ANNEX VII – Technical Specifications

Item No	UNESCO minimum requirements/specifications	Bidder's Compliance Statement YES/NO	Bidder's Specifications (Mandatory - please fill in all details including proposed brand/model)
— The ICTP would like to aquire 230/270 personal computers in accordance with the following specifications, which are to be considered as the minimum accepted values. The bid will be assigned on a price basis. The bidder can offer one or more possible configurations. The shortlisted Firms will be asked to provide the ICTP with a test machine within 10 days from the request, which will be returned after the evaluation process. Point 15 (Optional) are items of interest that could be possibly bought. The price of those items will be evaluated separately from the price of the computer.			
1	**Processor**		
	CPU Intel (or equivalent) i7-8700		
2	**Case and casing system**		
	Mini/middle tower		
	Open-able case/cabinet without the use of screwdrivers, etc.		
	Tamper-proof case/cabinet, with the possibility to lock the case		
3	**Architecture**		
	PCI and PCI express		
4	**Memory**		
	16GB (2 x 8 GB) or better		
	Expandable to 64GB (with free slots to install a total of 64GB) or better		
5	**Hard disk**		
	1TB SATA 7200 rpm or better		
6	**Ports**		
	Headphone / Line out (behind) - required		
	External Microphone / Line in (behind) - required		
	Headphone and microphone (front) - required		

	External VGA Display connector - required		
	External display DVI-D connector - required		
	USB 3.x high speed 2 ports in the **front** panel - or more		
	USB 3.x high speed 2 ports in the **rear** panel - or more		
	Ethernet (RJ45): Gigabit Ethernet with speed 1000mbps, 100 mbps		
7	**Graphycs sub-system**		
	Resolution: 1600x1200 pixels or better		
	16 million colors (at maximum resolution) or better		
	Dual output required: HDMI AND (DP or VGA or DVI)		
8	**Audio card**		
	Integrated on-board		
9	**Mouse**		
	USB Optical mouse(cable)		
10	**Keyboard**		
	USB Keyboard (US English)		
11	**BIOS**		
	password protection required,		
	PXE boot required, wake-up-on Lan required,		
	Configurable ACPI/Power Management settings required		
12	**Operating System(s)**		
	Windows 10 Home 64 bit installed Linux compatible		
13	**Noise Level**		
	Declared A-weighted sound power level L_{WAd} (B) less than or equal to 3.6		
	Declared A-weighted sound pressure Level L_{pAm} (dB) less than or equal to 25		
14	**Warranty** 4 Years on site warranty 8 hours response time 3 days for problem resolution.		

	OPTIONALS – These will not be part of the evaluation but could be part of the PO		
15	Additional memory which totals to 32 GB		
	Hard disk of 500GB SSD instead of 1TB		

Power Supply Requirement: Power supply and power plug suitable for Italy

Documentation, including installation and operating manuals shall be in English or Italian

Products to comply with EC or International quality and Safety standards: The computer(s) must be compliant with the European norms on security and have an Energy Star (or equivalent) certificate – please provide documentation regarding the certifications carried by the computer(s) proposed

Name of nearest local after-sales agent (if applicable):

[Bidder to specify name & address]

Name/Signature of Bidder:

To be returned to UNESCO as part of the Bid Submission.