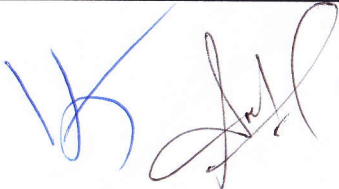




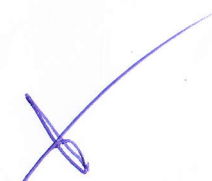


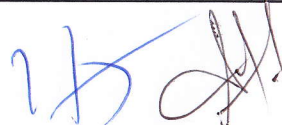
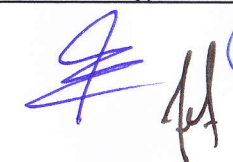
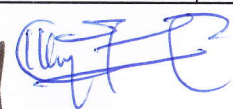



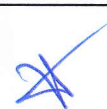
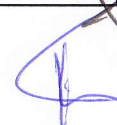


Comparative Statement for Computer Peripherals, Printer and Network Equipments FY-2018-2019

SL #	Item Name	Specification	Unit	Brand	M/s Tharlam Infotech & Solution Thimphu	M/s Himalayan Infotech Thimphu	M/s K.B Enterprise Thimphu	M/s KINS Technology Thimphu	M/s Lamla Sales Service Thimphu	
1	Desktop Computer	Intel® Core™ i5 (8M Cache, 2.66 GHz) processor, 4G DDR3-1066/1333 Memory, 500GB Serial ATA (7,200 Rpm) Hard drive, Optical DVR-RW drive, 4-6 USB ports, 1Gigabit Ethernet Adaptor, USB Optical keyboard & mouse, Integrated HD audio system, Intel® Dual Band Wireless 8260 (802.11ac) + Bluetooth, 20" LED wide Screen, Genuine Microsoft Windows 7/8/10/32/64 bit, Preinstalled MS Word 2013, Pre-installed Antivirus Software	set	dell	36850	39400	39200	NA	37400	
		Intel® Core™ i7 (8M Cache, 2.66 GHz) processor, 4G DDR3-800/1066 Memory, 500GB Serial ATA (7200 Rpm) Hard drive, Optical DVR-RW drive, 4-6 USB ports, 1Gigabit Ethernet Adaptor, USB Optical keyboard & mouse, Integrated HD audio system, Intel® Dual Band Wireless 8260 (802.11ac) + Bluetooth, 20" LED wide Screen, Genuine Microsoft Windows 7/8/10/32/64 bit, Preinstalled MS Word 2013, Pre-installed Antivirus Software	set	dell	48150	49400	49300	NA	48400	
2	Laptop	7th Generation Intel® Core™ i5-7200U (3MB Cache, up to 3.1 GHz) processor, 8GB 1600MHz DDR3L Memory, 1TB 7200RPM Hard Disk Drive, Optical DVR-RW drive, 4-6 USB ports, Integrated HD audio system, 10/100/100Gigabit Ethernet Adaptor, 14" HD (1366x768) Anti Glare (16:9) WLED Display, Genuine Microsoft Windows 7/8/10 32/64 bit, Pre-installed MS Word 2013, Pre-installed Antivirus Software, AC-DC adaptor, Carry case bag	set	dell	36250	39400	41000	NA	37400	
		7th Generation Intel® Core™ i7-7700HQ Quad Core (6MB Cache, up to 3.8 GHz) processor, 8GB, DDR4, 2400MHz Memory, 1TB 5400 rpm Hard Drive, Optical DVR-RW drive, 4-6 USB ports, Integrated HD audio system, 1Gigabit Ethernet Adaptor, 15.6-inch FHD (1920 x 1080) AntiGlare LED-Backlit Display, Genuine Microsoft Windows 7/8/10 32/64 bit, Pre-installed MS Word 2012, Pre-installed Antivirus Software, AC-DC power adaptor, Carry Case	set	dell	46650	49800	56000	NA	64400	

3	MacBook Pro (New)	backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors, Display, 2.3GHz dual-core Intel Core i5, Turbo Boost up to 3.6GHz, with 64MB of eDRAM, Configurable to 2.5GHz dual-core Intel Core i7, Turbo Boost up to 4.0GHz, with 64MB of eDRAM Storage; 256GB PCIe-based onboard SSD, Configurable to 512GB or 1TB SSD Memory; 8GB of 2133MHz LPDDR3 onboard memory, Configurable to 16GB of memory Graphics; Intel Iris Plus Graphics 640 Charging and Expansion; Two Thunderbolt 3 (USB-C) ports with support for: Charging, DisplayPort, Thunderbolt (up to 40 Gbps), USB 3.1 Gen 2 (up to 10 Gbps), Full-size backlit keyboard with; 78 (U.S.) or 79 (ISO) keys including 12 function keys and 4 arrow keys, Ambient light sensor, Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressuresensitive drawing, and Multi-Touch gestures Wi-Fi; 802.11ac Wi-Fi wireless networking; IEEE 802.11a/b/g/n compatibleBluetooth; Bluetooth 4.2 wireless technology Camera; 720p FaceTime HD camera Video Support; Simultaneously supports full native resolution on the built-in display at millions of colors and:One display with 5120-by-2880 resolution at 60Hz at over a billion colors, Up to two displays with 4096- by-2304 resolution at 60Hz at millions of colors, Up to two displays with 3840-by-2160 resolution at 60Hz at over a billion colors Limited Warranty and Service; 90 days of complimentary technical support and a one-year limited warranty Note : We will not accept if the	Nos		135550	199400	NA	NA	164900	
4	iMacPro	Display: 5K Retina display • 27-inch(diagonal)Retina 5K display • 5120-by-2880 resolution with support for billions of colors • 500 nits brightness Processor: 10-Core Memory: 32GB 1. 32GB of 2666MHz DDR4 ECC memory 2. Configurable to 64GB or 128GB Storage: 1TB • 1TB or 4TB SSD Graphics • Radeon Pro Vega graphics processor with 8GB of HBM2 memory • Configurable to Radeon Pro Vega graphics processor with 16GB of HBM2 memo Input • Space Gray Magic Keyboard with Numeric Keypad • Space Gray Magic Mouse2 • Space Gray Magic Trackpad2 Size and Weight • Height : 20.3 inches (51.6 cm) • Width: 25.6 inches (65.0 cm) • Stand depth: 8 inches (20.3 cm) • Weight : 21.5 pounds (9.7 kg) Operating System • Genuine MacOS High Sierra It should support video, Camera and audio Note : We will not accept if the Operating System is not Genuine	Nos		NA	449500	NA	NA	274500	
5	Genuine Operating System	Windows 7	Nos		1550	NA	13000	NA	4500	
		Windows 8.1	Nos		2500	NA	13000	NA	5100	
		Windows 10	Nos		2500	NA	13000	NA	5400	
		All in one (Printer, Scanner, Photocopy)	Per	Hp Laserjet M1212nf MFP	22850	19940	18300	33370	18400	

6	Printer	Multifunction printer Connectivity: Hi-Speed USB 2.0 port, RJ-45 network port specifications for supported paper.: Paper, Envelopes, Transparencies, Printing specifications: Up to 19 ppm for Letter, and up to 18 ppm for A4, Up to 19 ppm for Letter, and up to 18 ppm for A4 Resolution: 600 pixels per inch (ppi) for complex graphics, 300 ppi for normal graphics and text, 150 ppi for photos Duty Cycle: Prints letter-size pages at speeds up to 19 pages per minute (ppm) and A4-size pages at speeds up to 18 ppm. Supports manual two-sided (duplex) printing: Yes Copying specifications : Copies at 300 dots per inch (dpi), Supports manual two-sided (duplex) copying Scanning specifications: Provides up to 1200 pixels per inch (ppi) full-color scanning from the flatbed scanner.	Per	Hp	15350	NA	18300	NA	18400	
		HP LaserJet CP1025 color	Per	Hp	26500	NA	21300	NA	23400	
		HP OfficeJet 5255	Per	Hp		NA	NA	NA	7400	
7	Projector	Full HD 1080 P resolution, 3200 lumens, 10W speaker, 1 HDMI, 1 HDMI/MHL Port, Qucit	Per	ViewSonic PJD77820HD	54220	NA	47999	NA	28400	
		1080 P Full HD, 13,000:1 Constrast Ratio, Built-in speaker, 2*HDMI Inputs, 2000 lumens ANSI Brightness	Per	BenQ W1070	60765	NA	178000	NA	29400	
		2,200 lumens ANSI Brightness, 10,000:1 Constrast Ration, 1080P Full HD, Built in speaker, 2HDMI, 1MHL Port	Per	BenQ HT1085ST	81200	NA	NA	NA	28400	
		2800 Lumens ANSI , 25000:1 Constrast Ration, remote control, 1080P Full HD, 2*HDMI,1*MHL & vesa 3D sync Port	Per	Optoma GT1080	66125	NA	168000	NA	31400	
		1080P Full HD, 15000:1 Constrast Ratio, Auto Standby Mode, Built in speaker, 3 HDMI/1 MHL Port	Per	BenQ HT3050	73160	NA	NA	NA	31400	
8	Projector 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.	Nos		10500	NA	NA	NA	6400	
		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.	Nos		30250	NA	NA	NA	23400	

9	Scanner	Resolution: Up to 600 dpi (color and mono, Sheet-feed), Weight:- 7.5 lb, Bit depth:- 24-bits external 48-bits internal, Max Document Scan size: 8.5 x 122 in, Scannable Media Types: Cut Sheet Paper, Printed Paper (Laser and ink), Pre-Punched Paper, Bank Checks, Business Cards, Freight Bills, Carbonless forms, Previously stapled media with staple removed, Input Type:- Sheetfed, Connectivity: USB 2.0 and USB 3.0 (SuperSpeed).	Nos	HP ScanJet Pro 3000 s3 Sheet-feed Scanner	35650	NA	32999	NA	29400	
		Resolution: Up to 600 x 600 dpi (color and mono, ADF); Up to 1200 x 1200 dpi (color and mono, flatbed), Weight:- 9.5 lb, Bit depth:- 24-bits external 48-bits internal, Max Document Scan size: 8.5 x 122 in, Scannable Media Types: Paper (banner, inkjet, photo, plain), envelopes, labels, cards (greeting, index), Input Type:- Flatbed, ADF, Connectivity: Hi-Speed USB 2.0	Nos	HP ScanJet Pro 2500 f1 Flatbed Scanner	21450	NA	22999	NA	18400	
10	Photocopy Machine	A5 - A3, StackBypass: A5R - A3, Envelopes, Resolution Copying: 600dpi x 600dpi, 1200dpi(PCL, UFR II LT), 1200dpi x 1200dpi(UFR II LT), 256 Gradations Copy/Print A4: 18cpm (iR2018/i), 22cpm (iR2022/i), 25cpm (iR2025/i), 20cpm, Speed (9iR2030/i) A3: 15cpm for iR2018/18i/22/22i/25/30/i, Magnification Zoom: 50-200%, Fixed: 50%, 70%, 100%, 141%, 200%, First Copy Time: 6.9 sec, Warm-Up Time Approx. 26 seconds (approx 14 seconds for iR2018/22), Multiple Copies/Print: 1 to 99 sheets, Duplexing Optional Automatic Stackless (Standard for iR2025/30/i), Paper Weight Cassette: 64 to 90gsm Stack Bypass: 64 to 128gsm, Double-sided: 64 to 90gsm, Cassette Universal: A5 to A3, Paper Standard: 250 sheets x 2 cassettes (80gsm, 500 sheets) for iR2022/22i/25/30/i 250 sheets x 1 cassettes (80gsm, 250 sheets) for iR2018/i Multi Stack Bypass: 80 sheets (80gsm) for A5R to A4, 50 sheets for A4 (80gsm) Optional: 250 sheets x 2 cassettes (500 sheets) for iR2022/25/30/i 250 sheets x 3 cassettes (750 sheets) for iR2018/i 250 sheets x 1 cassette for iR2018/i Max. total paper capacity: 1,080 sheets CPU Canon Customer Processor, 192 MHz Memory 256MB (128MB for iR2018/22) Interface Ethernet (100Base-TX/10Base-T), USB2.0, Power Supply 220V AC to 240V AC +/- 10% (50/60Hz), Power Consumption (50/60Hz) 1.5KW max Scan Speed BW: 20ipm A4 300dpi; Colour: 6ipm A4 300dpi, Scan BW: 100dpi, 150dpi, 200 x 100dpi, 200dpi, 200 x 400dpi, 300dpi, 400dpi, Resolution 600dpi; Colour: 100dpi; 150dpi, 200dpi, 300dpi, Resolution 1200dpi equivalent x 600dpi (PCL, UFR II LT), 1200dpi x 1200dpi	Set	Canon iR2025 Office Photocopier	108500	NA	NA	123515	154700	
11	Presentaton Pointer	August LP205R Wireless Presenter with Red Laser Pointer - Cordle	Nos		4550	NA	NA	NA	3900	X
12	Computer Keyboard	Wireless keyboard	No		1050	NA	2700	NA	940	
		Wired Keyboard	No		385	NA	1200	NA	440	
13	Computer Mouse	Wireless Mouse with pad	No		850	NA	1200	NA	630	B
		Wired Mouse with pad	No		275	NA	700	NA	194	
14	Computer parts	SMPS Power Supply (for all type of computer	Per Set		850	NA	1500	NA	2400	
		Speaker Compatible with any type of computer	Per Set		750	NA	1800	NA	740	
15	External Hard Disk Drive	1 TB HDD	Nos		4850	NA	4700	NA	4900	
		500 GB HDD	Nos		3850	NA	3700	NA	4300	
16	Pen Drive/Thumb Drive	8 GB	Nos		355	NA	500	NA	450	
		16 GB	Nos		470	NA	900	NA	540	
		32 GB	Nos		950	NA	1800	NA	790	

17	Switch	Rack mountable, 16 ports Gigabit Ethernet Unmanaged Switch with power cord	Nos		7990	NA	NA	NA	6700	
		Rack mountable, 24 ports Gigabit Ethernet Unmanaged Switch with power cord	Nos		4660	NA	NA	NA	8400	
		Rack mountable, 16 Ports Gigabit Ethernet Managed L2 Switch with 2 SFP slots and power cord	Nos		34200	NA	NA	NA	NA	
		Rack mountable, 24 Ports Gigabit Ethernet Managed L2 Switch with 4 SFP slots and power cord	Nos		48250	NA	NA	NA	15440	
18	Switch Rack	6U, 19" wall mount switch rack with glass door lock and key	Nos		4550	NA	NA	NA	4300	
		9U, 19" wall mount switch rack with glass door lock and key	Nos		5450	NA	NA	NA	5900	
		12U, 19" wall mount switch rack with glass door lock and key	Nos		6650	NA	NA	NA	11400	
19	Ethernet Cable	Cat6 UTP Solid cable 305 meter (100% copper)	roll		5750	NA	7200	NA	5900	
20	RJ 45 Connetor	RJ 45 Connector (transparent color 1Pkt=100 pieces)	Pkt		1200	NA	2700	NA	1100	
21	Patch Panel	Cat6 12 port Modular Patch Panel	Nos		4650	NA	NA	NA	NA	
		Cat6 24 port Modular Patch Panel	Nos		5400	NA	NA	NA	4300	
22	Patch Cord	UTP Cat6 factory crimped patch cord 0.5 meter (100% copper cable)	Nos		255	NA	400	NA	195	
		UTP Cat6 factory crimped patch cord 5 meter (100% copper cable)	Nos		450	NA	1200	NA	730	
23	Fiber patch cord	Simplex UPC/SC-UPC/SC fiber patch cord SM 2.0mm, 2 meter	Nos		NA	NA	NA	NA	545	
24	Media Converter	Singlemode Single Fiber WDM Media Converter 10/100/1000Mbps (Gigabit) Fast Ethernet Note: supplier should provide SC-SC Female to Male Fiber Optic Attenuator 3dB or 5dB to suit certain optical power level for 200-500 meters distance.	per pair		4650	NA	NA	NA	9400	
25	Cat6 A I/O Box	Cat6 A IO Box with Face Plate and CATEGORY 6 A Modular Jacks/IO Jacks UTP CAT6A	Nos			NA	NA	NA	495	
		Cat6 A IO Box with Face Plate and CATEGORY 6 A Modular Jacks/IO Jacks UTP CAT6A I/O with Face Plate	Nos			NA	NA	NA	495	
26	Networking Tool Kits	Network toolkit case/bag includes cable tester, crimper (RJ 45, RJ 11/12),stripper sets with screw driver	set		6250	34400	NA	NA	5400	
27	Access Point	300 mbps wireless N router TL-WR941ND	set		2750	NA	4800	NA	3900	
		300 Mbps wireless N access point TL-WA901ND	set		3650	NA	NA	NA	3900	
		150 Mbps wireless N router TL-WR740N	set		1650	NA	NA	NA	2900	
		2.4GHz High power wireless outdoor CPE TL-WA5210G	set		5850	NA	NA	NA	5470	
		Linksys WiFi Router N300 Monitor (E1200)	set		4950	NA	NA	NA	NA	
28	Wireless Outdoor CPE	2.4 GHz 300 Mbps 12 dBi Outdoor CPE 220	set	TP-Link	5540	NA	NA	NA	5400	
		5 GHz 300 Mbps 13 dBi Outdoor CPE 510	set	TP-Link	6250	NA	NA	NA	5900	
29	Mobile Wifi	300 Mbps LTE-Advanced Mobile Wifi M7450	set	TP-Link	NA	NA	NA	NA	6700	
		LTE-Advanced Mobile Wifi M7350	set	TP-Link	NA	NA	NA	NA	8400	
		LTE-Advanced Mobile Wifi M7300	set	TP-Link	NA	NA	NA	NA	8400	
		4 G LTE Mobile Wifi M7200	set	TP-Link	NA	NA	NA	NA	8400	
30	HDMI to VGA Converter	any	Nos		750	NA	2700	NA	740	
31	HDMI cable	5 m	Nos		1150	NA	2700	NA	415	
		15m	Nos		2150	NA	7000	NA	1400	
		25 m	Nos		3450	NA	14000	NA	2300	
32	DVD	DVD +RW with case/bag	per case		65	NA	NA	NA	70	
33	Office Packages	Microsoft Office 2013, 100 Users	Nos		58500	NA	12000	NA	NA	
		Microsoft Office 2016, 100 Users	Nos		58500	NA	1400	NA	24400	
34	Vacuum Cleaner Machine	Heavy duty	Nos		NA	NA	NA	NA	14700	

35	Blower	Laptop and CPU dust blower	Nos		1850	NA	NA	NA	1340	
36	UPS for PCs/Electronic Point of Sale)	APC Back UPS 400/APC Back UPS 500/APC Back UPS 700			3250	NA	NA	NA	3700	
37	UPS for Servers	APC Smart-UPS x 750va rack/tower lcd 230v, APC power-saving back-ups pro 900, 230v, APC Smart-UPS 750 lcd			6750	NA	NA	NA	5900	
38	Cable binder (white/Black)	3.6 x 200 mm white (100 pieces)	Pkt		34450	NA	NA	NA	540	
39	Smart Full HD LED TV	Size 42", 3 HDMI Ports, 2-3 USB Ports, one or more VGA Ports, CI +, ethernet port, Smart TV(online apps, open internet browser, youtube), internet access(web browser), LED, aspect ratio 16:9, PC Streaming, wifi 2*2 intergrated	Nos		NA	NA	36000	NA	34400	
40	Power /loud speaker	Mackie Thump12A - 1300W 12" Powered Loudspeaker	Nos		NA	NA	NA	NA	31430	
41	Amplifier	500W Professional High Power PA Amplifier With Digital Media Player	Nos		NA	NA	NA	NA	27300	
42	Mike	Audio-Technica Pro 31 Cardioid Dynamic Handheld Wired Microphone with XLR to 1/4-inch Cable - Black\			NA	NA	NA	NA	3020	
43	Codeless Mike	VR-3U UHF Wireless Microphone, Professional Wireless Microphone Karaoke Microphone	Nos		NA	NA	NA	NA	3770	
44	TV Screen	29" LED with HDMI & VGA Port	Nos		19500	NA	21000	NA	18400	
		40" LED with HDMI & VGA Port	Nos		27000	NA	35000	NA	28400	
		42" LED with HDMI & VGA Port	Nos		29450	NA	36000	NA	31900	
		70" LED with HDMI & VGA Port	Nos		125000	NA	218000	NA	113400	
45	Extension Cord	4 ways Extension Cord	Nos		590	NA	1200	NA	465	
46	Anti Virus	Anti Virus 2 users	Nos		1100	NA	1800	NA	1740	
		Anti Virus 10 users	Nos		3150	NA	8000	NA	7200	
		Anti Virus 15 users	Nos		4950	NA	12000	NA	NA	

