinstalled MS Office 2010 Package and Microsoft Security Essential Security Software.					
		Processor:					
		Intel® Core™ i7(8M Cache, 2.66 GHz) Processor					
		Memory (RAM):					
		4GB-24GB DDR3-800/1066					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
3	Desktop (High-End)	Memory (Graphics):	No				
		Integrated Intel HD graphics		HP	55,000.00	NQ	NQ
		Disk Drives (HDD/FDD/CD/DVD):					
		500GB/1TB SATA Hard Drive 7200 RPM, Bluray, DVD+/-RW drive with burner software					
		Networking:					
		Integrated Gigabit Network Card		LENOVO	67,000.00	NQ	NQ
		Modem:					
		Internal modem (optional)					
		Multimedia:					
		Integrated HD Audio with internal speaker		ASUS	NQ	NQ	NQ
		Keyboard and Mouse:					
		USB Keyboard, USB optical mouse with Pad					
		Ports/Slots:					
		8 USB 20, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc		ACER	49,000.00	NQ	NQ
		Display:					
		***Should provide mouse pad					
		Preinstalled Softwares:					
		Operating System: Activated Windows 7 Professional 32-bit/64bit Media CD & System Recovery CD. Preinstalled MS Office 2010 Package and Microsoft Security Essentional Security Software.					
		B		LAPTOP PC			
		Processor:		DELL	33,500.00	30,000.00	28,650.00
		Intel Core i3-2370M 2.40GHz 3.0MB Cache processor					
		Memory (RAM):					
		3GB DDR3 SDRAM 1333MHz-2DIMS					
		Memory (Graphics):					
		Integrated Intel HD Graphics					
		Disk Drives (HDD/FDD/CD/DVD):					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
1	Laptop (Low-End)	320GB SATA Hard drive 7200 RPM, DVD+/-RW Optical drive with burner software	No	HP	36,700.00	NQ	NQ
		Networking:					
		Integrated Gigabit Ethernet & 802.11b/g/n wireless Card, bluetooth					
		Modem:		LENOVO	32,900.00	NQ	NQ
		56Kbps inbuilt Modem (optional)					
		Multimedia:					
		Integrated audio with speaker		ASUS	38,000.00	NQ	NQ
		Keyboard and Mouse:					
		Standard keyboard & Mouse, accessories and carrycase					
		Ports/Slots:		ACER	NQ	NQ	NQ
		USB, RJ-45, VGA, etc (should provide VGA to HDMI converter incase the VGA port is not Available in laptop)					
		Display:					
		14" high definition LED display with anti glare & integrated HD WebCam,		DELL	35,500.00	30,000.00	28,150.00
		Preinstalled Softwares:					
		Operating System: Activated Windows 7 Professional 32/64 bits (or latter version) & recovery CD. Pre-installed MS Office 2010 (or latter version) and latest Antivirus software .					
		Processor:		DELL	35,500.00	30,000.00	28,150.00
		Intel Core i3-2370M 2.40GHz 3.0MB Cache processor					
		Memory (RAM):		HP	36,500.00	NQ	NQ
		3GB DDR3 SDRAM 1333MHz-2DIMS					
		Memory (Graphics):					
		Integrated Intel HD Graphics		HP	36,500.00	NQ	NQ
		Disk Drives (HDD/FDD/CD/DVD):					
		320GB SATA Hard drive 7200 RPM, DVD+/-RW Optical drive with burner software					
		Networking:		HP	36,500.00	NQ	NQ
		Integrated Gigabit Ethernet & 802.11b/g/n wireless Card, bluetooth					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
2	Laptop (Low-End)	Modem:	No	LENOVO	34,900.00	NQ	NQ
		56Kbps inbuilt Modem (optional)					
		Multimedia:					
		Integrated audio with speaker					
		Keyboard and Mouse:		ASUS	54,000.00	NQ	NQ
		Standard keyboard & Mouse, accessories and carrycase					
		Ports/Slots:					
		USB, RJ-45, VGA, etc (should provide VGA to HDMI converter incase the VGA port is not Available in laptop)					
		Display:		ACER	NQ	NQ	NQ
		15" high definition LED display with anti glare & integrated HD WebCam,					
		Preinstalled Softwares:					
		Operating System: Activated Windows 7 Professional 32/64 bits (or latter version) & recovery CD. Pre-installed MS Office 2010 (or latter version) and latest Antivirus software .					
3	Laptop (Mid-End)	Processor:	No	DELL	39,000.00	37,777.00	35,850.00
		Intel® Core™ i5-3550S (6M Cache, up to 3.70 GHz)Processor					
		Memory (RAM):					
		4GB-32GB DDR3 SDRAM 1333/1600MHz-2DIMS					
		Memory (Graphics):		HP	42,000.00	NQ	NQ
		Integrated Intel HD Graphics					
		Disk Drives (HDD/FDD/CD/DVD):					
		320GB SATA Hard drive 7200 RPM, DVD+/-RW Optical drive with burner software					
		Networking:		LENOVO	39,900.00	NQ	NQ
		Integrated Gigabit Ethernet & 802.11b/g/n wireless Card, bluetooth					
		Modem:					
		56Kbps inbuilt Modem (optional)					
		Multimedia:					
		Integrated audio with speaker					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
		Keyboard and Mouse:					
		Standard keyboard & Mouse, accessories and carrycase					
		Ports/Slots:					
		USB, RJ-45, VGA, etc (should provide VGA to HDMI converter incase the VGA port is not Available in laptop)		ASUS	55,000.00	NQ	NQ
		Display:					
		14" high definition LED display with anti glare & integrated HD WebCam,					
		Preinstalled Softwares:		ACER	NQ	NQ	NQ
		Operating System: Activated Windows 7 Professional 32/64 bits (or latter version) & recovery CD. Pre-installed MS Office 2010 (or latter version) and latest Antivirus software .					
4	Laptop (Mid-End)	Processor:	No				
		Intel® Core™ i5-3550S (6M Cache, up to 3.70 GHz)Processor		DELL	36,700.00	37,777.00	35,625.00
		Memory (RAM):					
		4GB-32GB DDR3 SDRAM 1333/1600MHz-2DIMS					
		Memory (Graphics):					
		Integrated Intel HD Graphics					
		Disk Drives (HDD/FDD/CD/DVD):					
		320GB SATA Hard drive 7200 RPM, DVD+/-RW Optical drive with burner software		HP	39,000.00	NQ	NQ
		Networking:					
		Integrated Gigabit Ethernet & 802.11b/g/n wireless Card, bluetooth					
		Modem:					
		56Kbps inbuilt Modem (optional)					
		Multimedia:		LENOVO	39,100.00	NQ	NQ
		Integrated audio with speaker					
		Keyboard and Mouse:					
		Standard keyboard & Mouse, accessories and carrycase					
		Ports/Slots:					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
		USB, RJ-45, VGA, etc (should provide VGA to HDMI converter incase the VGA port is not Available in laptop)		ASUS	56,000.00	NQ	NQ
		Display:					
		15" high definition LED display with anti glare & integrated HD WebCam,					
		Preinstalled Softwares:		ACER	NQ	NQ	NQ
		Operating System: Activated Windows 7 Professional 32/64 bits <i>(or latter version)</i> & recovery CD. Pre-installed MS Office 2010 <i>(or latter version)</i> and latest Antivirus software .					
5	Laptop (High-End)	Processor:	No	DELL	54,000.00	49,000.00	47,650.00
		Intel Core i7 840QM					
		Memory (RAM):					
		4GB-32GB DDR3 SDRAM 1333/1600MHz-2DIMS		HP	56,000.00	NQ	NQ
		Memory (Graphics):					
		Integrated Intel HD Graphics					
		Disk Drives (HDD/FDD/CD/DVD):		LENOVO	53,999.00	NQ	NQ
		320GB SATA Hard drive 7200 RPM, DVD+/-RW Optical drive with burner software					
		Networking:					
		Integrated Gigabit Ethernet & 802.11b/g/n wireless Card, bluetooth		ASUS	NQ	NQ	NQ
		Modem:					
		56Kbps inbuilt Modem (optional)					
		Multimedia:					
		Integrated audio with speaker					
		Keyboard and Mouse:					
		Standard keyboard & Mouse, accessories and carrycase					
		Ports/Slots:					
		USB, RJ-45, VGA, etc (should provide VGA to HDMI converter incase the VGA port is not Available in laptop)					
		Display:					

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
		14" high definition LED display with anti glare & integrated HD WebCam, Preinstalled Softwares: Operating System: Activated Windows 7 Professional 32/64 bits (or latter version) & recovery CD. Pre-installed MS Office 2010 (or latter version) and latest Antivirus software.		ACER	NQ	NQ	NQ
6	Laptop (High-End)	Processor: Intel Core i7 840QM Memory (RAM): 4GB-32GB DDR3 SDRAM 1333/1600MHz-2DIMS Memory (Graphics): Integrated Intel HD Graphics Disk Drives (HDD/FDD/CD/DVD): 320GB SATA Hard drive 7200 RPM, DVD+/-RW Optical drive with burner software Networking: Integrated Gigabit Ethernet & 802.11b/g/n wireless Card, bluetooth Modem: 56Kbps inbuilt Modem (optional) Multimedia: Integrated audio with speaker Keyboard and Mouse: Standard keyboard & Mouse, accessories and carrycase Ports/Slots: USB, RJ-45, VGA, etc (should provide VGA to HDMI converter incase the VGA port is not Available in laptop) Display: 15" high definition LED display with anti glare & integrated HD WebCam, Preinstalled Softwares:	No	DELL HP LENOVO ASUS ACER	52,000.00 54,000.00 53,000.00 NQ	49,000.00 NQ NQ NQ	46,350.00 NQ NQ NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech & Solution
		Operating System: Activated Windows 7 Professional 32/64 bits (or latter version) & recovery CD. Pre-installed MS Office 2010 (or latter version) and latest Antivirus software.		ACER	NQ	NQ	NQ
2	EXTERNAL HARD DISK						
a		320 GB	No.				
b		500 GB	No.		2,200.00	5,000.00	3,850.00
c		1 TB	No.		4,200.00	6,000.00	4,750.00
3	PEN DRIVE/ THUMB DRIVE						
a		8 GB	No.		392.00	800.00	365.00
b		16 GB	No.		404.00	1,480.00	485.00
4	RAM						
I	Laptop						
a		1 GB	No		NQ	NQ	1,420.00
b		2 GB	No		NQ	2,000.00	1,750.00
c		4GB	No		3,200.00	4,800.00	2,750.00
d		8GB	No		6,800.00	7,800.00	4,650.00
II	Desktop						
a	DDR2	1 GB	No		NQ	NQ	1,420.00
b	DDR2	2 GB	No		NQ	NQ	1,750.00
c	DDR3	1 GB	No		NQ	NQ	NQ
d	DDR3	2 GB	No		NQ	3,800.00	1,850.00
e	DDR3	4 GB	No.		NQ	3,300.00	2,750.00
6	Laptop Bag						
a		Hanging	No		1,600.00	NQ	770.00
b		School bag/ bag pack	No		1,000.00	NQ	850.00
7	INTERNAL HARD DISK						
I	Desktop						
a	IDE	80 GB	No		NQ	NQ	NQ
b	SATA	80 GB	No		NQ	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
c	IDE	160 GB	No		NQ	NQ	NQ
d	SATA	160 GB	No		NQ	NQ	NQ
e	IDE	300/320 GB	No		NQ	NQ	NQ
f	SATA	320 GB	No		NQ	NQ	NQ
g	SATA	500GB	No		3,800.00	5,480.00	3,650.00
g	SATA	1TB	No		5,600.00	6,480.00	4,450.00
II	Laptop (SATA)						
a		160 GB	No		NQ	NQ	NQ
b		320 GB	No		NQ	NQ	NQ
c		500 GB	No		3,900.00	5,100.00	3,650.00
d		1 TB	No		5,750.00	6,000.00	4,450.00
8	STABLIZER						
a		Stablizer 1 KVA Stovol/equivalent	No		2,750.00	NQ	2,650.00
b		Stablizer 1.5 KVA Stovol/equivalent	No		4,250.00	NQ	3,950.00
c		Stablizer 2 KVA Stovol/equivalent	No		9,750.00	NQ	6,150.00
9	CAMERA						
a	Sony Cyber Shot Digital Camera DSC W800		no		8,700.00	10,000.00	9,450.00
b	Sony Cyber Shot Digital Camera DSC W810		no		8,900.00	10,000.00	9,150.00
c	Cannon 700d with lens (18-55mm)		no		58,900.00	NQ	46,850.00
d	NIKON COOL PIX A10		no		6,460.00	NQ	8,850.00
e	Cannon 10x175HS		no		NQ	NQ	9,850.00
f	NIKON COOL PIX S 3700		no		42,500.00	NQ	12,850.00
g	CANON Ivxs285hs		no		7,890.00	NQ	18,250.00
h	CANON POWER SHOT N2		no		NQ	39,000.00	24,950.00
i	Olympus 16 megapixel		no		NQ	NQ	13,950.00
j	Sony Cyber Shot 20.1 megapixel		no		8,690.00	NQ	7,950.00
k	Sony Cyber Shot 14.1 megapixel		no		9,800.00	NQ	7,850.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
l	Sony Cyber Shot 16.1 megapixel		no		9,800.00	NQ	8,550.00
m	Canon IXUS 115 IS 16.0 megapixel digital IXUS 123		no		9,700.00	NQ	9,050.00
n	Canon EOS Rebel T3i DSLR Camera with EF-S 18-55mm IS II Lens Kit	Focal Length 18 - 55mm Lens Mount Canon EF Camera Format Canon APS-C (1.6x Crop Factor) Pixels Actual: 18.7 Megapixel Effective: 18.0 Megapixel Max Resolution 17.9MP: 5184 x 3456 Sensor Type / Size CMOS, 22.3 x 14.9 mm File Formats Still Images: JPEG, RAW, TIFF Movies: MOV Memory Card Type: SD, SDHC, DXC Comparable APS-C Focal Length: 28 - 90 mm Aperture Maximum: f/3.5 - 5.6 Minimum: f/22 - 38 Angle of View: 74.2° - 27.5° Minimum Focus Distance: 9.8" (24.89 cm) Magnification: 0.34x Maximum Reproduction Ratio 1:3 Elements/Groups: 11/9 Diaphragm Blades: 6 Autofocus: Yes Image Stabilization: Yes Filter Thread Front: 58 mm Dimensions (DxL): Approx. 2.7 x 2.8" (6.86 x 7.11 cm) Weight: 7.1 oz (201 g)	no		137,000.00	34,000.00	62,650.00
10 (a)	LCD PROJECTOR						
a	Projector	Brightness: 2500 ANSI Lumens (max) Contrast Ratio: 2200:1 Typical (Full On/Full Off) Resolution: SVGA native resolution (800x600) Uniformity: 90% Typical (Japan Standard - JBMA) Projection Lens: F-Stop: F/ 2.41-2.55 Focal length, f=21.8~24mm Zoom Lens: Manual 1.1x Throw ratio: 1.95 (wide) - 2.15 (tele) Image Size: 58.16 - 769.62 cm (22.9" - 303") (diagonal) Projection Distance: 2.38 ft - 20.27 ft (1m - 10m)	No		31,000.00	29,000.00	27,650.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech & Solution
		Projection Distance: 3.28 ft ~ 39.37 ft (1m ~ 12m) 3D Capable: Yes					
b	Projector	Uniformity: 85% Typical (Japan Standard - JBMA) Projection Lens: F-Stop: F/2.4~2.66 Image Size: 92.20 ~ 919.48 cm (36.3" ~ 362") (diagonal) Projection Distance: 1.2m ~ 10m Set Up: 3D - Enabled6 LAMP Lamp Life Cycle7: Up to 3000-hour Normal Mode	No		34,700.00	29,000.00	31,250.00
c	Full HD Projector	Brightness: 5000 ANSI Lumens (Max.) Contrast Ratio: 2500:1 (Natural) 10000:1 (Dynamic) 20000:1 (Static) Native Resolution: 1080p Full HD (1920 x 1080p) Aspect Ratio: 16:9 Uniformity: 85% Typical (Japan Standard - JBMA) Projection Lens: F-Stop: F/2.6~2.9 Focal length, f = 39.12~46.94mm Throw Ratio: 1.85 (wide) - 2.22 (tele) Lens Offset Ratio: 115% ± 5% (shipping default) Zoom Ratio: Manual 1.2x Keystone Correction: Automatic Vertical ± 30° Projection Distance: 3.28 ft ~ 39.37 ft (1.0m ~ 12m) Screen Size - Diagonal: 20.3" ~ 292.9" (0.53m ~ 7.44m) LAMP Lamp Life Cycle4: Up to 1,500 hours Normal Up to 2,000 hours Eco-Mode Lamp Type: Philips 400W user-replaceable Lamp Warranty: 1 year	No		114,000.00	92,000.00	99,650.00
d	Infocus IN 220i				29,000.00	29000 (Manipulation of specs)	28,150.00
e	Infocus IN 220				32,000.00	29000 (Manipulation of specs)	31,150.00
f	Sharp				NQ	NQ	60,650.00
g	Infocus /Dell/Epson				NQ	NQ	28,150.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
h	Epson/Dell/Infous				33,000.00	NQ	28,150.00
i	Epson/Dell/Infous/Acer				337,500.00	NQ	28,150.00
j	Infocus IN112				NQ	29000 (Manipulation of specs)	28,150.00
k	Dell projector 1210				NQ	32,000.00	29,150.00
l	Acer AX110				NQ		30,250.00
m	Infocus in124				NQ	29,000.00	33,650.00
n	Epson EX				NQ	35000 (Manipulation of specs)	32,850.00
10 (b)	Projection screen						
a		Da-Lite King Tripod Portable Projection Screen 16:9 52"x92" 86021 CHOP 35QHz1	No		11,500.00	11000 (Manipulation of specs)	9,250.00
b	White Screen	White Manual Pull Down Projection Screen 100" (Projector screen diagonal: 100" / 0.87 = 115" Projector screen height: 100" * 0.57 = 57") Diagonal 16:9 Wide View Wall Ceiling Mount Steel Case for Home Movie Theater Office Video Presentation Projector Superb quality 87-inch by 49-inch View Manual Projection Screen for a perfect visual enjoyment Sleek design, scratch resistant, white color, steel screen case High contrast 1.3 gain screen optimizes picture quality 16:9 screen format and the diagonal length of 100" Ideal for home theater movies, classroom training, conference room presentations, public displays & etc. WITH PLUTO LITE universal projector cage or equivalent.	No		17,500.00	NQ	10,250.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
c	White Screen	Electric Projection Screen with Remote Control Electric Projection Screen Style: Wall Mounted Material:Matt White Format: 1:1 Portable:No Brand Name:MGF Model Number:NTW070070MWB Place of Origin:Guangdong, China (Mainland) format: 1:1 color: white casing and white fabric control: remote control OEM/ODM: yes size 100" (Projector screen diagonal: 100 " / 0.87 = 115" Projector screen height: 100 " * 0.57 = 57") WITH PLUTO LITE universal projector cage or equivalent.	No		32,500.00	18,000.00	32,650.00
d	Presentation pointer	August LP205R Wireless Presenter with Red Laser Pointer - Cordless Powerpoint Slide Changer with Shortcut Keys	No		2,100.00	NQ	4,350.00
e	Logitech Wireless Presenter R400 or equivalent	Dimensions (height x width x depth): 37.8 mm (1.49 in) x 115.5 mm (4.55 in) x 27.4 mm (1.08 in) Weight: 57 g (2.01 oz) Receiver Dimensions (height x width x depth): 16.5 mm (0.65 in) x 58.6 mm (2.31 in) x 7.9 mm (0.31 in) Receiver Weight: 6 g (0.21 oz) Color: Black Laser Class: Class 2 Laser Max Output: Less than 1mW Wave Length: 640 ~ 660nm (red light) Battery type: 2 AAA batteries Battery life (Laser pointer): 20-hour maximum Battery life (Presenter): 1050-hour maximum Wireless operating distance: Approx 10m* Wireless technology: 2.4GH zwireless technology Supported OS: Windows Vista, Windows 7, Windows 8 Interface: USB Accessories: Carrying case slie changer=yes	No		2,350.00	5,000.00	4,650.00
11	ACCESSORIES UPS/APC						
a	UPS	800 VA	No		3,800.00	5,400.00	5,350.00
b	UPS	650 VA	No		2,800.00	NQ	3,450.00
c	UPS	600 VA	No		2,400.00	4,880.00	2,620.00
d	UPS	1000 RS	No		9,200.00	11,500.00	5,950.00
e	Server UPS	APC Back-UPS 1100	No		7,600.00	6,780.00	6,550.00
f	Server UPS	APC Smart-UPS 2200VA RM 2U LCD (120V)	No		NQ	53000 (Manipulation of specs)	35,850.00
g	Server UPS	APC Smart-UPS 5000VA RM 2U LCD (120V)	No		NQ	NQ	40,840.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
h	RackMount UPS	APC Smart-UPS 1500VA 2U Rack Mount with LCD (120V)	No		NQ	45000 (Manipulation of specs)	18,650.00
i	RackMount UPS	APC Smart-UPS C 3000VA Rack Mount LCD 230V	No		NQ	110000 (Manipulation of specs)	38,650.00
j	RackMount UPS	Atleast 600VA Rack mountable	No		NQ	NQ	NQ
12	TELEPHONE, BINDING, LAMINATION m/c, PAPER SHREDDER						
a	Lamination Machine	Advanced inner-heat technology, , 8-bite microprocessor control system, Speed and temperature freely adjustable, Max Sheet Width: 650mm, Max Sheet, Thickness: 5mm, Sheet Speed: 200-1600mm/min: Sheet Temperature: 0~140°C: Voltage\ AC110V, 220V/50Hz, 60Hz are available: Power: 1600W: Size: 1100*640*490(mm).	No		3,000.00	5,800.00	11,650.00
b	Telephone panasonic with speaker		No		NQ	3,800.00	1,580.00
c	Telephone panasonic without speaker		No		NQ	1,500.00	750.00
d	Telephone Panasonic with speaker and display		No		NQ	NQ	1,750.00
e	Comb Binding Machine		No		NQ	NQ	5,750.00
f	Comb Binding Machine Ibimatic heavy duty		No		NQ	NQ	8,750.00
g	Paper Shredder (Heavy duty)		No		NQ	NQ	8,950.00
h	Paper Shredder (Medium duty)		No		NQ	NQ	7,250.00
13	PRINTERS						
I	HP Printers						

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
a	Fast Heavy Duty Laser Printer	35ppm black/ 8.5ppm duplex, maximum resolution of 1200×1200 DPI, 64MB of memory, 320MB maximum, connectivity: USB 2.0, IEEE 1284-B parallel, 10/100 Base TX Ethernet HP Jet direct embedded print server, EIO slot, Paper: 250 sheet cassette paper tray, 100 sheet multi- purpose feeder, 350 sheet total capacity (optional 500 sheet tray), USB, Network, or print cables included, standard warranty: 1 year.	no		NQ	24,000.00	17,550.00
b	HP Laser Jet P1007	HP LaserJet P1007: print speed of up to 14 ppm, first page out in under 9 seconds, 600x600 dpi, 2 MB memory, 266 MHz processor, Hi-Speed USB 2.0 connectivity, standard input capacity of 150-sheets	no		NQ	10,800.00	9,850.00
c	HP Laser Jet 2035	Up to 33 ppm, Print quality black (best), Up to 600 x 600 dpi (1200 dpi effective output with HP FastRes 1200), Duty cycle (monthly, A4), Up to 25000 pages, Standard memory 16 MB Memory, maximum 16 MB Processor speed 266 MHz	no		NQ	23,000.00	17,550.00
d	HP Color Laser Jet (or equivalent)	Print speed Black: up to 12ppm, print speed colour: up to 8ppm, print quality black: up to 600×600 dpi, print quality colour: up to 600×600 dpi, print technology: In-line colour laser printing technology, standard memory: 16MB, processor speed: 264 MHz, paper handling standard/ input: 150-sheet input tray, paper handling standard/ output: 125-sheet face-down output bin.	no		NQ	25,000.00	22,850.00
e	HP Laserjet 402dn(duplex / network)	or equivalent	no		NQ	24,000.00	17,550.00
f	HP LaserJet Pro M402dw	or equivalent with wireless network printing	no		NQ	26,000.00	19,985.00
g	HP Laserjet P3015dn	or equivalent	no		NQ	38,000.00	36,850.00
h	HP laserjet P3015d	or equivalent	no		NQ	38,000.00	36,850.00
i	HP LaserJet Printer P3005d	or equivalent	no		NQ	37,000.00	21,650.00
j	HP LaserJet Printer 1320	or equivalent	no		NQ	NQ	18,250.00
k	HP Laserjet P1102	or equivalent	no		NQ	10,800.00	9,850.00
l	HP Laserjet M1136 (Printer Scan and copy)	or equivalent	no		NQ	15,800.00	15,350.00
m	HP Laserjet P3015dn(duplex / network)	or equivalent	no		NQ	38,000.00	36,850.00
n	HP Laserjet Pro 1102/1106	or equivalent	no		NQ	10,800.00	9,850.00
o	HP Laserjet Pro 402dn	or equivalent	no		NQ	24,000.00	17,550.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
p	HP Laserjet P3015dn	or equivalent	no		NQ	NQ	36,850.00
q	HP Laserjet P201DW	or equivalent	no		NQ	NQ	34,650.00
r	HP Laserjet 401D	or equivalent	no		NQ	24,000.00	17,550.00
s	HP Laserjet P5200n	or equivalent	no		NQ	76,000.00	67,650.00
t	HPColour Laserjet Pro CP 1025	or equivalent	no		NQ	25,000.00	22,850.00
u	HPColour Laserjet Pro CP 1525/Upgrade	or equivalent	no		NQ	25,000.00	28,950.00
v	HPColour Laserjet Pro CP 2025dn/ upgrade	or equivalent	no		NQ	59,000.00	65,850.00
II	Canon Printers						
a	Canon LBP 6030		no		NQ	NQ	9,850.00
b	Canon 4820d (Printer/ Scan/ copy/fax) Duplex		no		NQ	NQ	16,850.00
c	Canon pixma IP 28705		no		NQ	NQ	6,250.00
d	Canon Lasershot		no		NQ	NQ	9,550.00
e	Canon image class LB 6230dn		no		NQ	NQ	14,850.00
f	Canon Laser Printer 3300		no		NQ	NQ	15,650.00
g	Canon Laser Printer 3300D		no		NQ	NQ	18,650.00
h	Canon Laser Printer 3500		no		NQ	NQ	52,650.00
i	Canon Laser Printer M43500		no		NQ	NQ	23,850.00
III	Epson Printers						
a	L110		no		NQ	NQ	9,950.00
b	LQ100 /LX		no		NQ	NQ	14,950.00
c	LQ2190		no		NQ	44,000.00	43,950.00
d	EPSON M100 Laserjet		no		NQ	NQ	9,250.00
e	Epson L360A10		no		NQ	NQ	15,850.00
f	EPSON M200		no		NQ	NQ	17,950.00
g	EPSON L 455 wireless		no		NQ	NQ	21,650.00
h	Epson LQ-300		no		NQ	NQ	14,950.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
i	Epson LX - 300		no		NQ	NQ	9,750.00
j	Epson LW-2190		no		NQ	NQ	42,650.00
IV	PRINT SERVER						
a	Wireless print server	Pocket sized, 10/100mbps wireless TL-WPS510U or equivalent	no		NQ	5,800.00	6,150.00
b	Ethernet Print server	Single USB2.0 port fast ethernet. TL-WPS510U or equivalent	no		NQ	5,800.00	4,850.00
14	PHOTOCOPY MACHINE						
a	Photocopy machine (light duty) - CS-1815 Digital Copier 18 CPM	Print Technology:- Monochrome Laser, print Speed (Black normal Quality, A4):- up to 33ppm, Pages per month:- up to 100000pages, maximum:- 320 MB, Processor speed:- 400MHz,	no		NQ	42,000.00	38,150.00
i)	Cartridge for CS-1815/18cpm		no		NQ	2,800.00	2,650.00
b	Photocopy machine (medium) - 20-25cpm	18 CPM letter sized paper, Legal sized copy speed has also been increased to a rapid 18 copier per minute, runs at 600 x 600 dots per inch, 16 MB MB-6 copy memory board, it can be print 15,000 page per month, 15 pages per minute with Print Scan Fax Facility.	no		NQ	170,000.00	52,850.00
i)	Cartridge for (medium)-20-25cpm		no		NQ	3,800.00	2,650.00
c	Photocopy Ricoh MP2000L2	Same as Ricoh MP2000L2 or Equivalent	no		NQ	NQ	56,850.00
d	Bizhub 164	Bizhub 164 or Equivalent	no		NQ	42,000.00	38,150.00
e	Konica Minolta 165e		no		NQ	NQ	38,150.00
f	Cannon 2002		no		NQ	NQ	55,850.00
g	Konica 206		no		NQ	NQ	54,650.00
h	Konica 226		no		NQ	NQ	65,850.00
i	HP PRO 1163 (13PPM)A4		no		NQ	NQ	15,650.00
j	KONIKA MINOLTA164 (16ppm) A3		no		NQ	NQ	38,150.00
k	CANON 2002 20 (ppm)A3		no		NQ	NQ	52,850.00
l	CANON IR 2525 (heavy duty) 25ppm A3		no		NQ	170,000.00	148,650.00
m	Konica Minolta Bizhub 164		no		NQ	NQ	38,150.00
n	Konica Minolta Bizhub 215		no		NQ	60,000.00	75,650.00
o	Konica Minolta Bizhub 363		no		NQ	NQ	225,050.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
p	Canon IR2202N with DRADF		no		NQ	NQ	84,850.00
15	VIDEO CAMERA						
a	DRC-SR-20b	DRC-SR-20b or equivalent	no		NQ	NQ	NQ
b	Handycam	Handycam® HDR-CX520 or equivalent	no		NQ	NQ	NQ
c	Handycam	Handycam® HDR-CX500 or equivalent	no		NQ	NQ	NQ
d	Sony P780	Or equivalent	no		NQ	NQ	NQ
16	SCANNER						
a	HP Scanjet Pro 3000 s2 Sheet-feed Scanner	or equivalent	no		NQ	34,777.00	28,650.00
b	HP Scanjet 200 Flatbed	or equivalent	no		NQ	5,400.00	NQ
c	HP Scanner G3110	or equivalent	no		NQ	NQ	NQ
d	HP Scanjet E5590	or equivalent	no		NQ	NQ	NQ
e	HP Scanjet N6310	or equivalent	no		NQ	50,000.00	NQ
f	HP scanjet N6350	or equivalent	no		NQ	NQ	NQ
17	FAX						
a	Panosonic kx-FP701	Plain paper fax and copier function	no		11,200.00	10,200.00	9,850.00
i	Fax ink flim	Panasonic KX-FP701	no		290.00	800.00	155.00
b	Panasonic Laser Fax Machine	The lid on top of the scan bed has a capacity of 20 sheets. Immediately below are controls for functions such as scan, copy and fax, An LCD screen shows you the count of faxes sent and the amount of copies to be done, you have provision for attaching a USB cable, a fax line and even an answering machine, You can also adjust the setting for different paper types like A4, letter and legal.	no		18,900.00	18,800.00	18,850.00
ii	Fax ink flim for Panasonic Laser Fax Machine		no		4,300.00	NQ	1,550.00
c	Panasonic Kx FT 983		no		NQ	7,800.00	10,890.00
d	Panasonic Kx FP701		no		290.00	10,000.00	9,850.00
e	Panasonic KXFT-933		no		NQ	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
f	Panasonic KXFT-701		no		290.00	NQ	9,850.00
g	Panasonic KXFT-704		no		NQ	NQ	12,550.00
h	Panasonic KXCT 705		no		NQ	NQ	21,650.00
i	Panasonic plain paper fax machine KXFP701		no		11,200.00	NQ	9,850.00
j	Panasonic Laser Plain paper fax machine KXMB772		no		19,900.00	18,800.00	NQ
k	HP Multifunction fax machine 1050 Deskjet/upgrade		no		NQ	NQ	NQ
l	HP Multifunction fax machine m127nf laserjet		no		19,300.00	NQ	NQ
m	Cyclostyine Machine	Gester 145	no		39,000.00	150,000.00	25,650.00
18	COMPUTER ACCESSORIES						
1	Keyboard	USB	no		390.00	NQ	465.00
2	Keyboard	PS/2	no		450.00	NQ	465.00
3	Keyboard	Wireless	no		1,349.00	NQ	1,050.00
4	Mouse	USB	no		290.00	NQ	275.00
5	Mouse	PS/2	no		290.00	NQ	275.00
6	Mouse	Wireless	no		790.00	NQ	850.00
7	Web camera	5 MP	no		1,900.00	NQ	2,250.00
8	Web camera	10 MP	no		4,300.00	NQ	3,250.00
9	Internal combo CD-DVD writer	For Desktop	no		1,800.00	3,800.00	1,550.00
10	Internal combo CD-DVD writer	For Laptop	no		2,400.00	3,800.00	2,550.00
11	External USB DVD-RW	Power supplied through USB	no		2,300.00	3,800.00	4,150.00
12	Printer USB cable		no		149.00	NQ	175.00
13	Crimping tool set with bag		no		3,900.00	NQ	2,450.00
14	Professional Network Tool Kit with hard case		no		34,000.00	NQ	1,450.00
15	RJ-45 Crimping tool with cutter		no		1,600.00	NQ	1,150.00
16	Punch Down tool for networking		no		1,400.00	NQ	1,850.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
17	Network cable tester		no		900.00	NQ	1,250.00
18	CMOS battery		no		39.00	NQ	35.00
19	Branded Computer Cabinet		no		2,400.00	NQ	4,950.00
20	VGA Splitter	2 way	no		1,800.00	NQ	1,850.00
21	VGA Splitter	4 way	no		2,300.00	NQ	3,650.00
22	HDMI Splitter	2 way	no		1,800.00	NQ	1,750.00
23	HDMI Splitter	4 way	no		2,300.00	7,000.00	3,450.00
24	LCD monitor	17"	no		9,000.00	11,000.00	5,950.00
25	LCD Monitor	22"	no		12,000.00	NQ	10,350.00
26	Computer speaker		no		700.00	NQ	650.00
27	Computer speaker subwoofer		no		3,500.00	NQ	2,050.00
28	Graphic Card 512 MB PCIe		no		NQ	NQ	1,550.00
29	Mouse Pad		no		125.00	NQ	65.00
30	CPU Cooler Fan		no		NQ	NQ	3,750.00
31	Headphone Logitech		no		490.00	NQ	2,850.00
19	LAPTOP POWER CARD (ADAPTER)						
1	Dell		no		1,800.00	2,800.00	3,250.00
2	HP		no		2,100.00	2,800.00	3,250.00
3	Compaq		no		2,100.00	2,800.00	3,250.00
4	Lenovo		no		2,500.00	2,800.00	3,250.00
20	Mother Board						
A	Desktop						
1	Dell	Optiplex 320	no		NQ	NQ	NQ
2	Dell	Optiplex 330	no		NQ	NQ	NQ
3	Dell	Optiplex 360	no		NQ	NQ	NQ
4	Dell	Optiplex 380	no		NQ	NQ	NQ
5	Dell	Optiplex 390	no		NQ	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
6	Dell	Optiplex GX 520	no		NQ	NQ	NQ
7	Dell	Optiplex 790	no		NQ	15,800.00	NQ
8	Vostro	230	no		NQ	NQ	NQ
9	Acer	Aspire	no		NQ	15,800.00	NQ
10	Intel	For pinless processor (USB ports, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc)	no		NQ	NQ	NQ
11	Intel	For pin processor (USB ports, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc)	no		NQ	NQ	NQ
12	Local	For pinless processor (USB ports, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc)	no		NQ	NQ	NQ
13	Local	For pin processor (USB ports, 1 Serial port, 2 PS/2, 1 RJ-45, 1 VGA & etc)	no		NQ	NQ	NQ
B	Laptop						
1	Low-End	For low-end laptop specifications as provided in this document	no		NQ	NQ	NQ
2	Mid-End	For mid-end laptop specifications as provided in this document	no		NQ	NQ	NQ
3	High-End	For high-end laptop specifications as provided in this document	no		NQ	NQ	NQ
21	PRINTER SPARE PARTS						
1	Pressure roller		no		NQ	NQ	2,710.00
2	Heating Element		no		NQ	NQ	2,710.00
3	Fuser Film		no		NQ	NQ	1,750.00
4	Formatter board		no		NQ	NQ	12,560.00
5	Logic Board		no		NQ	NQ	12,560.00
6	Scanner Unit		no		NQ	NQ	12,560.00
7	Paper Feed Roller		no		NQ	NQ	13,250.00
8	Fuser Clamps		no		NQ	NQ	6,310.00
9	Roller Bush		no		NQ	NQ	8,525.00
10	Scanner Sensor		no		NQ	NQ	12,560.00
11	Paper Sensor		no		NQ	NQ	7,250.00
12	Fuser Lock		no		NQ	NQ	6,350.00
13	Fuser assembly	Big size printer	no		NQ	NQ	NQ
14	Printer head	Epson LQ-680 Pro Dot Matrix	no		NQ	NQ	6,880.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
15	Printer head	Epson FX-2190 Dot Matrix	no		NQ	NQ	6,880.00
16	Printer head	Panasonic KX-P3200 Dot Matrix	no		NQ	NQ	12,750.00
17	Printer head	Panasonic KX-P1131 Dot Matrix	no		NQ	NQ	12,750.00
22	DESKTOP MONITOR						
1	Flat LCD	18.5"	no		NQ	NQ	6,250.00
2	Flat LCD	21"	no		NQ	NQ	9,150.00
3	VGA Card	Internal (For Desktop)	no		NQ	NQ	1,250.00
4	VGA	15-pin cable 2 m	no		290.00	NQ	550.00
5	VGA	15-pin cable 5 m	no		680.00	NQ	950.00
6	VGA	15-pin cable 10 m	no		1,600.00	NQ	1,250.00
7	Power cable	3 pins (Round)	no		200.00	NQ	150.00
8	Power cable	3 pins (Flat)	no		200.00	NQ	150.00
9	Power cable	Loopback	no		300.00	NQ	285.00
23	SMPS						
1	For Desktop	Brand New	no		4,900.00	NQ	850.00
2	For Desktop	Second Hand	no		NQ	NQ	750.00
3	For Desktop	with IDE & SATA option	no		1,000.00	NQ	950.00
4	For Desktop	with only IDE option	no		1,000.00	NQ	950.00
24	ANTIVIRUS						
1	Client-Server Antivirus	50 users (Minimum 1 year license)	no		42,500.00	110,000.00	NQ
2	Client-Server Antivirus	100 users (Minimum 1 year license)	no		85,000.00	220,000.00	NQ
3	Client-Server Antivirus	200 users (Minimum 1 year license)	no		170,000.00	440,000.00	NQ
4	Quick heal	1 user, 1 year	no		700.00	880.00	625.00
5	Quick heal	3 users, 1 year	no		1,390.00	2,800.00	1,270.00
6	Quick heal	5 users, 1 year	no		2,490.00	3,500.00	2,150.00
7	Quick heal	10 users, 1 year	no		3,800.00	5,800.00	3,250.00
25	SERVICE CHARGES						
A	Repair of Equipment						
1	Photocopy m/c repairing service charge		no		NQ	1,000.00	950.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
2	UPS repairing service charge		no		NQ	1,000.00	550.00
3	Smart UPS repairing service charge		no		NQ	1,000.00	550.00
4	Printer repairing service charge		no		NQ	1,000.00	450.00
5	Computer monitors repairing service charge		no		NQ	1,000.00	1,000.00
6	Desktop motherboard repairing service charges		no		NQ	1,000.00	1,050.00
7	Laptop motherboard repairing service charges		no		NQ	1,000.00	1,050.00
8	Desktop motherboard replacement service charges (cost of motherboard to be charged seperately)		no		NQ	1,000.00	850.00
9	Laptop motherboard replacement service charges (cost of motherboard to be charged seperately)		no		NQ	1,000.00	850.00
10	SMPS repairing charges		no		NQ	1,000.00	850.00
11	SMPS replacement service charges (cost of SMPS to be charged seperately)		no		NQ	1,000.00	850.00
12	Splicing of fiber optic (fiber cables, patch cord and others should be arranged neatly)		per fiber core		NQ	1,000.00	1,050.00
B Networking							
1	Structural Cabling of Local Area Network (LAN) includes work and supply of materials as prescribed: -Casing N Capping with complete fitting of accessories like Tee, coupler, Internal coupler, External coupler/elbow, -PVC hose pipe/ Conduit pipe/ HDPE pipe (if required to uplink to next switch), -Plastic guard bit, Wooden screw & Casing N Capping pin & Metallic saddle, -Information Outlet box (I/O) complete set, -UTP Cat6 Solid Cable (100% copper cable), -Punching of UTP Cat6 cable on Patch Panel & I/O face modular as per TIA/EIA T586B termination rule, -Testing of LAN from Patch panel to I/O using LAN Cable tester and Identification of I/O box to patch panel, -Fixing of Switch rack, patch panel, switches & I/O boxes, etc.		Per point		700.00	NQ	NQ
2	Uplink using Cat6 UTP cable with proper conceal HDPE pipe and metallic saddle		per mtr		450.00	6,000.00	NQ
3	Crimping CAT6 cables (both ends RJ45)		Nos		60.00	NQ	NQ
4	Punching of UTP Cat6 cable and Patch Panel & I/O face modular and install on wall		Nos		200.00	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
5	Installation of wireless point-to-point, includes work and supply of materials as follows: -Supply and fixing thickened Wall-Mounted/ Roof-Mounted Pole Elevation Bracket -Fixing of CPE device on the bracket -Configuration of devices for point-to-point connectivity -Testing of point-to-point wireless connection		Per pair		20,000.00	NQ	NQ
6	Laying of optical fiber cable work includes: -burial across the road cutting or underground burial of cable (minimum 2 feet depth). Bidder shall reinstate the damaged roads and footpath using all the materials and must meet the required standard. -Splicing on FODP, joint enclosure, OTDR/link test, Documentation of Fiber route, configuration/lighting of network devices		mtr		1,200.00	NQ	NQ
7	Stringing of ADSS Optic fiber cable on BPC electricity live line poles includes- Splicing of FODP, joint enclosure, OTDR/link test, Documentataion of fiber route Configuration/lighting of network devices		mtr		1,500.00	NQ	NQ
8	Splicing of fiber optic (fiber cables, patch cord and other should be arranged neatly)		per fiber core		1,000.00	NQ	NQ
26	CABLES						
A	COMPUTER & PRINTER						
a	Power Cable		no		200.00	NQ	150.00
b	Power Loop Cable		no		300.00	1,000.00	285.00
c	USB Printer Cable		no		149.00	380.00	375.00
d	LPT Printer Cable		no		900.00	2,800.00	375.00
B	ETHERNET						
a	RJ 45 Jack		no		15.00	NQ	13.00
b	Ethernet	Cat 6 solid cable	roll		5,400.00	NQ	5,850.00
c	Ethernet	Cat 5e solid cable	roll		5,100.00	NQ	5,350.00
d	Connector/ coupler	Cat 5e/cat 6 connector	no		15.00	NQ	385.00
e	Ethernet splitter	Cat 5/6 LAN ethernet splitter	no		900.00	NQ	1,250.00
f	D-link DWL-p100	Power Over Ethernet Adapter injector	no		3,400.00	NQ	4,050.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
g	TOP/KVM switch	4 port auto USB switch(with VGA/Audio/USB cables	no		NQ	NQ	8,050.00
h	Ethernet Extender	4 port Network LAN cable signal Booster, single unit/device, reach upto 2000ft, POE power over ethernet, built in lightning surge protection	no		NQ	NQ	4,350.00
i	Network extender	180m, 100mbps, over cat5e/cat6 cable LAN ethernet repeater	no		3,200.00	NQ	7,150.00
j	UTP network cable	RJ-45(M), snagless booted, cat6 1 meter length, factory crimped	no		250.00	NQ	250.00
k	UTP network cable	RJ-45(M), snagless booted, cat6 5 meter length, factory crimped	no		450.00	NQ	550.00
l	UTP network cable	RJ-45(M), snagless booted, cat6 3 meter length, factory crimped	no		350.00	NQ	370.00
m	I/O Box	With complete face plate Cat 6	no		560.00	NQ	485.00
n	USB 2.0 to SATA/IDE cable		no		NQ	NQ	650.00
o	HDMI to VGA converter		no		600.00	NQ	650.00
p	HDMI to mini VGA converter		no		600.00	NQ	650.00
q	HDMI cable	5mtr	no		550.00	NQ	1,150.00
r	HDMI cable	10mtrs	no		1,700.00	NQ	1,850.00
s	HDMI cable	20mtrs	no		3,600.00	NQ	2,350.00
t	VGA cable	5mtr	no		450.00	NQ	750.00
u	VGA cable	10mtrs	no		1,600.00	NQ	1,350.00
v	VGA cable	20mtrs	no		2,300.00	NQ	2,550.00
w	Serial to USB cable	For routers and manageable switches	no		NQ	NQ	450.00
x	USB to console cable	For routers and manageable switches	no		NQ	NQ	450.00
C	NETWORK CARDS						
1	PCI NIC card	10/100 Mbps	no		1,000.00	NQ	4,150.00
2	PCI Express NIC card	10/100 Mbps	no		1,000.00	NQ	4,150.00
3	PCI NIC card	10/100/1000 Mbps	no		1,900.00	NQ	7,250.00
4	PCI Express NIC card	10/100/1000 Mbps	no		1,900.00	NQ	7,250.00
5	PCI Wireless NIC card	10/100 Mbps	no		900.00	NQ	4,150.00
6	PCI Express Wireless NIC card	10/100 Mbps	no		900.00	NQ	4,150.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
7	Wireless NIC card USB interface	10/100 Mbps	no		800.00	NQ	4,150.00
8	USB Ethernet adapter	USB 2.0	no		900.00	NQ	3,850.00
9	USB Ethernet adapter	USB 3.0	no		900.00	NQ	3,850.00
10	Server Ethernet Card	Gigabit ethernet card. (Brand as required as per server)	no		NQ	NQ	4,850.00
D	FIBER OPTIC						
a	Optical Fiber Cable	No of cores: 4 Indoor/Outdoor Loose Tube Cable(Single-Mode, 9-Micron, Loose-Tube Outside-Plant Fiber Optic Cable: ECSS Armor, Loose-tube, Gel-filled,9/125 SM OS2 Attenuation (Maximum) - 0.3510.3510.25 dB/km @ 1310/1383/1550 nm Bend Radius - Loaded: 10" (25.4 cm); Unloaded 7" (17.8 cm) Crush Resistance - 55lb per inch for 10 minutes Fiber Type-Single-mode 91125 umJacket Type - Outdoor-rated, medium-density Polyethylene (MDPE) Outer Diameter - 0.48" (12.2 mm)	meter		NQ	NQ	90.00
b	Optical Fiber Cable	No of cores: 6 Indoor/Outdoor Loose Tube Cable(Single-Mode, 9-Micron, Loose-Tube Outside-Plant Fiber Optic Cable: ECSS Armor, Loose-tube, Gel-filled,9/125 SM OS2 Attenuation (Maximum) - 0.3510.3510.25 dB/km @ 1310/1383/1550 nm Bend Radius - Loaded: 10" (25.4 cm); Unloaded 7" (17.8 cm) Crush Resistance - 55lb per inch for 10 minutes Fiber Type-Single-mode 91125 umJacket Type - Outdoor-rated, medium-density Polyethylene (MDPE)Outer Diameter - 0.48" (12.2 mm)	meter		NQ	NQ	110.00
c	SM FC Duplex fiber patch cord LC to SC	1 meter	no		NQ	NQ	420.00
d	SM FC Duplex fiber patch cord LC to SC	3 meter	no		NQ	NQ	1,650.00
e	SM FC Duplex fiber patch cord LC to SC	10 meter	no		NQ	NQ	3,350.00
f	SM Duplex fiber patch cord FC to SC	1 meter	no		NQ	NQ	1,450.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
g	SM Duplex fiber patch cord FC to SC	3 meter	no		NQ	NQ	2,300.00
h	SM Duplex fiber patch cord FC to SC	10 meter	no		NQ	NQ	3,590.00
i	SM Duplex fiber patch cord SC to SC	1 meter	no		NQ	NQ	4,250.00
j	SM Duplex fiber patch cord SC to SC	3 meter	no		NQ	NQ	6,150.00
k	SM Duplex fiber patch cord SC to SC	10 meter	no		NQ	NQ	9,850.00
27	SWITCHES						
a	Gigabit Switch	24 Ports 10/100/1000	no		NQ	NQ	7,990.00
b	Gigabit Switch	16 Ports 10/100/1000	no		NQ	NQ	4,660.00
c	Megabit switch	24 Ports 10/100	no		NQ	NQ	38,850.00
d	Megabit switch	16 Ports 10/100	no		NQ	NQ	2,525.00
e	Megabit switch	8 Ports 10/100	no		NQ	NQ	950.00
f	Cisco managed switch	8-port gigabit stackable managed switch	no		NQ	NQ	14,850.00
g	Cisco SG 300-10 or equivalent	10-port Gigabit Managed Switch	no		NQ	NQ	58,250.00
h	Cisco SG 500-28 or equivalent	28 port Gigabit Stackable managed switch (Layer 2 switching)	no		NQ	NQ	81,250.00
i	Cisco SG 500-28P	28 port Gigabit PoE Stackable managed switches (Layer 3 switching)	no		NQ	NQ	88,950.00
28	WIRELESS ROUTERS/ ACCESS POINTS						
a	Wireless AP	300 mbps wireless N router TL-WR941ND or equivalent	no		3,200.00	3,800.00	2,750.00
b	Wireless AP	300 Mbps wireless N access point TL-WA901ND or equivalent	no		2,400.00	3,800.00	3,480.00
c	Wireless AP	150 Mbps wireless N router TL-WR740N or equivalent	no		1,700.00	2,800.00	2,250.00
d	Wireless AP	2.4GHz High power wireless outdoor CPE TL-WA5210G	no		5,700.00	NQ	4,850.00
e	Wireless AP	Linksys WiFi Router N300 Monitor (E1200)	no		NQ	6,800.00	7,150.00
f	Indoor Wireles AP	D-Link DWL-3200AP or equivalent	no		3,400.00	NQ	15,850.00
g	Indoor Wireless Access point	IEEE 802.11b/g/n, 2.4 GHz band with optional modes: Bridge and repeater	no		4,300.00	NQ	12,850.00
h	Indoor wireless access point antenna	7dbi omni-directional Antenna	no		1,700.00	NQ	12,850.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
i	Wireless Access point (Out door)	CPE, IEEE 802.11g/n, 2.4 GHz band	no		9,000.00	NQ	12,850.00
j	Wireless Access point (Out door)	CPE, IEEE 802.11g/n, 5 GHz band	no		9,700.00	NQ	12,850.00
k	Outdoor wireless access point antenna	13 dbi Omni-Directional Antenna	no		6,500.00	NQ	16,150.00
29	MEDIA CONVERTER						
a	10/100Base-TX to 100base-FX Fast Ethernet Converter	Standalone Media Converter: SC Gigabit WDM Media Converter (Single Mode fiber) standalone 40 Km, 1550 nm, TX full duplex	pair		6,500.00	NQ	110,000.00
b	10/100Base-TX to 100base-FX Fast Ethernet Converter Card		no		6,577.00	NQ	110,000.00
c	Adapter	Input: 100-240V 50/60Hz Output: 5V - 1.2 A	no		900.00	NQ	90,250.00
d	Adapter	Input: 100-240V 50/60Hz Output: 12V - 1A	no		900.00	NQ	3,550.00
30	RACK/ CHASSIS/ PANELS						
a	Ethernet Patch Panel	24 ports	no		NQ	NQ	24,850.00
b	Wall Mountable Fibre Patch Panel	12 port 1U Cat 6 Loaded with SC-SC phase plate, SC-SC Duplex adapter, Splice tray and SC pigtails. Patch panel should be dust and rodent proof	no		NQ	NQ	70,350.00
c	Rack Mountable Fiber Patch panel	At least 12 port, SC-SC, Rack mountable	no		NQ	NQ	8,150.00
d	Internal Media Converter Chassis	No. of slots: 5	no		NQ	NQ	8,150.00
e	Internal Media Converter Chassis	No. of slots: 10	no		NQ	NQ	12,850.00
f	Internal Media Converter Chassis	No. of slots: 20	no		NQ	NQ	18,250.00
g	Wall Mountable switch rack 9U	9U Wall mountable switch Rack	no		NQ	NQ	18,150.00
h	Wall Mountable switch rack 6U	6U Wall mountable switch Rack	no		NQ	NQ	16,250.00
i	Shelf/tray for Wall Mountable switch rack	Vented flat shelf	no		NQ	NQ	75,650.00

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
j	Server Rack	19" racks, 600mm wide with front glass door, Safety glass front door secured with spring-swivel hinge and Handy lock' system. Opening angle up to 190°. Removable side panels with ¼ turn locks ,Rear door with spring-swivel hinge and pre-punched knock-out for exiting cables, Ventilated top panel with cable entry knockouts secured by four ¼ turn locks, Four adjustable leveling feet	no		NQ	NQ	81,250.00
31	SERVER						
a	Server	1U Rack Server specification (Low End Server) <ul style="list-style-type: none"> • Intel Xeon E3-1285v3 3.60GHz, 8MB Cache Single processor • Cores 4 per processors • 16GB DDR3 Memory • 2.5" hot-plug SAS,SATA embedded host controller • 4x250GB (1TB) 7.2 RPM SAS, SATA, SFF Hard Drive • Optical DVD-R drive • Embedded dual port Gigabit Network Interface Card (NIC) • Hot-plug redundant 750Watt power supply unit • iDRAC7 /iLO Express port • Server system hardware device drivers software • 3 pin type AC power cord • (Optional) USB optical keyboard & mouse • (Optional) 17" LCD Screen • Server rack mounting kits • OS (Free DOS/Open Source) 	no		NQ	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
b	Server	2U Rack server Specification (Mid End Server) <ul style="list-style-type: none"> • Intel Xeon E5-4620V2 2.60GHz, 20MB Cache dual processors • Cores 8 per processors • 32GB(2x16GB) DDR3 Memory • 2.5" hot-plug SAS,SATA embedded host controller • 4x350GB (1.3TB) 7.2K RPM SAS, SATA, SFF Hard Drive • Optical DVD-R drive • Embedded dual port 1GB Ethernet & 2 ports 10Gb Ethernet Adaptor (NIC) • Hot-plug redundant 750Watt power supply unit • Optical DVD-R drive • iDRAC7 /iLO Express port • Server system hardware device drivers software • 3 pin type AC power cord • (Optional) USB optical keyboard & mouse • (Optional) 17" LCD Screen • Server rack mounting kits • OS (Free DOS/Open Source) 	no		NQ	NQ	271,350.00
c	Server	2U Rack Server Specification (High End Server) <ul style="list-style-type: none"> • Intel Xeon E7-4860V2 2.60GHz, 24MB Cache dual processors • Cores 12 per processors • 64GB(4x16GB) DDR3 Memory • 2.5" hot-plug SAS,SATA Embedded Host RAID Controller Drive • 4x750GB (3TB) 7.2K RPM SAS, SATA, SFF Hard Drive • Optical DVD-R drive • Embedded dual port 1GB Ethernet & 4 ports 10Gb Ethernet Adaptor (NIC) • Hot-plug redundant 750Watt power supply unit • Optical DVD-R drive • iDRAC7 /iLO Express port • Server system hardware device drivers software • 3 pin type AC power cord • (Optional) USB optical keyboard & mouse • (Optional) 17" LCD Screen • Server rack mounting kit • OS (Free DOS/Open Source) 	no		NQ	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
d	LCD monitor rack console drawer	<ul style="list-style-type: none"> • Keyboard monitor mouse rack console drawer. • 19" LCD monitor, 1280x1024 optimum resolution. • 1000:1 contrast ratio, 160 degrees viewing angles, 5 ms response time LCD. • Fold-down flat panel LCD. • Supports PS/2 keyboard/mouse interface. • Easy access control buttons for LCD on-screen-display menu. • Ball-bearing slideout keyboard tray with 25.5" to 38.75" extension mounting brackets. • One rack unit height. 			NQ	NQ	148,650.00
32	ROUTER						
a	Cisco 1900 series	Atleast 3 Gigabit Ethernet Slots with card included, Compact Flash Memory card should be included	no		NQ	NQ	82,000.00
b	Cisco 1800 series	Atleast 3 Gigabit Ethernet Slots with card included, Compact Flash Memory card should be included	no		NQ	NQ	82,000.00
c	Ethernet Interface card	1-port Gigabit ethernet WAN Interface card. Support: 1800series, 1900 series and 2000 series Cisco routers	no		NQ	NQ	82,000.00
33	FIREWALL						
a	<u>Cisco ASA 5505</u>		no		NQ	NQ	NQ
b	<u>Cisco ASA 5510</u>		no		NQ	NQ	NQ
c	<u>Cisco ASA 5520</u>		no		NQ	NQ	NQ
d	<u>pfsense Security Gateway Appliance SG-2440</u>		no		NQ	NQ	NQ
e	<u>pfsense Security Gateway Appliance SG-4860</u>		no		NQ	NQ	NQ
f	<u>pfsense Security Gateway Appliance SG-4860 1U</u>		no		NQ	NQ	NQ
g	<u>pfsense Security Gateway Appliance SG-4860 1U HA</u>		no		NQ	NQ	NQ
34	LIGHTENING PROTECTION						
a	Erkoc Lightening Protection system	Supply and installation at site	no		150,000.00	NQ	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
b	DETAKOMA5 ESE LIGHTENING CONDUCTOR	<p>DETAKOM-A5 ESE LIGHTNING CONDUCTOR ESE- EARLY STREAM EMISSION Which has been produced in Turkey under the label Detakom® since 2003, has been the lightning conductor preferred both in Turkey and around the World. It has been combined with the 25-year experience of Erkoç Engineering company in Lightning Conductors and Grounding since December 2005 and produced Detakom®-A5 model, which is preferred both in Turkey and around the World. Paramount Features of DETAKOM-A5 Active Lightning Conductors: 1- Its most paramount feature is that its impact tension generator inside is covered with epoxy insulating material with a durability of 450kV/cm2. 2- Another feature is that since its outer parts are covered with XL 304 stainless steel, it is resistant against dynamic power surging in from the air during lightning discharge and also it is not affected by acid rain caused by lightning discharge.</p>	no		NQ	NQ	NQ
35	PUBLIC ADDRESS SOUND SYSTEM						
1	Chairman Unit CMC-4100		no		NQ	7,265.00	NQ
2	Delegate Unit CMD-4200		no		NQ	6,636.00	NQ
3	Secretary Unit CMS-4300		no		NQ	4,629.00	NQ
4	Central Amplifier CMA-4400		no		NQ	15,541.00	NQ
5	PA Amplifier TZA-4000EM		no		NQ	24,443.00	NQ
6	PA Amplifier TZA-2000		no		NQ	16,094.00	NQ
7	PA Amplifier SSA-250M		no		NQ	15,391.00	NQ
8	PA Amplifier SSA-160EM		no		NQ	12,221.00	NQ
9	Mixing Console AMX-812		no		NQ	9,333.00	NQ
10	PA Audio Mixer MX-15		no		NQ	5,520.00	NQ
11	PA Cassette Player Amplifier UPA-750		no		NQ	9,373.00	NQ
12	PA Cassette Player Pre-Amplifier CTR-100		no		NQ	NQ	NQ
13	Microphone PRO-2200C		no		NQ	4,055.00	NQ

COMPARATIVE STATEMENT OF COMPUTER AND PERIPHERALS FOR FY 2018-19

S/ N	ITEM NAME	SPECIFICATION	UNIT	REMARK S	Panglung Enterprise	Gyelyong Enterprise	Tharlam Infotech& Solution
14	Microphone ASM-911XLR		no		NQ	3,235.00	NQ
15	Wireless Microphone hand-held		no		NQ	3,100.00	NQ
16	Wireless Microphone hand-held & tie-clip		no		NQ	4,500.00	NQ
17	Wireless Microphone tie-clip		no		NQ	NQ	NQ
18	Gooseneck Microphone GM Series		no		NQ	1,966.00	NQ
19	Mic stand adaptor G-611S		no		NQ	555.00	NQ
20	Mic stand base GMB-6C		no		NQ	1,931.00	NQ
21	PA Column Speaker ASC-40T		no		NQ	3,720.00	NQ
22	PA Column Speaker ASC-20T		no		NQ	2,452.00	NQ
23	PA Column Speaker ASC-30T		no		NQ	3,036.00	NQ
24	PA Column Speaker ACM-15T		no		NQ	1,864.00	NQ
25	PA Column Speaker ACM		no		NQ	NQ	NQ
26	PA Speaker SRX-120DX		no		NQ	6,003.00	NQ
27	PA Speaker SRX-220DX		no		NQ	9,740.00	NQ
28	PA Speaker SRX-500		no		NQ	18,069.00	NQ
29	PA Speaker SPX-400		no		NQ	12,224.00	NQ
30	PA Speaker VS-200		no		NQ	8,108.00	NQ
31	PS Speaker VS-300		no		NQ	10,166.00	NQ
32	Mic stand DGN/DGT		no		NQ	1,580.00	NQ
33	PA Speaker stand STA-100/STA- 150		no		NQ	2,485.00	NQ
34	PA Amplifier with speaker		no		NQ	17,115.00	NQ
35	PA Wireless Meeting Amplifier WA-320		no		NQ	10,605.00	NQ
36	PA Megaphones AM-20H		no		NQ	3,649.00	NQ
37	Speaker wires shielded		no		NQ	4,500.00	NQ
38	Mic Cable roll best quality		no		NQ	5,100.00	NQ
39	MIC connector		no		NQ	250.00	NQ