

Annex I

Minimum Technical Specifications for Branded Desktop Computer

Minimum Specification		Confirm to the Specification		Bidders Response
		Yes	No	
Country of Origin				
Processor	10 th Generation Intel Core i7-10700 Processor (2.9 GHz base frequency, up to 4.8 GHz, 16 MB L3 cache, 8 cores			
Chipset	Intel® Q470 Chipset			
Memory	16GB (2x8GB) DDR4-3200 SDRAM Transfer rates up to 2933 MT/s			
Monitor	Same Brand 23" LED 16:9 (1920 x 1080) at 60Hz HDMI/ Display Port			
Form factor	Micro tower			
Hard Drive	Minimum 1 TB SATA hard drive (7200RPM)			
Solid State Drives (SSD)	128 GB Intel Optane Memory H10 with Solid State Storage			
Optical Drive	DVD+/-RW			
Communications	LAN :10/100/1000 Gigabit Ethernet			
Wireless	Intel Wi-Fi 6 AX201 802.11ax (2x2) with Bluetooth M.2 Combo Card vPro			
Graphic adapter (Discrete)	AMD Radeon R7 430 Graphics (2 GB GDDR5 dedicated)			
Ports, Slots & Chassis	10 External 6 USB 3.1 (2 front/4 rear) and 4 2.0 (2 front/2 rear) 1 front with Power Share 1 x RJ-45 2 x DisplayPort 1.2 1 x HDMI 1.4 1 x Universal Audio Jack 1 x Line-out			
Power	550 W internal power adapter, up to 92% efficiency			

Energy Efficiency Compliance	ENERGY STAR			
keyboard	Standard USB keyboard Same brand			
Mouse	Same brand USB laser Mouse			
Security	Lock slot			
OS	Windows 11 Pro (64 bit preloaded)			
Device Drivers	Compatible Drivers for all devices should be supplied			
Product Experiences	Vender should have minimum of 5 years in selling the Quoted brand in Sri Lanka (Pls attach the proof doc)			
Warranty	3 Years comprehensive on-site warranty inclusive of Parts and Labour for ALL system components and peripheral devices supplied (note: a copy of the warranty terms and conditions of the Bidder must be submitted with the Bid document)			

Annex II

General Specification for Mid-Range office Computers

* Bidders are required to mark (✓) if the requirement complies, otherwise mark (x).

No.	Description	Requirement	*Supplier's Response		Remarks
			Yes	No	
	Brand	<i>Please specify</i>			
	Model	<i>Please specify</i>			
	Country of Origin	<i>Please specify</i>			
	Detailed Specification	<i>Must be attached</i>			
1.	Processor				
1.1	Processor Type	<ul style="list-style-type: none"> • Intel Core i5 • Cores/Threads: 6/12 (or higher) • InstructionSet: 64-bit • Generation: 10 (or latest) 			
1.2	External Rated Clock Speed	<ul style="list-style-type: none"> • Base Frequency: 2.5 GHz (or faster) • Turbo Frequency: 3.6 GHz (or faster) 			
1.3	Internal Cache Memory	Cash Memory – 8 MB (or larger)			
2.	System Board				
2.1	Type and Architecture	Intel compatible chipset based system board <i>(note: Proposed chipset must be certified by the processor manufacturer as compatible with the processor)</i>			
2.2	Main Memory	<ul style="list-style-type: none"> • Capacity: 8 GB (or higher) • Speed: DDR4-2666 MHz (or faster) <i>(note: Memory must be expandable up to 16 GB or higher)</i>			
2.3	Graphic Adapter and Interface	<ul style="list-style-type: none"> • Card: Integrated hardware graphic accelerator • Memory: 512 MB graphic memory (or higher) • Video Ports: Display port and HDMI or VGA Port with Cables 			
2.4	Network Interface	10/100/1000 Mbps full-duplex Ethernet Port with RJ45 connector			
2.5	IO Ports	<ul style="list-style-type: none"> • PCI Ports: At least 2 unused PCI Express expansion ports confirming to PCI Express Ver 3.0 (PCIe 3.0) or later specifications 			

No.	Description	Requirement	*Supplier's Response		Remarks
			Yes	No	
		<ul style="list-style-type: none"> At least 6 ports, 2 of which confirming to USB Ver. 3.0 specification (or higher) SATA Ports: At least 2 SATA ports 			
3.	Storage				
3.1	Hard Disk Drive	<ul style="list-style-type: none"> Capacity: 1 TB (or higher) Speed: 7,200 rpm (or faster) Interface: SATA (or better) 			
3.2	Optical Storage	16× DVD+RW drive with SATA interface			
4.	Multimedia				
4.1	Audio Interface	<ul style="list-style-type: none"> High-definition audio Microphone-in Line-out connections 			
5.	Display Device				
5.1	Monitor	<ul style="list-style-type: none"> Size: 17" LCD Resolution: 1,600×900 (or higher) Features: LED Backlight, Anti-Glare Video Input: Display port and HDMI or VGA Port with Cables (<i>must be compatible with video output of motherboard</i>) 			
6.	Power Supply Unit				
6.1	Power	<ul style="list-style-type: none"> 110/230 V nominal input (180V to 250V) 50/60 Hz (47Hz – 63Hz) 3-pin square AC plug 			
6.2	Rated Capacity	At least 240W (or higher) rated for continuous operation with forced circulation cooling system.			
7.	Chassis				
7.1	Form Factor	ATX, slim tower form factor			
7.2	Security Features	<ul style="list-style-type: none"> Manual lockable side openings Security lock slot 			
8.	Standard Peripheral Devices				
8.1	Keyboard	Full-size keyboard with Numeric keypad			
8.2	Mouse	USB Optical mouse			
9.	Software Requirements and Compatibility				

No.	Description	Requirement	*Supplier's Response		Remarks
			Yes	No	
9.1	Operating System	The system should be compatible with 64-bit Windows 11 and Ubuntu 18 (or latest)			
9.2	Drivers for System and Peripherals	Manufacturers device drivers for all system components supporting the following operating systems: <ul style="list-style-type: none"> • 64-bit Windows 11 • 64-bit Ubuntu 18 /Linux 			
10.	Standard Compliance and Warranty				
10.1	Standard Compliance	The system must be manufactured by an ISO 9000 certified manufacturer. <i>(note: Copy of ISO certification and original Manufacture Authorization Letter must be attached)</i>			
10.2	Warranty	3-year comprehensive warranty inclusive of Parts and Labour for ALL system components and peripheral devices supplied <i>(note: Copy of the warranty terms and conditions of the Bidder must be submitted with the Bid document)</i>			

(Please use separate sheets for optional offers.)

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Annex III

General Specification for Standard Office / Laboratory Computers

* Bidders are required to mark (✓) if the requirement complies, otherwise mark (×).

No.	Description	Requirement	*Supplier's Response		Remarks
			Yes	No	
	Brand	<i>Please specify</i>			
	Model	<i>Please specify</i>			
	Country of Origin	<i>Please specify</i>			
	Detailed Specification	Must be attached			
1.	Processor				
1.1	Processor Type	<ul style="list-style-type: none"> • Intel Core i7 • Cores/Threads: 6/12 • Instruction Set: 64-bit • Generation: 10 or latest 			
1.2	External Rated Clock Speed	Base Clock Rate 2.5 GHz (or faster) and Turbo clock rate 3.2 GHz or higher			
1.3	Internal Cache Memory	Level 3 Cash – 8 MB (or larger)			
2.	System Board				
2.1	Type and Architecture	Intel compatible chipset based system board <i>(note: Proposed chipset must be certified by the processor manufacturer as compatible with the processor)</i>			
2.2	Main Memory	<ul style="list-style-type: none"> • Capacity: 4 GB (or higher) • Speed: DDR4-2666 MHz (or faster) <i>(note: Memory must be expandable up to 16 GB or higher)</i>			
2.3	Graphic Adapter and Interface	<ul style="list-style-type: none"> • Card: Integrated hardware graphic accelerator • Memory: 1 GB graphic memory (or higher) • Video Ports: VGA, HDMI 			
2.4	Network Interface	10/100/1000 Mbps full-duplex Ethernet Port with RJ45 connector			
2.5	IO Ports	<ul style="list-style-type: none"> • PCI Ports: At least 1 unused PCI Express expansion ports confirming to PCI Express Ver 3.0 or later specifications • At least 6 ports, 2 of which confirming to USB Ver. 3.0 specification (or higher) • SATA Ports: At least 2 SATA ports 			

No.	Description	Requirement	*Supplier's Response		Remarks
			Yes	No	
3.	Storage				
3.1	Hard Disk Drive	<ul style="list-style-type: none"> • Capacity: 1 TB (or higher) • Speed: 7,200 rpm (or faster) • Interface: SATA (or better) 			
3.2	Optical Storage	16× DVD+RW drive with SATA interface			
4.	Multimedia				
4.1	Audio Interface	<ul style="list-style-type: none"> • High-definition audio • Microphone-in • Line-out connections 			
5.	Display Device				
5.1	Monitor	<ul style="list-style-type: none"> • Size: 17" LED Display • Resolution: 1,920×1080 (or higher) • Features: LED Backlight, Anti-Glare • Video Input: VGA and HDMI (<i>must be compatible with video output of motherboard</i>) 			
6.	Power Supply Unit				
6.1	Power	<ul style="list-style-type: none"> • 110/230 V nominal input (180V to 250V) • 50/60 Hz (47Hz – 63Hz) • 3-pin square AC plug 			
6.2	Rated Capacity	At least 180W (or higher) rated for continuous operation with forced circulation cooling system.			
7.	Chassis				
7.1	Form Factor	ATX, slim tower form factor			
7.2	Security Features	<ul style="list-style-type: none"> • Manual lockable side openings • Security lock slot 			
8.	Standard Peripheral Devices				
8.1	Keyboard	Full-size keyboard with Numeric keypad			
8.2	Mouse	USB Optical mouse			
9.	Software Requirements and Compatibility				
9.1	Operating System	The system should be compatible with 64-bit Windows 10 and Ubuntu 16 (or latest)			
9.2	Drivers for System and Peripherals	Manufacturers device drivers for all system components supporting the following operating systems:			

