

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Lot 1: Supply of equipment for Development Agency of Serbia - Supply of ICT equipment

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Publication reference: 1-06-404-87/2021

Columns 1-2 should be completed by the contracting authority

Columns 3-4 should be completed by the tenderer

Column 5 is reserved for the evaluation committee

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
1	<p><u>Laptop - type 1</u></p> <ul style="list-style-type: none"> • Screen: 39.6 cm (15.6 inches), LED, anti-glare, Full HD, minimum resolution 1,920 x 1,080, min. 250cd / m² • Processor: Intel Core i5 tenth generation min 3.6GHz, 4 cores, 8 threads, 6MB cache, or equivalent • Memory: minimum 16 GB DDR4 3200 MHz, 2 DIMM slots, supported up to 64GB • Communication: 10/100/1000 MBit / s integrated on board, Intel® WLAN dual band-AC9560 11ac wireless network card with integrated Bluetooth 5.0, or equivalent • Camera: HD webcam with LED indicator • Hard drive: SSD 512 GB PCIe NVMe M.2 2280 • Graphics card: Intel® UHD Graphics for 10th Gen Intel® Processors, or equivalent • Optical drive: DVD-RW • Ports: 3x USB 3.2 Gen1 Type-A (minimum 1 port with Anytime USB charge function adjustable via BIOS), 1x USB 3.2 Gen2 Type C, 1x HDMI, 1x SD / SDHC / SDXC Card Slot, RJ-45, 1x Audio in / out, integrated speakers, integrated microphone • Integrated keyboard: with separate numeric part, spill-resistant • Battery: 3-cell, minimum 45Wh • Power adapter: 19V / 65W 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> • Weight: up to 2kg • Operating system: Windows 10 Pro • Other: built-in TPM 2.0 module • Certificates: ENERGY STAR 8.0, enclose CE Declaration of Conformity <p>Quantity: 6</p>			
2	<p><u>Laptop - type 2</u></p> <ul style="list-style-type: none"> • Screen size: 15.6 " • Processor : minimum Intel Core i5 tenth generation min, Number of cores 4 (8 threads), processor clock speed 3.60 GHz, L3 cache 6MB, or equivalent • Memory: RAM Memory minimum 8 GB DDR4 2666MHz, • Disk Type: SSD minimum 512 GB • Graphics Integrated, Intel HD VGA Model, or equivalent • VGA Memory Shared • Mass (g): 1850 or less • Color: Black / silver / dark gray / Nightfall Black / Blue • Display minimum 1920 x 1080, Anti-glare • USB 2.0 x1 • USB 3.1 NB x2 • HDMI x1 • Webcams- Yes • WiFi -Yes • Bluetooth -Yes 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> • Card Reader Yes • Keyboard location Serbian • Windows 10 Pro operating system • Battery: LI 2-cell battery <p>Quantity: 4</p>			
3	<p><u>Laptop- type 3</u></p> <ul style="list-style-type: none"> • Screen size: 15.6 ", • Resolution minimum 1920 x 1080, Anti-glare LED, • Touchscreen -Yes • Processor : minimum Intel Core i5 eleventh generation, 4 cores, clock speed 2.40 GHz, L3 cache 8MB, or equivalent. • RAM Memory: minimum 12 GB, DDR4 (3200 MHz) • HDD: 512 GB SSD drive • Graphics Card: Integrated, Model VGA Intel Iris Xe, or equivalent • WiFi -Yes • Bluetooth minimum 5.0 • Card Reader Yes • USB Type-C NB x1, USB 3.0 x2, HDMI x1, Display Port x1 • Illuminated keyboard Yes • Fingerprint reader Yes • Camera - Yes • Audio Stereo • LI 3-cell battery 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> • <u>Physical characteristics:</u> • Mass (g) 1950 or less • Color: Black / Silver / Dark Gray / Nightfall Black / Blue • Housing / Chassis Aluminum • Windows 10 Pro operating system <p>Quantity: 1</p>			
4	<p><u>Laptop bag</u></p> <ul style="list-style-type: none"> • Dimensions 15.6 " • Two inner compartments, outer pocket for small things • Belt with extended shoulder section <p>Quantity: 5</p>			
5	<p><u>Mouse</u></p> <p>Wireless, optical DPI 1200 Batteries for the mouse</p> <p>Quantity: 5</p>			
6	<p><u>Tablet</u></p> <ul style="list-style-type: none"> • Network:GSM / CDMA / HSPA / EVDO /LTE / 5G • Dimensions: 247,6 x 178,5 x 5.9 mm (9.75 x 7.03 x 0.23 in) • Weight: 466 g (WI-FI), 470g(5G)(1.03 in) 			

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	<ul style="list-style-type: none"> • Build: Glassfront, aluminium back, aluminium frame • SIM: Nano-SIM, eSIM • Display Type: Liquid Retina IPS LCD, 120Hz, HDR10, Dolby Vision, 600 nits (typ) • Display Size: 11.0 inches, 366.5 cm² (~82.9% screen-to-body ratio) • Display Resolution: 1668 x 2388 pixels (~265 ppi density) • Display Protection: Scratch-resistant glass, oleophobic coating • OS: iPadOS 14.5.1, upgradable to iPadOS 15.1, or equivalent • Chipset: Apple M1, or equivalent • CPU: Octa-core • GPU: Apple GPU (8-core graphics), or equivalent • Internal Memory: 128GB 8GB RAM • Main Camera: Triple 12 MP, f/1.8, (wide), 1/3", 1.22µm, dual pixel PDAF • 10 MP, f/2.4, 125° (ultrawide) • TOF 3D LiDAR scanner (depth) ▪ Features : Quad-LED dual-tone flash, HDR <ul style="list-style-type: none"> ○ Video: 4K@24/25/30/60fps, 1080p@25/30/60/120/240fps; gyro-EIS • Selfie Camera: Single 12 MP, f/2.4, 122° (ultrawide) ▪ Features: Face detection, HDR, panorama ▪ Video: 1080p@25/30/60fps, gyro-EIS 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> • Sound: Loudspeaker: Yes, with stereo speakers (4 speakers) • Conns: WLAN Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, hotspot • Bluetooth 5.0, A2DP, LE, EDR • GPS , with A-GPS, GLONASS, GALILEO, QZSS (Wi-Fi + Cellular model only) • USB USB Type-C 4 (Thunderbolt 4), DisplayPort; magnetic connector • Features: Sensors Face ID, accelerometer, gyro, barometer <ul style="list-style-type: none"> ▪ Siri application for Natural language commands and dictation, or equivalent • Battery: Type Li-Po 7538 mAh (28.65 Wh), non-removable • Charging Fast charging 18W <p>Quantity: 3</p>			
7	<p><u>A4 ADF Scanner</u></p> <ul style="list-style-type: none"> • Type: ADF (automatic document feeder) • Scan mode: ADF Simplex / Duplex, • Color: Grayscale / Monochrome • Automatic recognition: color / shades of gray / black and white • Image sensor • Color CIS or CCD • Scanning range: • ADF: ≥ A4 (350 x 210 mm) 			

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	<ul style="list-style-type: none"> • Automatic recognition of the dimension of the document being scanned. • Scanning speed ADF A4: • Simplex / duplex: ≥ 25 ppm / 50 ipm (300dpi), • Optical ADF resolution: $\geq 600 \times 600$ dpi • Feeder capacity: ≥ 50 sheets • ADF option: Long paper scanning ≥ 3 m Supported operating systems Windows 7, (32-bit / 64-bit) and 10 (32-bit / 64-bit) • Drivers TWAIN and ISIS • Management software which, when working with the ADF, shortens the preparation time and minimizes manual intervention during the scanning process, i.e. software that is able to perform: automatic image sharpening, misalignment correction so that all scanned images are oriented in the same direction, blank page recognition and elimination, color document recognition and image compression to reduce storage space. • Connection: USB 2.0 or better • Certificates: ENERGY STAR and RoHS <p>Quantity: 2</p>			
8	<p><u>Mobile phone- type 1</u></p> <ul style="list-style-type: none"> • Network: <u>GSM / CDMA / HSPA / EVDO / LTE</u> 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> • Dimension: 159.8 x 74.5 x 8.4 mm (6.29 x 2.93 x 0.33 in) • Weigh: 190 g (6.70 oz) • Build: Glass front, plastic back, aluminum frame • SIM: Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by) • IP68 dust/water resistant (up to 1.5m for 30 mins) • Display Type: Super AMOLED, 120Hz, HDR10+ • Display Size: 6.5 inches, 101.0 cm² (~84.8% screen-to-body ratio) • Display Resolution: 1080 x 2400 pixels, 20:9 ratio (~407 ppi density) Always-on display • OS: Android 10, upgradable to Android 11, One UI 3.0, or equivalent • Chipset: Exynos 990 (7 nm+) - Version 1 • CPU: Octa-core (2x2.73 GHz Mongoose M5 & 2x2.50 GHz Cortex-A76 & 4x2.0 GHz Cortex-A55) - Version 1 Octa-core (1x2.84 GHz Kryo 585 & 3x2.42 GHz Kryo 585 & 4x1.8 GHz Kryo 585) - Version 2 <p>GPU: Mali-G77 MP11 - Version 1</p> <p>Adreno 650 - Version 2</p> <p>Card Slot: microSDXC (uses shared SIM slot)</p>			

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	<p>Internal Memory: 128GB 6GB RAM</p> <ul style="list-style-type: none"> • Main Camera: Triple 12 MP, f/1.8, 26mm (wide), 1/1.76", 1.8µm, Dual Pixel PDAF, OIS 8 MP, f/2.4, 76mm (telephoto), 1/4.5", 1.0µm, PDAF, OIS, 3x optical zoom 12 MP, f/2.2, 13mm, 123° (ultrawide), 1/3.0", 1.12µm • Features: LED flash, auto-HDR, panorama • Video: 4K@30/60fps, 1080p@30/60fps, gyro-EIS • Selfie Camera: Single: 32 MP, f/2.2, 26mm (wide), 1/2.74", 0.8µm • Features: HDR • Video: 4K@30/60fps, 1080p@30/60fps (gyro-EIS) • Sound: • Loudspeakers stereo speakers • Comms: WLAN: Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct, hotspot • Bluetooth: 5.0, A2DP, LE • GPS: Yes, with A-GPS, GLONASS, BDS, GALILEO • NFC: Yes • USB: USB Type-C 3.2, USB On-The-Go • Features: Sensors 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> • Fingerprint (under display, optical), accelerometer, gyro, compass • Virtual proximity sensing • Bixby natural language commands and dictation • Application for payment with banking cards • BATTERY: Type: Li-Ion 4500 mAh, non-removable Charging: Fast charging 25W Fast wireless charging 15W Reverse wireless charging 4.5W • USB Power Delivery 3.0 <p>Quantity: 9</p>			
9	<p><u>Mobile phone type - 2</u></p> <ul style="list-style-type: none"> • Android 10 operating system, or equivalent • Processor and graphics: Octa Core processor ARM processor type Processor Description 2x2.73 GHz Mongoose M5 & 2x2.50 GHz Cortex-A76 & 4x2.0 GHz Cortex-A55 Exynos 990 chipset (7 nm +) • Screen: 6.5 "screen size, Super AMOLED screen type, Touch screen Yes Number of colors: (24-bit) 16,777,216 colors Resolution: 2400 x 1080 			

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	<p>Screen density: ~ 405 ppi</p> <ul style="list-style-type: none"> • Dual SIM Yes • SIM slot type Nano SIM • SIM 1 + Hybrid (SIM or MicroSD) • 6 GB RAM • Internal memory: 128 GB • MicroSD memory card slot up to 1TB • Rear camera 12 Mpix + 8 Mpix + 12 Mpix • Stabilization Electronic and Optical Stabilization (OIS) and (EIS) • Front camera: 32.0 Mpix • Other features: <ul style="list-style-type: none"> ○ Sensors ○ Fingerprint reader ○ Accelerometer ○ Gyroscope ○ Proximity sensor ○ Compass • WiFi 6 - Yes • Bluetooth v5.0 • GPS- Yes • USB: USB-C • OTG support -Yes • NFC -Yes • Battery 4500 mAh • Color: Sky blue / black • Network: 2G,3G, 4G (LTE) • External characteristics <ul style="list-style-type: none"> ○ Monoblock ○ Touch keyboard • Dimensions 159.8 x 74.5 x 8.4 mm 			

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	<ul style="list-style-type: none"> • Weight up to 190 g <p>Quantity: 4</p>			
10	<p><u>Mobile phone type - 3</u></p> <ul style="list-style-type: none"> • Operating system Android 11, MIUI 12, or equivalent • Processor and graphics: ARM Octa Core (2x 2.3 GHz Kryo 470 Gold & 6x 1.8 GHz Kryo 470 Silver) • Adreno 618 • Chipset: Qualcomm SM7150 Snapdragon 732G (8 nm), or equivalent • Screen: <ul style="list-style-type: none"> ○ Screen type: AMOLED ○ Protection: Gorilla Glass 5 ○ Resolution: 2400 x 1080 px ○ Screen diagonal: 6.5 "or more • Dual sim Yes • 6 GB RAM • Internal memory 128 GB • Memory card slot - Yes • Rear camera: 64 + 8 + 5 Mpix <ul style="list-style-type: none"> ○ Dual-LED dual-tone flash, HDR, panorama • Front camera 16 MPX • Other features: • Sensors: <ul style="list-style-type: none"> ○ fingerprint reader below the screen ○ accelerometer ○ gyroscope 			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
	<ul style="list-style-type: none"> ○ proximity sensor ○ light sensor ○ compass ● Wi-Fi, Wi-Fi Direct, hotspot ● Bluetooth ● GPS, A-GPS, GLONASS, BDS, GALILEO ● USB 2.0 Type-C ● NFC: Yes ● Keyboard: Touch ● 33 W fast charge battery ● Color: Black / Silver / Blue ● 2G, 3G, 4G network ● Dimensions: 162 x 76 x 6.9 mm (maximum) ● Weight: 160 g (maximum) <p>Quantity: 1</p>			

	Specifications Required		Specifications Offered	Notes, remarks, ref to documentation
a)	<p>Commercial warranty</p> <p>For Items under No. 1, 2, 3, (Laptop type 1, Laptop type 2, Laptop type 3), Item No. 7 (A4ADF Scanner) and Items No. 9 and No. 10 (Mobile phone –type 2, Mobile phone – type 3)</p>	<p>1 years (after the end of 1-year standard warranty) in accordance with the conditions laid down in Article 32 of the General Conditions and Article 33 of the Special Conditions.</p> <p>2 years manufacturer's warranty with free spare parts and the work of authorized service technicians, counting from the date of Provisional Acceptance Certificate.</p> <p>Link to the manufacturer's website where the user can check the length and type of warranty based on the serial number of the device must be provided.</p> <p>It is obligatory that on the territory of the Republic of Serbia there is an authorized service center of the manufacturer for subject equipment. This must be proved by submitting a valid service contract of the tenderer with the equipment manufacturer or a certificate issued by the equipment manufacturer, which clearly states that in the territory of the Republic of Serbia there is an authorized manufacturer's service center for the equipment in question.</p> <p>Tenderer must provide a detailed description of the organisation of the proposed service (e.g. name of the authorised service provider)</p>		

	Specifications Required		Specifications Offered	Notes, remarks, ref to documentation
b)	Commercial warranty For Items under No 6, No.5, No. 4 and No. 8 (Tablet and Mobile-phones, type 1, Laptop bags, Mouse)	1 year manufacturer's warranty with free spare parts and the work of authorized service technicians, counting from the Provisional Acceptance Certificate.		
c)	General conditions	Items must comply with the all of applicable regulations of Republic of Serbia and European Union regarding quality of materials and workmanship, class of motor and fuel, electricity, environmental protection and safety.		
d)	Documentation	Upon delivery of the goods a technical documentation for equipment shall be provided.		

Annex II + III: Technical Specifications + Technical Offer - part II – Place of delivery/Acceptance

Item	ARTICLE	Name of person responsible for provisional and final acceptance	Place of acceptance
Lot 1	Items No. 1, 6, 7, 8	Nebojša Potkonjak	Development Agency of Serbia 12 Kneza Miloša St, Belgrade 11 000 Serbia
Lot 1	Items No. 2, 3, 4, 5, 9, 10	Zoran Jovanović	Ministry of Economy 10 Vlajkovićeva St, floor III Belgrade 11 000 Serbia

Authorised Contact Person	Delivery address
<p><u>Name:</u> Nebojša Potkonjak</p> <p>Phone: + 381 64 80 17 669</p> <p>E-mail: nebojsa.potkonjak@ras.gov.rs</p> <p>Working hours: 7:30 – 15:30</p>	<p>Development Agency of Serbia 12 Kneza Miloša St, Belgrade 11 000 Serbia</p>
<p><u>Name:</u> Zoran Jovanović</p> <p>Phone: + 381 64 89 33 217</p> <p>E-mail: zoran.jovanovic@privreda.gov.rs</p> <p>Working hours: 7:30 – 15:30</p>	<p>Ministry of Economy 10 Vlakovićeve St, III floor Belgrade 11 000 Serbia</p>