# 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.*

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| --- | --- | --- | --- |
| **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 and should to be operational for longer durations. |

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

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| **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 | Micro Tower |  |  |  |
| **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** | Internal Storage | 512GB NVMe M.2 SSD for Operating System |  |  |  |
| 1TB SATA 7200rpm Hard disk |  |  |  |
| **11** | Optical Drive | DVD-RW SATA drive |  |  |  |
| **12** | Sound | Integrated Sound |  |  |  |
| **13** | Video Controller | Integrated graphics |  |  |  |
| **14** | Monitor | 24’ LED monitor with 1920x1080 resolution and 75Hz refresh rate (Same brand) |  |  |  |
| **14** | Network interface | Integrated Gigabit Ethernet |  |  |  |
| Integrated Wireless LAN (Wi-Fi 5) |  |  |  |
| **15** | I/O Ports | Minimum 4 External USB 3.0 ports |  |  |  |
| Minimum least 4 rear and 2 front USB ports for desktops |  |  |  |
| Minimum 1 USB-C with transfer rates of 10Gbps |  |  |  |
| 1 x Microphones on front |  |  |  |
| 1 x headphones on front |  |  |  |
| 1 x RJ 45 |  |  |  |
| HDMI |  |  |  |
| **17** | Expansion slots | (Please specify) |  |  |  |
| **18** | Mouse | 2-Button Optical Scroll Mouse (Same brand) |  |  |  |
| **19** | Keyboard | QWERTY keyboard (Same Brand) |  |  |  |
| **20** | Operating System | Genuine Windows 11 Professional 64 bit with recovery cloud image (Manufacture confirmation required by computer serial number) |  |  |  |
| **21** | Driver Software | Should be included hardware Drivers on CD Media |  |  |  |
| **22** | Security | Cable lock, chassis security slot and padlock loop |  |  |  |
| **23** | Warranty | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **24** | UPS | 650VA with 1-year warranty |  |  |  |
| **25** | 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 |  |  |  |
| Manufacturer should have minimum of 10 years’ experience in  manufacturing of the same Brand (Attach proof) |  |  |  |

1. **Desktop computer systems for laboratory applications – CODE: DCLA02**

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| **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 | Micro 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 | 32GB DDR5 4000MT/s or higher upgradable up to 64GB |  |  |  |
| **10** | Internal Storage | 1TB NVMe M.2 SSD for Operating System |  |  |  |
| 1TB SATA 7200rpm Hard disk |  |  |  |
| **11** | Optical Drive | DVD-RW SATA drive |  |  |  |
| **12** | Sound | Integrated Sound |  |  |  |
| **13** | Video Controller | Integrated graphics |  |  |  |
| **14** | Monitor | 24’ LED monitor with 1920x1080 resolution and 75Hz refresh rate (Same brand) |  |  |  |
| **14** | Network interface | Integrated Gigabit Ethernet |  |  |  |
| Integrated Wireless LAN (Wi-Fi 5) |  |  |  |
| **15** | I/O Ports | Minimum 4 External USB 3.0 ports |  |  |  |
| Minimum least 4 rear and 2 front USB ports for desktops |  |  |  |
| Minimum 1 USB-C with transfer rates of 10Gbps |  |  |  |
| 1 x Microphones on front |  |  |  |
| 1 x headphones on front |  |  |  |
| 1 x RJ 45 |  |  |  |
| HDMI |  |  |  |
| **17** | Expansion slots | (Please specify) |  |  |  |
| **18** | Mouse | 2-Button Optical Scroll Mouse (Same brand) |  |  |  |
| **19** | Keyboard | QWERTY keyboard (Same Brand) |  |  |  |
| **20** | Operating System | Genuine Windows 11 Professional 64 bit with recovery cloud image (Manufacture confirmation required by computer serial number) |  |  |  |
| **21** | Driver Software | Should be included hardware Drivers on CD Media |  |  |  |
| **22** | Security | Cable lock, chassis security slot and padlock loop |  |  |  |
| **23** | Warranty | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **24** | UPS | 650VA with 1-year warranty |  |  |  |
| **25** | 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 |  |  |  |
| Manufacturer should have minimum of 10 years’ experience in  manufacturing of the same Brand (Attach proof) |  |  |  |

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

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| **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** | Internal Storage | 1TB NVMe M.2 SSD for Operating System |  |  |  |
| 2 x 1TB SATA 7200rpm Hard disk |  |  |  |
| **12** | Optical Drive | DVD-RW SATA drive |  |  |  |
| **13** | Sound | Integrated Sound |  |  |  |
| **14** | Video Controller | Integrated graphics |  |  |  |
| **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** | Network interface | Integrated Gigabit Ethernet |  |  |  |
| Integrated Wireless LAN (Wi-Fi 5) |  |  |  |
| **17** | I/O Ports | Minimum 4 External USB 3.0 ports |  |  |  |
| Minimum least 4 rear and 2 front USB ports for desktops |  |  |  |
| Minimum 1 USB-C with transfer rates of 10Gbps |  |  |  |
| 1 x Microphones on front |  |  |  |
| 1 x headphones on front |  |  |  |
| 1 x RJ 45 |  |  |  |
| HDMI |  |  |  |
| **18** | Expansion slots | (Please specify) |  |  |  |
| **19** | Mouse | 2-Button Optical Scroll Mouse (Same brand) |  |  |  |
| **20** | Keyboard | QWERTY keyboard (Same Brand) |  |  |  |
| **21** | Operating System | Genuine Windows 11 Professional 64 bit with recovery cloud image (Manufacture confirmation required by computer serial number) |  |  |  |
| **22** | Driver Software | Should be included hardware Drivers on CD Media |  |  |  |
| **23** | Security | Cable lock, chassis security slot and padlock loop |  |  |  |
| **24** | Warranty | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **25** | UPS | 1KVA with 1-year warranty |  |  |  |
| **26** | 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 |  |  |  |
| Manufacturer should have minimum of 10 years’ experience in  manufacturing of the same Brand (Attach proof) |  |  |  |

1. **Laptop computer systems for general use – CODE: LCOW04**

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| **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** | Internal Storage | 512GB NVMe M.2 SSD for Operating System |  |  |  |
| 1TB SATA 7200rpm Hard disk (Optional) |  |  |  |
| **9** | Audio | Integrated HD Audio |  |  |  |
| **10** | Screen | 15.6" diagonal FHD (1920 x 1080) |  |  |  |
| **11** | Keyboard | US Windows keyboard |  |  |  |
| **12** | Camera | 720p HD camera or better |  |  |  |
| **13** | Network interface | Integrated Gigabit Ethernet |  |  |  |
| Integrated Wireless LAN (Wi-Fi 5 or better) |  |  |  |
| Bluetooth V5.0 or higher |  |  |  |
| **14** | I/O Ports | Minimum 1 x USB-C port |  |  |  |
| USB-C 65W PD port (Optional) |  |  |  |
| Headphone/microphone combo jack |  |  |  |
| 2 x USB 3 ports |  |  |  |
| 1 x RJ 45 |  |  |  |
| HDMI |  |  |  |
| Other: Please specify |  |  |  |
| *IF only USB-C a multiport Docking station must be included* |  |  |  |
| **15** | Expansion slots | (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** | Operating System | Genuine Windows 11 Professional 64 bit with recovery cloud image (Manufacture confirmation required by computer serial number) |  |  |  |
| **20** | Driver Software | Included Hardware Drivers on CD Media or hard disk recovery partition |  |  |  |
| **21** | Security | Cable lock |  |  |  |
| **22** | Warranty | 03 Years comprehensive manufacturer warranty (Verifiable Online) |  |  |  |
| **23** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 10 years’ experience in selling the quoted Similar Products in Sri Lanka |  |  |  |
| Manufacturer should have minimum of 15 years’ experience in  manufacturing of the same Brand (Attach proof) |  |  |  |

1. **Laser Printer (Low usage) – CODE: LPL01**

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| **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** | Copy Speed | 21 pages per minute (ppm) for A4 size or higher (If multifunction) |  |  |  |
| **12** | Copy Resolution | 600 x 600 dpi or higher (If multifunction) |  |  |  |
| **13** | Copy Reduce/Enlargement | 25% - 400% (If multifunction) |  |  |  |
| **14** | Scan Resolution | Platen Glass: 600 x 600 dpi or higher (If multifunction) |  |  |  |
| Feeder: 300 x 300 dpi or higher (If multifunction) |  |  |  |
| **15** | Monthly Duty Cycle | 10,000 pages or higher |  |  |  |
| **16** | Recommended Monthly Volume | 500 – 1000 pages |  |  |  |
| **17** | Paper Input Capacity | 250 Sheets or higher |  |  |  |
| **18** | Multipurpose Tray Capacity | 50 Sheets or higher |  |  |  |
| **19** | Paper out Capacity | 150 Sheets or higher |  |  |  |
| **20** | Supported Media Types | Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond |  |  |  |
| **21** | Supported Paper Sizes | A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10) |  |  |  |
| **22** | Automatic Document Feeder (ADF) | 35-sheet capacity for scanning and copying or higher (Optional) |  |  |  |
| **23** | Processor Speed | 600MHz or higher |  |  |  |
| **24** | Memory | 256MB or higher |  |  |  |
| **25** | Connectivity | Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher |  |  |  |
| **26** | Mobile Printing | Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional) |  |  |  |
| **27** | Standard Page Description Languages | UFR II, PLC6, PLC 5, PostScript |  |  |  |
| **28** | Display | 2-Line LCD Display or better |  |  |  |
| **29** | Power | 220-240V AC, 50/60Hz |  |  |  |
| **30** | Operating System Support | Windows 10 or higher, macOS 10.10 or higher, Linux |  |  |  |
| **31** | Security Features | Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering |  |  |  |
| **32** | Cost and Yield (at 5% coverage) | High yield toner price (Rs.) |  | |  |
| Toner yield |  | |  |
| Drum price (Rs.) |  | |  |
| Drum yield |  | |  |
| **33** | Warranty | 01 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **34** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **35** | 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) |  |  |  |
| **36** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **Laser Printer (Moderate usage) – CODE: LPM02**

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| **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** | Copy Speed | 21 pages per minute (ppm) for A4 size or higher (If multifunction) |  |  |  |
| **12** | Copy Resolution | 600 x 600 dpi or higher (If multifunction) |  |  |  |
| **13** | Copy Reduce/Enlargement | 25% - 400% (If multifunction) |  |  |  |
| **14** | Scan Resolution | Platen Glass: 600 x 600 dpi or higher (If multifunction) |  |  |  |
| Feeder: 300 x 300 dpi or higher (If multifunction) |  |  |  |
| **15** | Monthly Duty Cycle | 25,000 pages or higher |  |  |  |
| **16** | Recommended Monthly Volume | 1000 – 2500 pages |  |  |  |
| **17** | Paper Input Capacity | 250 Sheets or higher |  |  |  |
| **18** | Multipurpose Tray Capacity | 50 Sheets or higher |  |  |  |
| **19** | Paper out Capacity | 150 Sheets or higher |  |  |  |
| **20** | Supported Media Types | Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond |  |  |  |
| **21** | Supported Paper Sizes | A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10) |  |  |  |
| **22** | Automatic Document Feeder (ADF) | 35-sheet capacity for scanning and copying or higher (Optional) |  |  |  |
| **23** | Processor Speed | 600MHz or higher |  |  |  |
| **24** | Memory | 256MB or higher |  |  |  |
| **25** | Connectivity | Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher |  |  |  |
| **26** | Mobile Printing | Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional) |  |  |  |
| **27** | Standard Page Description Languages | UFR II, PLC6, PLC 5, PostScript |  |  |  |
| **28** | Display | 2-Line LCD Display or better |  |  |  |
| **29** | Power | 220-240V AC, 50/60Hz |  |  |  |
| **30** | Operating System Support | Windows 10 or higher, macOS 10.10 or higher, Linux |  |  |  |
| **31** | Security Features | Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering |  |  |  |
| **32** | Cost and Yield (at 5% coverage) | High yield toner price (Rs.) |  | |  |
| Toner yield |  | |  |
| Drum price (Rs.) |  | |  |
| Drum yield |  | |  |
| **33** | Warranty | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **34** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **35** | 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) |  |  |  |
| **36** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **Laser Printer (High Usage) – CODE: LPH03**

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| **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** | Copy Speed | 21 pages per minute (ppm) for A4 size or higher (If multifunction) |  |  |  |
| **12** | Copy Resolution | 600 x 600 dpi or higher (If multifunction) |  |  |  |
| **13** | Copy Reduce/Enlargement | 25% - 400% (If multifunction) |  |  |  |
| **14** | Scan Resolution | Platen Glass: 600 x 600 dpi or higher (If multifunction) |  |  |  |
| Feeder: 300 x 300 dpi or higher (If multifunction) |  |  |  |
| **15** | Monthly Duty Cycle | 100,000 pages or higher |  |  |  |
| **16** | Recommended Monthly Volume | 5000+ pages |  |  |  |
| **17** | Paper Input Capacity | 500 Sheets or higher |  |  |  |
| **18** | Multipurpose Tray Capacity | 50 Sheets or higher |  |  |  |
| **19** | Paper out Capacity | 150 Sheets or higher |  |  |  |
| **20** | Supported Media Types | Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond |  |  |  |
| **21** | Supported Paper Sizes | A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10) |  |  |  |
| **22** | Automatic Document Feeder (ADF) | 35-sheet capacity for scanning and copying or higher (Optional) |  |  |  |
| **23** | Processor Speed | 600MHz or higher |  |  |  |
| **24** | Memory | 256MB or higher |  |  |  |
| **25** | Connectivity | Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher |  |  |  |
| **26** | Mobile Printing | Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional) |  |  |  |
| **27** | Standard Page Description Languages | UFR II, PLC6, PLC 5, PostScript |  |  |  |
| **28** | Display | 2-Line LCD Display or better |  |  |  |
| **29** | Power | 220-240V AC, 50/60Hz |  |  |  |
| **30** | Operating System Support | Windows 10 or higher, macOS 10.10 or higher, Linux |  |  |  |
| **31** | Security Features | Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering |  |  |  |
| **32** | Cost and Yield (at 5% coverage) | High yield toner price (Rs.) |  | |  |
| Toner yield |  | |  |
| Drum price (Rs.) |  | |  |
| Drum yield |  | |  |
| **33** | Warranty | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **34** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **35** | 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) |  |  |  |
| **36** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **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 or 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 | 01 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) |  |  |  |

1. **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, IPsec, 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 | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **33** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **34** | 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) |  |  |  |
| **35** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **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 | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **37** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **38** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 10 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) |  |  |  |
| **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*

1. **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 | ≥ 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 (±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** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 05 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) |  |  |  |
| **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.*

1. **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 | ≤ 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 (±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** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 10 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) |  |  |  |
| **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.*

1. **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** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 8 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) |  |  |  |
| **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.*

1. **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** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 8 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) |  |  |  |
| **22** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **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 | 02 Years comprehensive warranty (Labour, Parts, Onsite Backup) & 01 Year for Battery |  |  |  |
| **24** | Product Experience | Bidder should have minimum of 05 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) |  |  |  |
| **25** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **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 | 02 Years comprehensive warranty (Labour, Parts, Onsite Backup) & 01 Year for Battery |  |  |  |
| **24** | Product Experience | Bidder should have minimum of 05 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) |  |  |  |
| **25** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **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 | 02 Years comprehensive warranty (Labour, Parts, Onsite Backup) & 01 Year for Battery |  |  |  |
| **24** | Product Experience | Bidder should have minimum of 05 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) |  |  |  |
| **25** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

**\*\*\* DO NOT QUOTE THE CODES BEYOND THIS \*\*\***

1. **Multifunction Colour Laser Printer (Low usage) – ~~CODE: LPLC05~~**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 Laser Printer |  |  |  |
| **6** | Functionality | 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 | 20 pages per minute (ppm) for A4 size or higher (Mono/Colour) |  |  |  |
| **10** | First Print out | 15 seconds or less |  |  |  |
| **11** | Copy Speed | 21 pages per minute (ppm) for A4 size or higher |  |  |  |
| **12** | Copy Resolution | 600 x 600 dpi or higher |  |  |  |
| **13** | Copy Reduce/Enlargement | 25% - 400% |  |  |  |
| **14** | Scan Resolution | Platen Glass: 600 x 600 dpi or higher |  |  |  |
| Feeder: 300 x 300 dpi or higher |  |  |  |
| **15** | Monthly Duty Cycle | 10,000 pages or higher |  |  |  |
| **16** | Recommended Monthly Volume | 500 – 1000 pages |  |  |  |
| **17** | Paper Input Capacity | 250 Sheets or higher |  |  |  |
| **18** | Multipurpose Tray Capacity | 50 Sheets or higher |  |  |  |
| **19** | Paper out Capacity | 100 Sheets or higher |  |  |  |
| **20** | Supported Media Types | Plain, Thick, Thin, Recycled, Labels, Envelopes, Cardstock, Bond |  |  |  |
| **21** | Supported Paper Sizes | A4, A5, A6, B5 (JIS), Letter, Legal, Executive, Folio, Envelopes (DL, C5, COM-10) |  |  |  |
| **22** | Automatic Document Feeder (ADF) | 35-sheet capacity for scanning and copying or higher (Optional) |  |  |  |
| **23** | Processor Speed | 600MHz or higher |  |  |  |
| **24** | Memory | 256MB or higher |  |  |  |
| **25** | Connectivity | Built-in Wi-Fi (802.11b/g/n or higher), Ethernet (10/100Base-TX or higher), USB 2.0 or higher |  |  |  |
| **26** | Mobile Printing | Compatible with Apple AirPrint™, Mopria™, Wi-Fi Direct, and proprietary mobile printing apps. (All Optional) |  |  |  |
| **27** | Standard Page Description Languages | UFR II, PLC6, PLC 5, PostScript |  |  |  |
| **28** | Display | 2-Line LCD Display or better |  |  |  |
| **29** | Power | 220-240V AC, 50/60Hz |  |  |  |
| **30** | Operating System Support | Windows 10 or higher, macOS 10.10 or higher, Linux |  |  |  |
| **31** | Security Features | Password-protected network access, Secure Print, SNMPv3, IPsec, MAC/IP filtering |  |  |  |
| **32** | Cost and Yield (at 5% coverage) | High yield monochrome toner price (Rs.) |  | |  |
| Colour toner (CYM) price (Rs.) |  | |  |
| Monochrome toner yield |  | |  |
| Colour toner yield (CYM) |  | |  |
| Drum price (Rs.) |  | |  |
| Drum yield |  | |  |
| **33** | Warranty | 03 Years comprehensive warranty (Labour, Parts, Onsite Backup) |  |  |  |
| **34** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **35** | 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) |  |  |  |
| **36** | Other | Must include a sticker with (Suppler name, Contact Numbers, Date of Commissioning of Hardware & Warranty Period) |  |  |  |

1. **Multimedia Projector (Long throw for Auditoriums) – ~~CODE: MPLT02~~**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 | 3LCD Laser light source |  |  |  |
| **6** | Type | Long throw |  |  |  |
| **7** | Throw Ratio | ≥ 1.3:1 |  |  |  |
| **8** | Native resolution | 1920 x 1080 (Full HD) or 3840 x 2160 (4K) |  |  |  |
| **9** | Brightness | ≥ 6,000 ANSI Lumens |  |  |  |
| **10** | Contrast Ratio | ≥ 2,500,000:1 |  |  |  |
| **11** | Screen Size | 50 – 300 inches or better |  |  |  |
| **12** | Aspect Ratio | 16:9 or 16:10 native (UXGA or WUXGA) |  |  |  |
| **13** | Keystone Correction | Vertical and Horizontal Keystone Correction (±30° or more) |  |  |  |
| **14** | Lens Shift | Vertical and Horizontal Lens Shift (Optional) |  |  |  |
| **15** | Zoom Capability | Optical Zoom ≥ 1.5x |  |  |  |
| **16** | Laser lamp life | ≥ 20,000 hours (Normal Mode);  ≥ 30,000 hours (Eco Mode) |  |  |  |
| **17** | Connectivity | 2 x 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 3 Years/9000 hours (whichever comes first);  20,000 hours Laser lamp. |  |  |  |
| **26** | Brochure | The Product Brochure must be attached and same must be available on the Internet for reference. |  |  |  |
| **27** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 05 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) |  |  |  |
| **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.*

1. **High Performance Laptop computer systems for general use – ~~CODE: LCHP05~~**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 i7 H/HX series processor  OR  Intel Ultra 7 or Ultra 9 185H processor |  |  |  |
| **7** | Memory | 32GB DDR5 5600 SODIMM |  |  |  |
| **8** | Graphics | NVIDIA RTX 3000 or GeForce RTX 4070 8GB |  |  |  |
|  | Internal Storage | ITB NVMe M.2 SSD |  |  |  |
| **9** | Audio | Integrated HD Audio |  |  |  |
| **10** | Screen | 15.6" diagonal FHD (1920 x 1080) or better |  |  |  |
| Touchscreen |  |  |  |
| **11** | Keyboard | US Windows keyboard |  |  |  |
| **12** | Camera | 720p HD camera or better |  |  |  |
| **13** | Network interface | Integrated Gigabit Ethernet OR adopter |  |  |  |
| Integrated Wireless LAN (Wi-Fi 5 or better) |  |  |  |
| Bluetooth V5.0 or higher |  |  |  |
| **14** | I/O Ports | Minimum 1 x USB-C port |  |  |  |
| 100W PD port (Optional) |  |  |  |
| Headphone/microphone combo jack |  |  |  |
| 2 x USB 3 ports |  |  |  |
| 1 x RJ 45 |  |  |  |
| HDMI |  |  |  |
| Other: Please specify |  |  |  |
| *IF only USB-C a multiport Docking station must be included* |  |  |  |
| **15** | Expansion slots | (Please specify) |  |  |  |
| **16** | Battery | 6-cell 86Wh Li-ion or better |  |  |  |
| **17** | Power Adapter | (Please specify) |  |  |  |
| **18** | Carrying Case | Should be from the same brand |  |  |  |
| **19** | Operating System | Genuine Windows 11 Professional 64 bit with recovery cloud image (Manufacture confirmation required by computer serial number) |  |  |  |
| **20** | Driver Software | Included Hardware Drivers on CD Media or hard disk recovery partition |  |  |  |
| **21** | Security | Cable lock |  |  |  |
| **22** | Warranty | 03 Years comprehensive manufacturer warranty (Verifiable Online) |  |  |  |
| **23** | Product Experience | Product brand mush be an internationally recognized brand. |  |  |  |
| Bidder should have minimum of 10 years’ experience in selling the quoted Similar Products in Sri Lanka |  |  |  |
| Manufacturer should have minimum of 15 years’ experience in  manufacturing of the same Brand (Attach proof) |  |  |  |