University of Peradeniya
Recommended Specifications for IT Equipment Procurement

Date: December 2024
Last updated: May 2025

Preamble

This document sets out the minimum specifications to be followed when procuring computers, printers, photocopiers, multimedia projectors, smartboards. monitors, and uninterruptible power supplies (UPSs) for the University of Peradeniya. It defines the essential hardware and software requirements of these devices to ensure consistency, compatibility, and cost-effectiveness across the university's information technology infrastructure.

Its purpose is to provide clear guidance that supports the university's academic and administrative functions, while promoting the standardisation of information and communication technology (ICT) equipment acquired by various departments.

It should be noted that this document does not cover technical specifications for task-specific ICT systems. Requirements unique to particular disciplines or projects must be developed independently, in consultation with the relevant stakeholders and IT experts.

IMPORTANT: When preparing procurement documents, users must ensure that detailed technical specifications and vendor compliance criteria are clearly stated. This is essential to confirm that procured systems align with the defined requirements and to ensure fair and transparent competition among vendors. Refer to individual technical specification notes for further guidance.

TECHNICAL SPECIFICATION REFERENCE CODES

Please refer to detail specifications attached to decide the most appropriate device.

Code	Page No.	Purpose	Description
Computers			
DCOW01	3	Basic Office Work	Desktop Computers primarily used for routine administrative and clerical tasks, such as ERP/SAP, word processing, spreadsheet management, and web-based applications.
DCLA02	5	Laboratory Applications	Desktop Computers utilised in academic and research laboratories, requiring enhanced performance to support moderate computational workloads and specialised software.
DCHD03	7	Computationally Demanding Tasks	High-performance Desktop computers designed for advanced computing needs, including simulations, data analysis, and other resource-intensive applications.

LCOW04	9	Laptop Computer	A portable device to provide general computing

Printers

LPL01	11	Laser Printer (Low volume)	Approximately 500 – 1000 prints per month.
LPM02	13	Laser Printer (Moderate volume)	Approximately 1000 – 2500 prints per month.
LPH03	15	Laser Printer (High volume)	Over 5000 prints per month.
IJPL01	17	Colour Inkjet Printer (Low volume)	Approximately 50 - 100 prints per month

Multifunction Photocopier

PCL01	19	Multifunction Photocopier (Moderate volume)	Approximately 500 – 2000 copies per month
PCH02	21	Multifunction Photocopier (High volume)	Over 5000 copies per month.

Multimedia Projectors

MPLT01	23	Long throw	When the projector can be mounted at a considerable distance from the projection surface, like in the case of lecture halls and large rooms (Full HD resolution).
MPST02	25	Short throw	When the distance between the projector and the screen is a few meters, small rooms, and those requiring higher resolution (4K UHD resolution).

Interactive Smartboard & Computer Monitor

SB01	27	Interactive Smartboard	For Smart classrooms, lecture theatres, seminar/meeting rooms.
CM02	29	24" Computer Display	For additional computer displays.

Uninterrupted Power Supply (UPS)

UPS650	30	650VA line-interactive UPS	for average desktop computers.
UPS1000	31	1-1.2kVA line-interactive UPS	for computers with hight specification and more power consumption, such as with GPUs and workstations.
UPS3000	32	3kVA Online UPS	for servers and critical/sensitive equipment that require stable power andshould to be operational for longer durations.

1. Desktop computer systems for office work – CODE: DCOW01

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	MicroTower			
6	Processor	Intel i5 14th Generation with minimum of 10 Cores and 20MB Cache memory and Intel UHD Graphics 770			
8	Chipset	H or Q series			
9	Memory	16GB DDR5 4000MT/s or higher upgradable up to 32GB			
10	InternalStorage	512GB NVMe M.2 SSD for Operating System			
		1TB SATA 7200rpm Hard disk			
11	OpticalDrive	DVD-RWSATAdrive			
12	Sound	IntegratedSound			
13	VideoController	Integratedgraphics			
14	Monitor	24' LED monitor with 1920x1080 resolution and 75Hz refresh rate (Same brand)			
14	Networkinterface	IntegratedGigabitEthernet			
		IntegratedWirelessLAN (Wi-Fi 5)			
15	I/OPorts	Minimum4ExternalUSB3.0ports			
		Minimumleast 4 rear and 2 front USB ports for desktops			
		Minimum 1 USB-C with transfer rates of 10Gbps			
		1xMicrophonesonfront			
		1xheadphonesonfront			
		1 xRJ45			
		HDMI			
17	Expansionslots	(Please specify)			
18	Mouse	2-ButtonOpticalScrollMouse (Same brand)			
19	Keyboard	QWERTY keyboard (Same Brand)			
20	OperatingSystem	GenuineWindows11Professional64bit with recovery cloud image (Manufacture confirmation required by computer serial number)			

21	DriverSoftware	ShouldbeincludedhardwareDriversonCDMedia			
22	Security	Cablelock, chassissecurityslotandpadlockloop			
23	Warranty	03Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
24	UPS	650VA with 1-year warranty			
25	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof08years'experienceinselling thequotedSimilarProductsinSriLanka			
		Manufacturershouldhaveminimumof10years'experiencein manufacturingofthesameBrand(Attachproof)			

2. Desktop computer systems for laboratory applications – CODE: DCLA02

Item Specification			Conformity		
	Description	Requirement	Yes	No	If "No" Supplier's response
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	MicroTower			
6	Processor	Intel i7 14th Generation with minimum of 20 Cores and 33MB Cache memory and Intel UHD Graphics 770			
8	Chipset	H or Q series			
9	Memory	32GB DDR5 4000MT/s or higher upgradable up to 64GB			
10	InternalStorage	1TB NVMe M.2 SSD for Operating System			
		1TB SATA 7200rpm Hard disk			
11	OpticalDrive	DVD-RWSATAdrive			
12	Sound	IntegratedSound			
13	VideoController	Integratedgraphics			
14	Monitor	24' LED monitor with 1920x1080 resolution and 75Hz refresh rate (Same brand)			
14	Networkinterface	IntegratedGigabitEthernet			
		IntegratedWirelessLAN (Wi-Fi 5)			
15	I/OPorts	Minimum4ExternalUSB3.0ports			
		Minimumleast 4 rear and 2 front USB ports for desktops			
		Minimum 1 USB-C with transfer rates of 10Gbps			
		1xMicrophonesonfront			
		1xheadphonesonfront			

		1 xRJ45			
		HDMI			
17	Expansionslots	(Please specify)			
18	Mouse	2-ButtonOpticalScrollMouse (Same brand)			
19	Keyboard	QWERTY keyboard (Same Brand)			
20	OperatingSystem	GenuineWindows11Professional64bit with recovery cloud image (Manufacture confirmation required by computer serial number)			
21	DriverSoftware	ShouldbeincludedhardwareDriversonCDMedia			
22	Security	Cablelock, chassissecurityslotandpadlockloop			
23	Warranty	03Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
24	UPS	650VA with 1-year warranty			
25	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof08years'experienceinselling thequotedSimilarProductsinSriLanka			
		Manufacturershouldhaveminimumof10years'experiencein manufacturingofthesameBrand(Attachproof)			

3. Desktop computer systems for computationally demanding tasks – CODE: DCHD03

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	Tower			
6	Processor	Intel i7 14th Generation with minimum of 20 Cores and 33MB Cache memory and Intel UHD Graphics 770			
8	Chipset	H or Q series			
9	Memory	64GB DDR5 4000MT/s or higher upgradable up to 128GB			
10	GPU	Nvidia G-force RTX 4060 with 8GB Memory or better with Dual Monitor support.			
11	InternalStorage	1TB NVMe M.2 SSD for Operating System			
		2 x 1TB SATA 7200rpm Hard disk			
12	OpticalDrive	DVD-RWSATAdrive			
13	Sound	IntegratedSound			
14	VideoController	Integratedgraphics			
15	Monitor	24' LED monitor with 1920x1080 resolution and 75Hz refresh rate OR 27' LED monitor with 3840x2160 (4K) resolution and 144Hz refresh rate. (Same brand or equivalent)			
16	Networkinterface	IntegratedGigabitEthernet			
		IntegratedWirelessLAN (Wi-Fi 5)			
17	I/OPorts	Minimum4ExternalUSB3.0ports			
		Minimumleast 4 rear and 2 front USB ports for desktops			
		Minimum 1 USB-C with transfer rates of 10Gbps			
		1xMicrophonesonfront			
		1xheadphonesonfront			
		1 xRJ45			
		HDMI			
18	Expansionslots	(Please specify)			
19	Mouse	2-ButtonOpticalScrollMouse (Same brand)			
20	Keyboard	QWERTY keyboard (Same Brand)			

			Conformity		
21	OperatingSystem	GenuineWindows11Professional64bit with recovery cloud image (Manufacture confirmation required by computer serial number)			
22	DriverSoftware	ShouldbeincludedhardwareDriversonCDMedia			
23	Security	Cablelock, chassissecurityslotandpadlockloop			
24	Warranty	03Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
25	UPS	1KVA with 1-year warranty			
26	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof08years'experienceinselling thequotedSimilarProductsinSriLanka			
		Manufacturershouldhaveminimumof10years'experiencein manufacturingofthesameBrand(Attachproof)			

4. Laptop computer systems for general use – CODE: LCOW04

	Item Specification		Conformity		
	Description	Requirement	Yes	No	If "No" Supplier's response
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
6	Processor	Intel i5 14th Generation with minimum of 10 Cores and 20MB Cache memory and Intel UHD Graphics 770 OR Intel Ultra 5 225U or better with minimum 12 cores and 12MB Cache memory and Intel Graphics			
7	Memory	16GB DDR5 4000MT/s or higher upgradable up to 32GB			
8	InternalStorage	512GB NVMe M.2 SSD for Operating System			
		1TB SATA 7200rpm Hard disk (Optional)			
9	Audio	IntegratedHD Audio			
10	Screen	15.6" diagonal FHD (1920 x 1080)			
11	Keyboard	US Windows keyboard			
12	Camera	720p HD camera or better			

13	Networkinterface	IntegratedGigabitEthernet			
		IntegratedWirelessLAN (Wi-Fi 5 or better)			
		Bluetooth V5.0 or higher			
14	I/OPorts	Minimum 1 x USB-C port			
		USB-C 65W PD port (Optional)			
		Headphone/microphone combo jack			
		2 x USB 3 ports			
		1 xRJ45			
		HDMI			
		Other: Please specify			
		IF only USB-C a multiport Docking station must be included			
15	Expansionslots	(Please specify)			
16	Battery	3-cell 42Wh Li-ion or better			
17	Power Adapter	(Please specify)			
18	Carrying Case	Should be from the same brand			
19	OperatingSystem	GenuineWindows11Professional64bit with recovery cloud image (Manufacture confirmation required by computer serial number)			
20	DriverSoftware	Included Hardware Drivers on CD Media or hard disk recovery partition			
21	Security	Cablelock			
22	Warranty	03Yearscomprehensive manufacturer warranty(Verifiable Online)			
23	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof 10years'experienceinselling thequotedSimilarProductsinSriLanka			
		Manufacturershouldhaveminimumof15years'experiencein manufacturingofthesameBrand(Attachproof)			

5. Laser Printer (Low usage) – CODE: LPL01

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	Monochrome Laser Printer			
6	Functionality	Print Only or Multifunction (Print, Scan, Copy, Send)			
7	Duplex Printing	Automatic Duplex printing (built-in)			
8	Print Resolution	600 x 600 dpi or higher Enhanced resolution up to 1200 x 1200 dpi			
9	Print Speed	25 pages per minute (ppm) for A4 size or higher			
10	First Print out	6 seconds or less			
11	Monthly Duty Cycle	10,000 pages of higher			
12	Recommended Monthly Volume	500 – 1000 pages			
13	Paper Input Capacity	250 Sheets or higher			
14	Multipurpose Tray Capacity	50 Sheets or higher			
15	Paper out Capacity	150 Sheets or higher			
16	Supported Media Types	Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond			
17	Supported Paper Sizes	A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10)			
18	Automatic Document Feeder (ADF)	35-sheet capacity for scanning and copying or higher (Optional)			
19	Processor Speed	600MHz or higher			
20	Memory	256MB or higher			
21	Connectivity	Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher			
22	Mobile Printing	Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional)			
23	Standard Page Description	UFR II, PLC6, PLC 5, PostScript			

	Languages				
24	Display	2-Line LCD Display or better			
25	Power	220-240V AC, 50/60Hz			
26	Operating System Support	Windows 10 or higher, macOS 10.10 or higher, Linux			
27	Security Features	Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering			
28	Cost and Yield (at 5% coverage)	High yield toner price (Rs.)			
		Toner yield			
		Drum price (Rs.)			
		Drum yield			
29	Warranty	01Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
30	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
31	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof08years' experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years' experience in manufacturing of the same Brand (Attach proof)			
32	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

6. Laser Printer (Moderate usage) – CODE: LPM02

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	Monochrome Laser Printer			
6	Functionality	Print Only or Multifunction (Print, Scan, Copy, Send)			
7	Duplex Printing	Automatic Duplex printing (built-in)			
8	Print Resolution	600 x 600 dpi or higher Enhanced resolution up to 1200 x 1200 dpi			
9	Print Speed	35 pages per minute (ppm) for A4 size or higher			
10	First Print out	6 seconds or less			
11	Monthly Duty Cycle	25,000 pages of higher			
12	Recommended Monthly Volume	1000 – 2500 pages			
13	Paper Input Capacity	250 Sheets or higher			
14	Multipurpose Tray Capacity	50 Sheets or higher			
15	Paper out Capacity	150 Sheets or higher			
16	Supported Media Types	Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond			
17	Supported Paper Sizes	A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10)			
18	Automatic Document Feeder (ADF)	35-sheet capacity for scanning and copying or higher (Optional)			
19	Processor Speed	600MHz or higher			
20	Memory	256MB or higher			
21	Connectivity	Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher			
22	Mobile Printing	Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional)			
23	Standard Page Description	UFR II, PLC6, PLC 5, PostScript			

	Languages				
24	Display	2-Line LCD Display or better			
25	Power	220-240V AC, 50/60Hz			
26	Operating System Support	Windows 10 or higher, macOS 10.10 or higher, Linux			
27	Security Features	Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering			
28	Cost and Yield (at 5% coverage)	High yield toner price (Rs.)			
		Toner yield			
		Drum price (Rs.)			
		Drum yield			
29	Warranty	03Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
30	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
31	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof08years' experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years' experience in manufacturing of the same Brand (Attach proof)			
32	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

7. Laser Printer (High Usage) – CODE: LPH03

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	Monochrome Laser Printer			
6	Functionality	Print Only or Multifunction (Print, Scan, Copy, Send)			
7	Duplex Printing	Automatic Duplex printing (built-in)			
8	Print Resolution	600 x 600 dpi or higher Enhanced resolution up to 1200 x 1200 dpi			
9	Print Speed	50 pages per minute (ppm) for A4 size or higher			
10	First Print out	6 seconds or less			
11	Monthly Duty Cycle	100,000 pages of higher			
12	Recommended Monthly Volume	5000+ pages			
13	Paper Input Capacity	500 Sheets or higher			
14	Multipurpose Tray Capacity	50 Sheets or higher			
15	Paper out Capacity	150 Sheets or higher			
16	Supported Media Types	Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond			
17	Supported Paper Sizes	A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10)			
18	Automatic Document Feeder (ADF)	35-sheet capacity for scanning and copying or higher (Optional)			
19	Processor Speed	600MHz or higher			
20	Memory	256MB or higher			
21	Connectivity	Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher			

22	Mobile Printing	Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional)			
23	Standard Page Description Languages	UFR II, PLC6, PLC 5, PostScript			
24	Display	2-Line LCD Display or better			
25	Power	220-240V AC, 50/60Hz			
26	Operating System Support	Windows 10 or higher, macOS 10.10 or higher, Linux			
27	Security Features	Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering			
28	Cost and Yield (at 5% coverage)	High yield toner price (Rs.)			
		Toner yield			
		Drum price (Rs.)			
		Drum yield			
29	Warranty	03 Years comprehensive warranty (Labour, Parts, Onsite Backup)			
30	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
31	Product Experience	Product brand mush be an internationally recognized brand.			
		Bidder should have minimum of 08 years' experience in selling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturer should have minimum of 10 years' experience in manufacturing of the same Brand (Attach proof)			
32	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

8. Inkjet Printer (Low usage) – CODE: IJPL01

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	Colour Inkjet Printer			
6	Ink source	Reservoir/Tank			
7	Functionality	Print Only or All-in-one (Print, Scan, Copy)			
8	Print Resolution	4800 x 1200 dpi or higher			
9	Print Speed	8 ppm (Black); 5 ppm (colour) for A4 size or higher			
10	First Print out	6 seconds or less			
11	Monthly Duty Cycle	1,000 pages of higher			
12	Recommended Monthly Volume	50 – 100 pages			
13	Paper Input Capacity	50 Sheets or higher			
15	Paper out Capacity	25 Sheets or higher			
16	Supported Media Types	Plain paper 70 – 90 gsm Photo paper 250 gsm			
17	Supported Paper Sizes	A4, A5, A6, B5, C6, DL envelopes & custom size			
19	Processor Speed	400MHz or higher			
20	Memory	64MB or higher			
21	Connectivity	Built-in Wi-Fi (802.11b/g/n or higher), USB 2.0 or higher			
22	Mobile Printing	Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional)			
23	Standard Page Description Languages	PCL, GDI			
24	Display	2-Line LCD Display or better			
25	Power	220-240V AC, 50/60Hz			
26	Operating System Support	Windows 10 or higher, macOS 10.10 or higher, Linux			

28	Cost and Yield (at 5% coverage)	Ink Bottle (Black) price (Rs.)		
		Ink bottle (Black) yield		
		Ink bottle (Colour) price (Rs.)		
		Ink bottle (Colour) yield		
29	Warranty	01Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)		
30	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.		
31	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.		
		Biddershouldhaveminimumof08years'experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)		
		Manufacturer Authorization letter (Attach)		
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)		
32	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)		

9. Multifunction Photocopier (Moderate usage) – CODE: PCM01

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	A3 Monochrome Multifunction Photocopier			
6	Functionality	Print, Scan, Copy, (Send Optional)			
7	Duplex Printing	Automatic Duplex printing and copying (built-in)			
8	Print Resolution	600 x 600 dpi or higher Enhanced resolution up to 1200 x 1200 dpi			
9	Scan Resolution	600 x 600 dpi or higher			
10	Copy/Print Speed	≥20 pages per minute (ppm) for A4 size			
11	Warm-up Time	30 seconds or less			
12	First Copy out	7 seconds or less			
13	Monthly Duty Cycle	10,000 pages or higher			
14	Recommended Monthly Volume	500 - 2000 pages			
15	Paper Input Capacity	250 Sheets or higher			
16	Multipurpose Tray Capacity	100 Sheets or higher			
17	Paper out Capacity	250 Sheets or higher			
18	Supported Media Types	Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond			
19	Supported Paper Sizes	A5 to A3 including custom sizes			
20	Automatic Document Feeder (ADF)	50-sheet capacity for duplex scanning and or better			
21	Zoom Ratio	25% to 400% in 1% increments			
22	Processor Speed	400MHz or higher			
23	Memory	1GB or higher			
24	Connectivity	Built-in Wi-Fi - Optional (802.11b/g/n), Ethernet (10/100Base-TX or better),			

		USB 2.0 or higher			
25	Mobile Printing	Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional)			
26	Standard Page Description Languages	UFR II, PLC6, PLC5, PostScript			
27	Display	5-inch touch screen or better			
28	Power	220-240V AC, 50/60Hz			
29	Operating System Support	Windows 10 or higher, macOS 10.10 or higher, Linux			
30	Security Features	Password-protected network access, Secure Print, SNMPv3, IPseć, MAC/IP filtering			
31	Cost and Yield (at 5% coverage)	High yield toner (Black) price (Rs.)			
		Toner (Black) yield			
		Drum price (Rs.)			
		Drum yield			
		Developer price (Rs.)			
		Developer yield			
32	Warranty	03Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
33	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
34	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Bidder should have minimum of 08 years' experience in selling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			
35	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

10. Multifunction Photocopier (High usage) – CODE: PCH02

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Type	A3 Monochrome/(Colour if applicable) Multifunction Photocopier			
6	Functionality	Print, Scan, Copy, Send			
7	Duplex Printing	Automatic Duplex printing and copying			
8	Print Resolution	600 x 600 dpi or higher Enhanced resolution up to 1200 x 1200 dpi			
9	Scan Resolution	600 x 600 dpi or higher			
10	Copy/Print Speed	≥25 pages per minute (ppm) for A4 size			
11	Warm-up Time	30-60 seconds or less			
12	First Copy out	5-8 seconds or less			
13	Monthly Duty Cycle	100,000 pages monochrome or higher 50,000 pages colour or higher			
14	Recommended Monthly Volume	5000+ pages			
15	Paper Input Capacity	1100 Sheets or higher			
16	No of drawers	2 or more (supports A3)			
17	Multipurpose Tray Capacity	100 Sheets or higher			
18	Paper out Capacity	250 Sheets or higher			
19	Supported Media Types	Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond			
20	Supported Paper Sizes	A5 to A3 including custom sizes			
21	Paper Weight	60-220 gsm			
22	Automatic Document Feeder	100 sheet capacity for duplex scanning and or better			
23	Zoom Ratio	25% to 400% in 1% increments			
24	Processor Speed	400MHz or higher			
25	Memory	2GB or higher			

26	Hard Disk	256GB			
27	Connectivity	Built-in Wi-Fi - Optional (802.11b/g/n), Ethernet (10/100/1000Base-TX), USB 2.0 or higher			
28	Mobile Printing	Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional)			
29	Standard Page Description Languages	UFR II, PLC6, PLC5, PostScript			
30	Finishing	Stapling, hole punching, folding (select as required)			
31	Display	7-inch colour touch screen or better			
32	Power	220-240V AC, 50/60Hz			
33	Operating System Support	Windows 10 or higher, macOS 10.10 or higher, Linux			
34	Security Features	Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering			
35	Cost and Yield (at 5% coverage) (CYM if applicable)	High yield toner (Black) price (Rs.)			
		Toner (Black) yield			
		Colour Toner (CYM) price (Rs.)			
		Colour Toner (CYM) yield			
		Drum price (Rs.)			
		Drum yield			
		Developer price (Rs.)			
		Developer yield			
36	Warranty	03Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup)			
37	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
38	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof10 years'experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			
39	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

Note: Delete Colour requirement if only procuring Monochrome photocopiers & finishing

11. Multimedia Projector (Long throw) – CODE: MPLT01

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Projection Technology	DLP, 3LCD, or Laser-based technology			
6	Type	Long throw			
7	Throw Ratio	$\geq 1.5:1$			
8	Native resolution	1920 x 1080 (Full HD)			
9	Brightness	4,500 ANSI Lumens or higher			
10	Contrast Ratio	10,000:1 or better			
11	Screen Size	30 – 300 inches			
12	Aspect Ratio	16:9 or 16:10 native (UXGA or WUXGA)			
13	Keystone Correction	Vertical and Horizontal Keystone Correction ($\pm 15°$ or more)			
14	Lens Shift	Vertical and Horizontal Lens Shift (Optional)			
15	Zoom Capability	Optical Zoom (1.2x or higher)			
16	Lamp Life	5,000 hours (Normal Mode) or higher; 10,000 hours (Eco Mode) or higher			
17	Connectivity	HDMI (2.0 or higher), VGA, USB Type-A and Type-B, Audio In/Out, LAN (RJ-45), Wi-Fi Built-in or Dongle			
18	Audio	Built-in speakers (minimum 10W)			
19	Power	100-240V AC, 50/60Hz			
20	Noise Level	≤ 35 dB (Normal Mode); ≤ 30 dB (Eco Mode)			
21	Start-up duration	10 seconds or less			
22	Warmup period	30 seconds or less			
23	Cooling period	Instant Off			
24	Mounting Options	Ceiling mountable; compatible with standard mounting kits			

25	Warranty	Projector warranty 2 Years/6000 hours (whichever comes first); 2000 hours lamp warranty.			
26	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
27	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof05years' experience in selling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years' experience in manufacturing of the same Brand (Attach proof)			
28	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

Notes: Multimedia Projectors to be permanently mounted should call for bids including installation charges and require a site visit.

12. Multimedia Projector (Short throw) – CODE: MPST02

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Projection Technology	DLP, 3LCD, or Laser-based technology			
6	Type	Short throw			
7	Throw Ratio	$\leq 0.5:1$			
8	Native resolution	3840 x 2160 (4K UHD)			
9	Brightness	3,000 ANSI Lumens or higher			
10	Contrast Ratio	10,000:1 or better			
11	Screen Size	30 – 300 inches			
12	Aspect Ratio	16:9 or 16:10 native (UXGA or WUXGA)			
13	Keystone Correction	Vertical and Horizontal Keystone Correction ($\pm 30°$ or more)			
14	Lens Shift	Vertical and Horizontal Lens Shift (Optional)			
15	Zoom Capability	Optical Zoom (1.2x or higher)			
16	Lamp Life	4,000 hours (Normal Mode) or higher; 10,000 hours (Eco Mode) or higher			
17	Connectivity	HDMI (2.0 or higher), USB Type-C or Type-A, Audio In/Out, LAN (RJ-45), Wi-Fi Built-in or Dongle (Optional)			
18	Audio	Built-in speakers (minimum 10W)			
19	Power	100-240V AC. 50/60Hz			
20	Noise Level	≤ 35 dB (Normal Mode); ≤ 30 dB (Eco Mode)			
21	Start-up duration	10 seconds or less			
22	Warmup period	30 seconds or less			
23	Cooling period	Instant Off			
24	Mounting Options	Ceiling mountable; compatible with standard mounting kits			
25	Warranty	Projector warranty 2 Years/6000 hours (whichever			

		comes first); 2000 hours lamp warranty.			
26	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
27	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof 10years'experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			
28	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

Notes: Multimedia Projectors to be permanently mounted should call for bids including installation charges and require a site visit.

13.Interactive Smartboard – CODE: SB01

	Item Specification		Conformity		
	Description	Requirement	Yes	No	If "No" Supplier's response
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Display Screen Size (diagonal)	65", 75", 85", 98" (Select appropriate size)			
6	Display Type	LCD with DLED Backlit			
7	Contrast Ratio	4,000:1 or better			
8	Native resolution	3840 x 2160 (4K UHD)			
9	Aspect Ratio	16:9			
10	Brightness	≥ 350 cd/m²			
11	Viewing Angle	178° horizontal / 178° vertical			
12	Response time	≤ 8 ms			
13	Touch Technology	(Please specify)			
14	Touch points	20 or higher			
15	Touch accuracy	± 1 mm			
16	Touch Response Time	≤ 8 ms			
17	Touch Input Methods	Finger, stylus, Other (please specify)			
18	Calibration	Calibration-free			
19	Surface protection	4 mm anti-glare tempered glass			
20	Android OS	Android 9.0 or higher			
21	Android Processor	Quad-core Cortex-A55 @1.5 GHz or better			
22	Android RAM	4GB			
23	Android Storage	64GB			
24	OPS PC Module	Intel i5 12th Generation or better			
25	OPS OS	Windows 11 Professional 64-bit with Genuine License			
26	OPS Storge	128 GB SSD			
		1Tb Hard disk			
27	OPS RAM	16 GB			
28	Connectivity	3 X HDMI (2.0 or higher) IN, HDMI OUT,			

		1 X USB Type-C and 3 x USB 3.0, Audio In/Out, Mic In, LAN (RJ-45), Wi-Fi Built-in () Bluetooth 5.0 Integrated Gigabit Ethernet			
29	Audio	Built-in speakers (minimum 10W)			
30	Accessories	Remote Control 2 x Stylus Wireless Keyboard Wireless Mouse Wall mount bracket			
31	Power	100-240V AC, 50/60Hz			
32	UPS	1kVA UPS with 1-year warranty			
33	Warranty	3 Year Comprehensive (Parts, labour, on-site)			
34	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
35	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof 8years'experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			'
36	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

Notes: Bids must be called with mounting brackets and other necessary accessories and installation charges.

14. Computer Monitor – CODE: CM02

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Display Size	24"			
6	Display Type	IPS LCD and LED Backlit			
7	Contrast Ratio	1,000:1 or better			
8	Native resolution	1920 x 1080 (Full-HD)			
9	Aspect Ratio	16:9			
10	Brightness	≥ 250 cd/m²			
11	Viewing Angle	178° horizontal / 178° vertical			
12	Response time	≤ 5 ms			
13	Refresh rate	75Hz or higher			
14	Colour support	16.7 million colours or better			
15	Low-blue light	Yes			
16	Connectivity	1 x HDMI 1.4, 1 x VGA or DP, or USB-C			
17	Stand Adjustments	Tilt: -5° to +25°, height (optional)			
18	Power	100-240V AC, 50/60Hz			
19	Warranty	3 Year Comprehensive (Parts, labour, backup, on-site)			
20	Brochure	The Product Brochure must be attached and same must be available on the Internet for reference.			
21	ProductExperience	Productbrandmushbeaninternationallyrecognizedbrand.			
		Biddershouldhaveminimumof 8years'experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			
22	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

15. Line-interactive UPS 650VA – CODE: UPS650

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify)			
2	Model	(Please specify) the exact model's name			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Capacity	650VA			
6	Type	Line-interactive			
7	Power Factor	0.55 or higher			
8	Input Voltage	140-300V AC			
9	Input Frequency	50/60 Hz			
10	Phase	Single + GND			
11	Output Voltage	230V AC +/-10%			
12	Battery Mode	230V AC +/-10%			
13	Output Frequence	50Hz (Battery Mode)			
14	Waveform	Simulated Sine Wave (Battery mode) Pure Sine Wave (Grid power mode)			
15	Output Connectors	2 x IEC 15/16 and/or 2 x Type G			
16	Transfer Time	≤ 6ms			
17	Battery Type	Sealed Lead Acid			
18	Battery	12V/7Ah x 1			
19	Backup time	7-20 minutes (Depending on load)			
20	Recharge Time	7 hours to 90%			
21	Protection	Over voltage&Under voltage, Short Circuit protection, Surge Protection			
22	Indicators	Audible alarm & LED/LCD indicators			
23	Warranty	02Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup) & 01 Year for Battery			
24	ProductExperience	Biddershouldhaveminimumof05years'experienceinselling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturer should have minimum of 10 years' experience in manufacturing of the same Brand (Attach proof)			
25	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

16. Line-Interactive UPS 1kVA – 1.2kVA – CODE: UPS1000

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify)			
2	Model	(Please specify) the exact model's name			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Capacity	1000-1200VA			
6	Type	Line-interactive			
7	Power Factor	0.6 or higher			
8	Input Voltage	140-300V AC			
9	Input Frequency	50/60 Hz			
10	Phase	Single + GND			
11	Output Voltage	230V AC +/-12%			
12	Battery Mode	230V AC +/- 10%			
13	Output Frequence	50Hz (Battery Mode)			
14	Waveform	Simulated Sine Wave (Battery mode) Pure Sine Wave (Grid power mode)			
15	Output Connectors	2 x IEC 15/16 and/or 2 x Type G			
16	Transfer Time	≤ 5ms			
17	Battery Type	Sealed Lead Acid			
18	Battery	12V/8.2 Ah x 2			
19	Backup time	8-30 minutes (Depending on load)			
20	Recharge Time	2-4 hours to 90%			
21	Protection	Over voltage&Under voltage, Short Circuit protection, Surge Protection Automatic Voltage Regulation			
22	Indicators	Audible alarm & LED/LCD indicators			
23	Warranty	02Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup) & 01 Year for Battery			
24	ProductExperience	Bidder should have minimum of 05 years' experience in selling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			
25	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			

17. Online UPS 3kVA – CODE: UPS3000

	Item Specification		Conformity		
	Description	**Requirement**	**Yes**	**No**	**If "No" Supplier's response**
1	Make	(Please specify) Should be an internationally reputed brand			
2	Model	(Please specify) the exact model's name of the proposed system			
3	Country of Origin	(Please specify)			
4	Country of Manufacture	(Please specify)			
5	Capacity	3000 VA			
6	Type	Online			
7	Power Factor	0.7 or higher			
8	Input Voltage	175-280V AC			
9	Input Frequency	50/60 Hz			
10	Phase	Single + GND			
11	Output Voltage	230V AC +/-12%			
12	Battery Mode	230V AC +/- 10%			
	Output Frequence	50Hz (Battery Mode)			
13	Overload capability	105-125% for 1-10 minuets 125-150% for seconds			
14	Waveform	- Sine Wave (for sensitive equipment in Battery mode) OR - Simulated Sine Wave (Battery mode) (Use applicable depending on equipment) Pure Sine Wave (Grid power mode)			
15	Output Connectors	2 x IEC 15/16 and/or 2 x Type G			
16	Transfer Time	≤ 5ms			
17	Battery Type	Sealed Lead Acid			
18	Battery	12V/9 Ah x 6			
19	Backup time	10-30 minutes (Depending on load)			
20	Recharge Time	2-4 hours to 90%			
21	Protection	Over voltage, Under voltage, Short Circuit protection, Surge Protection Automatic Voltage Regulation			
22	Indicators	Audible alarm & LED/LCD indicators			
23	Warranty	02Yearscomprehensivewarranty(Labour,Parts,OnsiteBackup) & 01 Year for Battery			

24	ProductExperience	Bidder should have minimum of 05 years' experience in selling the quoted Similar Products in Sri Lanka (Attach proof)			
		Manufacturer Authorization letter (Attach)			
		Manufacturershouldhaveminimumof10years'experience in manufacturing of the same Brand (Attach proof)			
25	Other	Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period)			