

ANNEX A – Technical Specifications

UNHCR UKRAINE Invitation to UKRKI/ITB/2022-022 for establishment of a frame a agreement for the provision of ICT equipment for UNHCR projects in Ukraine

Items Quantities and Specifications:

No#		Description	UoM	Estimated Total Quantities
1	Laptop Package:		Each	2,000
	Processor (CPU)	One, the number of cores is not less than 4, cache memory is not less than 4MB. The maximum frequency (Turbo Speed) is not less than 3,2 GHz.		
	RAM	No less than 8 GB, type - not less than DDR4-2400. A minimum of 16 GB of RAM can be installed in the notebook.		
	Hard disk drive	• HDD type, volume – not less than 500 GB, or SSD type, volume – not less than 256 GB.		
	Built-in external I/O ports	 At least 1 LAN (RJ-45) port; At least 3 USB (at least 2xUSB 3.0, at least 1xUSB Type C), Display Port or HDMI. 		
	Built-in network adapter	 RJ-45 type, LAN not less than 100/1000 Mbit/s. Wi-Fi 802.11ac 		
	Built-in webcam	Build-in camera, not less than HD 720p.		
	Built-in audio adapter	• Not less than 1 internal speakers, 3,5" Audio Port.		
		 Built-in chassis with the following features: Screen diagonal – not less than 15,6"; Type of sensor – IPS or VA, LED backlight; Resolution - 1920x1080 or higher; Number of colors not less than 16.5 million; The screen must have an anti-reflective coating; Ratio of parties: No more than 16:9. 		
	Security	 The presence of an integrated Trusted Platform Module (TPM) is not less than 2.0. Integrated finger print scanner; Personal computer security lock included: Type – with a key; The cable is steel, not less than 1,2 m. 		
	Keyboard	• Latin-Cyrillic, with letters of Latin, Russian and Ukrainian alphabet (stickers are not allowed).		
	Related equipment	 Manipulator type "mouse": Optical technology; number of buttons – at least 3 (three): left, right, button wheel for scrolling; The interface type is USB. Personal computer bag (with power supply and mouse type). 		
	Documentary support	Declaration of conformity (certificate) valid as of the date of the offer's disclosure.		

Compliance with	Energy Star, RoHS		
certificates and			
standards		,	
Compatibility	Presence of drivers for "operating system for personal computer"	,	
Pre-installed softw			
	computer" and "office software package for personal computer" without activating it		
Operating system	 Operating system manufactured by Microsoft Windows 10 Professional, 64-bit, with Ukrainian-language interface and is re-installed at the manufacturer's factory; OEM 		
Office PC Suite	 Microsoft Office Suite with Ukrainian-language interface. Microsoft Office Home and Business 2019, 64-bit, Microsoft Electronic License (ESD). Compatibility with "Personal computer operating System". Activation code in a separate label envelope. 		
Printer:		Each	100
Printer Type	Mono print/copy/scan		
Time Type	Laser or LED printing		
Work life	At least 50 000 pages/month (Maximum load, A4)		
Print/ Copy/	• A4-A5		
Scan format			
Print speed A4	• at least 30 pages/min		
Copy speed A4	• at least 20 pages/min		
Print resolution	• at least 600x600 dpi		
	•		
Scan resolution	• at least 600x600 dpi		
Built-in memory	• At least 512 MB		
capacity			
Functionality	• Two-sided printing;		
	• Automatic source feeding for scanning;		
	Automatic source submission for copying;		
	Network scanning;		
	• LED indicator to display the status of the device;		
	Perform configuration via the web interface		
Interface	• Ethernet is not less than 10BASE-T/100BASE-TX, patch cord (not less than 3 m long, RJ-45 - RJ-45 connectors) included (in the event that the manufacturer of the "Multifunction device A4" does not supply the appropriate patch cord for		
	the network adapter, the bidder will be required to complete the given device with such patch cord from another manufacturer and the total cost of the offer).		
	• At least one port is not less than USB 2.0, interface cable included • Wi Findenter with at least 802.11b/g/n support		
Consumables	 Wi-Fi adapter with at least 802.11b/g/n support The supplier shall include additional consumables necessary for the operation of 		
i i Consumantes	r - The supplier shall include additional consumables necessary for the oberation of t		
included in the	the multifunctional device A4 for the production of at least 10 thousand copies		
	the multifunctional device A4 for the production of at least 10 thousand copies of the pages for each multifunctional device A4, including the starting pack life:		
included in the	the multifunctional device A4 for the production of at least 10 thousand copies of the pages for each multifunctional device A4, including the starting pack life: Toner, cartridge, drum, etc. – the quantity and the list depends on the proposed		
included in the delivery	the multifunctional device A4 for the production of at least 10 thousand copies of the pages for each multifunctional device A4, including the starting pack life: Toner, cartridge, drum, etc. – the quantity and the list depends on the proposed model of the device and their capacity.		
included in the delivery Documentary	the multifunctional device A4 for the production of at least 10 thousand copies of the pages for each multifunctional device A4, including the starting pack life: Toner, cartridge, drum, etc. – the quantity and the list depends on the proposed model of the device and their capacity. • Declaration of conformity (certificate) valid as of the date of the offer's		
included in the delivery Documentary support	the multifunctional device A4 for the production of at least 10 thousand copies of the pages for each multifunctional device A4, including the starting pack life: Toner, cartridge, drum, etc. – the quantity and the list depends on the proposed model of the device and their capacity. • Declaration of conformity (certificate) valid as of the date of the offer's disclosure.		
included in the delivery Documentary	the multifunctional device A4 for the production of at least 10 thousand copies of the pages for each multifunctional device A4, including the starting pack life: Toner, cartridge, drum, etc. – the quantity and the list depends on the proposed model of the device and their capacity. • Declaration of conformity (certificate) valid as of the date of the offer's		

setup in English (or Ukrainian), electronic or paper media, and the user manual in Ukrainian	

WARRANTY SUPPORT REQUIRMENT:

- Warranty period for all components should not be less than 36 months from the manufacturer.
- Service in mode is not less than Next-Business-Day (NBD) from the manufacturer and replacement of faulty components.
- Availability of the authorized equipment of service centers in all regional centers of Ukraine, except temporarily occupied territory of the Autonomous Republic of Crimea, Donetsk and Lugansk region.

PACKAGING, LABELLING FOR TRANSPORTATION:

- The bidder shall describe the proposed packaging for transportation and define a packing unit (PU). The quantity of items in each PU must be standardized and this information must be clearly specified along with its weight, volume, and the equipment required to handle it in the technical offer. Each PU shall carry a label stating the content along with the Purchase Order number.
- The suppliers should state their delivery capacity for the delivery of the above number of laptops from the Purchase Order date from UNHCR.
- Partial delivery will be accepted but the supplier must provide the information for the whole quantity.