

**Request for Quotation
(RFQ)**
Procurement of IT equipment for Science Fund

Project Title: **Serbia Accelerating Innovation and Growth Entrepreneurship Project (SAIGE)**

Source of Funding: **Loan No. 9029 YF**

Contract Ref: **SER-SAIGE-RFQ-G-21-24**

Contract Name: **Procurement of IT equipment for Science Fund (SF)**

Date: **September 14, 2021**

Dear Sirs,

1. You are invited to submit your price quotation for:

Procurement of IT equipment for Science Fund.

Information on description, specifications and required quantities are attached in the Annex 1.

2. You must quote for all the items under this Request. Price quotations will be evaluated for all the items together and contract awarded to the firm offering **the lowest evaluated total cost of all the items.**

3. Your price quotation in the form attached may be submitted electronically at the email address To: ljiljana.krejovic@mfin.gov.rs, Cc: ljiljana.dzuver@mfin.gov.rs; Cc: ivana.jovanovic@fondzanauku.gov.rs; and shall consist of:

- Request for Quotation (in PDF format)
- Terms and Conditions of Supply - **filled in and signed** (in PDF format)
- Technical Specification - **filled in and signed** (in PDF format) and word format
- Form of Quotation - **filled in and signed** (in PDF format)
- Manufacturer's Authorization - **filled in and signed** (in PDF format) for requested equipment (Laptops I, Desktop computers, Laptops II, and Printer I)

4. The deadline for receipt of your quotation (s) by the Purchaser at the address indicated in Paragraph 6 is: **October 01, 2021, until 12.00 hours, noon, local time.**

5. **Your quotation should be accompanied by adequate technical documentation and catalogue(s) and other printed material or pertinent information for each item quoted, including names and addresses of firms providing service facilities in Serbia. Manufacturer's Authorization for requested equipment (Laptops I, Desktop computers, Laptops II, and Printer I) is also needed.**

6. Your quotation(s) should be submitted as per the following instructions and in accordance with the attached Contract. The attached Terms and Conditions of Supply is an integral part of the Contract.

(i) **PRICES:** The prices should be quoted in RSD (Serbian Dinar), for the Total Cost at final destination of **Science Fund, Andrićev Venac 2, 11000 Belgrade**, which includes all taxes, VAT, customs, duties, inland transportation and insurance, loading and unloading.

(ii) **EVALUATION OF QUOTATIONS:** Offers determined to be substantially responsive to the technical specifications will be evaluated by comparison of the total price at final destination as per paragraph 2 above.

In evaluating the quotations, the Purchaser will determine for each bid the evaluated price by adjusting the price quotation by making any correction for any arithmetical errors as follows:

- (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern;
- (b) where is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern;
- (c) if a Supplier refuses to accept the correction, his quotation will be rejected.

(iii) AWARD OF CONTRACT: The award will be made to the bidder offering the lowest substantially evaluated responsive quotation and that meets the required technical and financial capabilities. The successful bidder will sign a Contract as per attached form of contract and terms and conditions of supply.

(iv) VALIDITY OF THE OFFER: Your quotation(s) should be valid for a period of forty-five (45) days from the deadline for receipt of quotation(s) indicated in Paragraph 4 of this Request for Quotation.

7. Further information can be obtained from address below:

Ljiljana Krejović
CFU Procurement Specialist
Ministry of Finance
Central Fiduciary Unit
Sremska 3-5
11000 Belgrade
Republic of Serbia
Tel/Fax: +381 11 202-15-87
E-mail: ljiljana.krejovic@mfin.gov.rs

8. Inspections and Audits

8.1 The Supplier shall carry out all instructions of the Purchaser which comply with the applicable laws where the destination is located.

8.2 The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the World Bank (Bank) and/or persons appointed by the Bank to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 5 Fraud and Corruption of the Form of Contract, which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).

9. Please Confirm by E-mail the receipt of this request and whether or not you will submit the price quotation(s).

Sincerely,

Ljiljana Krejović

CFU Procurement Specialist

FORM OF CONTRACT

THIS AGREEMENT number **SER-SAIGE-RFQ-G-21-24** made on _____ 2021, between the **Science Fund**, having principal place of business at Nemanjina 22-26, 11000 Belgrade, Republic of Serbia (hereinafter called “the Purchaser”) on the one part and _____ having principal place of business at _____ (hereinafter called “the Supplier”) on the other part.

WHEREAS the Purchaser has invited quotation for **Procurement of IT equipment for Science Fund** to be supplied by Supplier, viz. Contract Ref No **SER-SAIGE-RFQ-G-21-24** (hereinafter called “Contract”) and has accepted the Bid by the Supplier for the supply of goods under Contract at the sum of _____ (_____) inclusive of VAT (equivalent to _____ (_____) exclusive of VAT) hereinafter called “the Contract Price”.

Delivery of goods under the Serbia Accelerating Innovation and Growth Entrepreneurship (SAIGE) Project, Loan Number 9029 YF, is free from VAT as per Official Gazette of Republic of Serbia, International Contracts, no. 3/2020 dated February 26, 2020.

The Contract will be effective from the date of signing and will last until the finalization of the delivery upon Purchaser request, as specified in Terms and Conditions of supply.

NOW THIS AGREEMENT witnesses as follows:

1. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - a) **Form of Quotation; Term and Conditions of Supply, Technical Specification;**
 - b) **Addendum (if applicable);**
2. Taking into account payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby concludes an Agreement with the Purchaser to execute and complete the supply of Contract and remedy any defects therein in conformity with the provisions of Contract.

The goods that are to be procured under this contract are for the needs of Science Fund for SAIGE project and respective payments will be made by the Purchaser (Science Fund) from the Serbia Accelerating Innovation and Growth Entrepreneurship Project (SAIGE) funds.

3. The Purchaser hereby covenants to pay in consideration of the goods supply and acceptance of Contract and remedying of defects therein, the Contract Price in accordance with Payment Conditions prescribed by Contract.

4. Termination

4.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
 - (i) if the Supplier fails to deliver any or all of the Goods and Services within the period specified in the Contract, or within any extension thereof granted.
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or

(iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in Clause 5 below, in competing for or in executing the Contract.

(b) In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

4.2 Termination for Insolvency.

(a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

4.3 Termination for Convenience.

(a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

(b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

(i) to have any portion completed and delivered at the Contract terms and prices; and/or

(ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier

5. Fraud and Corruption

If the Purchaser determines that the Supplier and/or any of its personnel, or its agents, or its Subcontractors, consultants, service providers, suppliers and/or their employees has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices (as defined in the prevailing Bank's sanctions procedures), in competing for or in executing the Contract, then the Purchaser may, after giving 14 days notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the contract, and the provisions of Clause 4 shall apply as if such expulsion had been made under Sub-Clause 4.1.

6. Inspections and Audits

6.1 The Supplier shall carry out all instructions of the Purchaser which comply with the applicable laws where the destination is located

The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the Bank and/or persons appointed by the Bank to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 5 Fraud and Corruption, which provides, inter alia, that acts intended to materially impede the exercise of the Bank's

inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).

FOR AND BEHALF OF THE PURCHASER

Milica Đurić-Jovičić PhD, Director
Signature and seal of the Purchaser

FOR AND BEHALF OF THE SUPPLIER

Name of Authorized Representative
Signature and seal of the Supplier

FORM OF QUOTATION

(Date *insert*)

To:
Science Fund
Nemanjina 22-26,
11000 Belgrade
Republic of Serbia

We offer to execute the **Procurement of IT equipment for Science Fund**, Ref No: **SER-SAIGE-RFQ-G-21-24**, in accordance with the Conditions of Contract accompanying this Quotation for the Contract Price of _____ (amount in words and numbers) (_____) RSD inclusive of VAT. We propose to complete the delivery of goods described in the Contract within a period of _____ calendar days from the Date of Signing of the Contract.

This Quotation and your written acceptance will constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.

We hereby confirm that this Quotation complies with the Validity of the Quotation required by the proposal documents.

Authorized Signature: *insert*
Name and Title of Signatory *insert*

Name of Supplier: *insert*
Address: *insert*
Phone Number: *insert*
Fax Number: *insert*

Terms and Conditions of Supply

Project Title: **Serbia Accelerating Innovation and Growth Entrepreneurship Project (SAIGE)**

Purchaser: **Science Fund**

Contract Ref No: **SER-SAIGE-RFQ-G-21-24**

1. Prices and Schedules for Supply

Item No.	Description of Goods	Qty (pcs)	Net Unit Price (RSD) at final destination (exclusive of VAT)	Total price per line (RSD) at final destination (exclusive of VAT)	Total VAT per line (RSD)	Total Price (RSD) at final destination (includes all taxes, VAT, customs, duties, inland transportation and insurance)	Delivery Schedule from contract signature date (<i>insert days</i>)
1	2	3	4	5 (3x4)	6	7 (5+6)	8
Science Fund, Andrićev Venac 2, 11000 Belgrade, 11000 Belgrade							
1	Laptop computer I	15	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>Insert</i>
2	Desktop computer	3	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
3	Monitor	6	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
4	Laptop computer II	3	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
5	Printer I	1	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
6	Printer II	1	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
7	Mousepad	35	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
8	Mouse I and keyboard I wireless kit (set)	28	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
9	Laptop Charger	15	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
10	Microphone table	5	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
11	Microphone (handsfree)	5	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
12	UPS	7	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
13	Presenter	5	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
14	Camera for Computer	5	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
15	Computer lighting	8	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
16	Television/board with touchscreen	1	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
17	Graphic Board	1	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
18	Tablet	2	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
19	Mobile phone	2	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
20	Mouse II	1	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
21	Keyboard II	1	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>	<i>insert</i>
TOTAL AMOUNT (RSD)				<i>insert</i>	<i>insert</i>	<i>insert</i>	

Note: In case of discrepancy between unit price and total derived from unit price, the unit price shall prevail.

Delivery of goods under the Serbia Accelerating Innovation and Growth Entrepreneurship (SAIGE) Project, Loan Number 9029 YF, is free from VAT as per Official Gazette of Republic of Serbia, International Contracts, no. 3/2020 dated February 26, 2020.

2. Fixed Price: The prices indicated above are firm and fixed and not subject to any adjustment during contract performance.

3. The Purchaser reserves the right at the time of contract finalization to increase or decrease by up to 15% the quantity of goods and services originally specified without any change in unit prices as well as other terms and conditions.
4. Delivery Schedule: The delivery should be completed as per above schedule but **not exceeding 75 calendar days from contract signature**. The delivery includes delivery on site (Andrićev Venac 2, 11000 Belgrade) of all equipment.
5. Applicable Law: The Contract shall be interpreted in accordance with the laws of the Republic of Serbia.
6. Resolution of Disputes: The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute between them under or in connection with the Contract. In the case of a dispute between the Purchaser and the Supplier, the dispute shall be settled in accordance with the country procedures.
7. Payment for your invoice will be made as follows: 100% in 30 days on acceptance of the goods/services and issuing of Acceptance Certificate for the respective deliveries of the goods/services by the Science Fund from the Serbia Accelerating Innovation and Growth Entrepreneurship Project (SAIGE) funds.
8. Warranty: Goods offered should be covered by manufacturer's warranty for at least 12 months from the date of delivery to the Purchaser. Please specify warranty period and terms in detail.
9. Packaging and Marking Instructions: The Supplier shall provide standard packing of the Goods as required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.
10. Defects: All defects will be corrected by the Supplier without any cost to the Purchaser within 30 days from the date of notice by Purchaser. Name and address of service facility which the defects are to be corrected by the supplier within the warranty period:

Address _____ ***INSERT*** _____

11. Force-Majeure: The supplier shall not be liable for penalties or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force-Majeure.

For purposes of this clause, "Force-Majeure" means an events beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but not restricted to, act of Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

If a Force-Majeure situation arises, the Supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by Force-Majeure event.

12. Required Technical Specifications

- (i) General Description
- (ii) Specific details and technical standards
- (iii) Performance Parameters

Supplier confirms compliance with above specifications {**In case of deviations supplier to list all such deviations**}.

NAME OF SUPPLIER _____

Authorized Signature and Stamp _____

Place: _____

Date: _____

Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its Bid.]

Date: *[insert date (as day, month and year) of Bid submission]*
Contract Ref: SER-SAIGE-RFQ-G-21-24

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a Bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Annex 1

Technical Specification

(Filled Annex 1 TO BE INCLUDED IN THE QUOTATION)

Type	Quantity	Description	Minimal Technical requirement	Offered (Bidder shall comment in details each description and insert manufacture and model name)
1. Laptop computer I	15	Type	Lightweight, max. weight: 1.8 kg	<i>insert</i>
		CPU	Minimum score of 1638 on the BAPCo SYSmark 2018 Notebook CPU rating benchmark (Core i5 or equivalent)	<i>insert</i>
		Memory	8 GB	<i>insert</i>
		Screen	Min. 14", max 14'', min 1920x1080 Full HD	<i>insert</i>
		Hard disk	Min. 256GB SSD	<i>insert</i>
		Graphic Adapter	Integrated Intel Iris Xe Graphics G7 80EUs or equivalent	<i>insert</i>
		Integrated camera	Yes with integrated mic, min 0.9Mpxl	<i>insert</i>
		Wireless communication	Wi-Fi 802.11a/b/g/n/ac; min Bluetooth 5.0	<i>insert</i>
		Ports	Minimum: <ul style="list-style-type: none">• 1 USB 3.1 Type-C™ Gen 1 (Power delivery, DisplayPort™);• 2 USB 3.1 Gen 1;• 1 HDMI 1.4b;• 1 RJ-45;• headphone/microphone combo;• 1 AC power	<i>insert</i>
		Battery	Li-Ion 3-Cell	<i>insert</i>
Docking Station	Minimum 2 HDMI ports and 1 Display port Docking station must be compatible with Laptop computer type 1 and Laptop computer type 2, also must be compatible with laptops	<i>insert</i>		

			already owned by the Science Fund (Dell Vostro 3491 and Dell Latitude 540)	
		Compatibility	Laptop must be compatible with Docking Station already owned by the Science Fund (Dell D3100)	<i>insert</i>
		Warranty and maintenance	36 months (with Next Business Day Onsite Hardware Support)	<i>Insert</i>
2. Desktop computer	3	CPU	Minimum score of 1849 on the BAPCo SYSmark 2018 Desktop CPU rating benchmark (Core i5 or equivalent)	<i>insert</i>
		Memory	8 GB	<i>insert</i>
		Hard disk	Min. 1TB HDD 7200rpm SATA 3.5”	<i>insert</i>
		Graphic Adapter	Integrated Graphics	<i>insert</i>
		Chipset	Intel B460 or equivalent	<i>insert</i>
		Keyboard and mouse	Yes	<i>insert</i>
		Ports	Front: 1x Audio Combo Jack 2x USB 3.2 Gen 1 Type-A 2x USB 2.0 Type-A Rear: 1x Line out 1x VGA port 1x HDMI out 2x USB 3.2 Gen 1 Type-A 2x USB 2.0 Type-A 1x RJ-45	<i>insert</i>
		Communications	LAN: Integrated 10/100/1000M GbE; WLAN: 802.11 a/b/g/n/ac (1x1)	<i>insert</i>
		Form factor	Mini tower	<i>insert</i>
		Power	260 W internal power supply	<i>insert</i>
		Guarantee and maintenance	36 months (with Next Business Day Onsite Hardware Support)	<i>insert</i>
3. Monitor	6	Screen Size	Min. 23.8”	<i>insert</i>
		Type LCD	IPS	<i>insert</i>
		Aspect Ratio	16:09	<i>insert</i>

		Resolution	1920×1080	<i>insert</i>
		Viewing Angle	178° / 178°	<i>insert</i>
		Stand	Tilt Angle (-5° / 23°), pivot 90, height adjustable up to 150mm, with all cables (VGA, HDMI, DP)	<i>insert</i>
		Brightness	300 cd/m ²	<i>insert</i>
		Response Time	Max 5 ms	<i>insert</i>
		Contrast Ratio	1000/1	<i>insert</i>
		Connectors	1 x HDMI 1.4 1x VGA HDCP support	<i>insert</i>
			1 x DP 1.2, 4 x USB-A, 1 x USB -B	<i>insert</i>
		Warranty	3 years Advanced Exchange Service and Guarantee	<i>insert</i>
4. Laptop II	3	Type	Lightweight, max. weight: 2.8 kg	<i>insert</i>
		CPU	Minimum score of 1789 on the BAPCo SYSmark 2018 Notebook CPU rating benchmark (Core i7 or equivalent)	<i>insert</i>
		Memory	16GB, 1x16GB, DDR4, 3200MHz	<i>insert</i>
		Screen	14.0-inch FHD (1920 x 1080) Anti-glare LED Backlight Non-Touch Narrow Border WVA Display	<i>insert</i>
		Hard disk	Min. 512GB M.2 PCIe NVMe Solid State Drive	<i>insert</i>
		Graphic Adapter	Intel® Iris® Xe Graphics with shared graphics memory	<i>insert</i>
		Integrated camera	Yes, with integrated mic, min 0.9Mpxl	<i>insert</i>
		Wireless communication	Wi-Fi 802.11a/b/g/n/ac; min Bluetooth 5.0	<i>insert</i>
		Ports	Minimum: <ul style="list-style-type: none"> • 1 USB 3.1 Type-C™ Gen 1 (Power delivery, DisplayPort™); • 2 USB 3.1 Gen 1; • 1 HDMI 1.4b; • 1 RJ-45; • headphone/microphone combo; • 1 AC power 	<i>insert</i>

		Battery	4-Cell Battery, 54WHr (Integrated)	<i>insert</i>
		Docking Station	Minimum 2 HDMI ports and 1 Display port Docking station must be compatible with Laptop computer type 1 and Laptop computer type 2, also must be compatible with laptops already owned by the Science Fund (Dell Vostro 3491 and Dell Latitude 540)	<i>insert</i>
		Compatibility	Laptop must be compatible with Dell D3100 Docking Station	<i>insert</i>
		Warranty and maintenance	36 months (with Next Business Day Onsite Hardware Support)	<i>insert</i>
5. Printer I	1	System speed A4	Up to 25/25 ppm (mono/colour)	<i>insert</i>
		System speed A3	Up to 12/12 ppm (mono/colour)	<i>insert</i>
		Imaging technology	Laser	<i>insert</i>
		Stapling output capacity	max 200 sets	<i>insert</i>
		Stapling	max 50 sheets (up to 209g/m ²)	<i>insert</i>
		Panel size/resolution	7" / 800 x 480	<i>insert</i>
		System memory	6,144 MB (standard/max)	<i>insert</i>
		System hard drive	256 GB SSD (standard)	<i>insert</i>
		Interface	10/100/1,000-Base-T Ethernet; USB 2.0; Wi-Fi 802.11	<i>insert</i>
		Network protocols	TCP/IP (IPv4 / IPv6); SMB; LPD; IPP; SNMP; HTTP(S);	<i>insert</i>
		Printable paper size	A6-A3; customized paper sizes; banner paper max. 1,200 x 297 mm	<i>insert</i>
		Paper tray input	1x 500; A5-A4; custom sizes; 60-256 g/m ² 1x 500; A5-A3; custom sizes; 60-256 g/m ²	<i>insert</i>
		Manual bypass	100 sheets; A6-A3; custom sizes; banner; 60-256 g/m ²	<i>insert</i>
		Duty cycle (monthly)	Rec. 10,000 pages; Max. ² 125,000 pages	<i>insert</i>
Toner lifetime	Black up to 24,000 pages CMY up to 24,000 pages	<i>insert</i>		
Imaging unit lifetime	Black up to 102,000/600,000 pages (drum/developer) CMY up to 87,000 pages (imaging unit)	<i>insert</i>		

		Power consumption	220-240 V / 50/60 Hz; Less than 1.50 kW	<i>insert</i>
		Warranty and maintenance	36 months (with Next Business Day Onsite Hardware Support)	<i>insert</i>
6. Printer II	1	Description	Portable printer	<i>insert</i>
		Type of printing	Color, inkjet	<i>insert</i>
		Print Format	A4	<i>insert</i>
		Connecting	WiFi	<i>insert</i>
		Print Speed	color minimum 11ppm, black minimum 14ppm	<i>insert</i>
		Print Resolution	5750x1440 dpi	<i>insert</i>
		Paper Input Capacity	Minimum 20	<i>insert</i>
		Weight	Maximum 1.8kg	<i>insert</i>
		Toner	It is necessary to provide 2 black toners and 2 color toners with the device	<i>insert</i>
		OS compatibility	Windows 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
7. Mousepad	35	Wrist rest	Yes	<i>insert</i>
		Non-slip surface	Yes	<i>insert</i>
		Dimensions	Min 200x200mm Max 300x300mm	<i>insert</i>
		The color	Black	<i>insert</i>
8. Mouse and keyboard wireless kit	28	Connectivity	Bluetooth	<i>insert</i>
		Keyboard	With a numeric part	<i>insert</i>
		Mouse shape	Ergonomic	<i>insert</i>
		Mouse design	For both hands	<i>insert</i>
		Mouse resolution	Min 1600 dpi	<i>insert</i>
		Number of keys	Min 5	<i>insert</i>
9. Laptop Charger	15	Power	65W	<i>insert</i>
		Compatibility	Charger must be compatible with Dell Vostro 3491 Laptop and Dell D3100 Docking Station (chargers refer to devices that are already owned by the Science Fund and therefore they	<i>insert</i>

			must be compatible with current laptops and docking stations)	
		Power Connection	European Standard	<i>insert</i>
		Warranty	24 months	<i>insert</i>
10. Microphone table	5	Type	Condenser microphone	<i>insert</i>
		Microphone orientation	Cardioid	<i>insert</i>
		Connection	USB type A (wired)	<i>insert</i>
		Microphone sensitivity	-36 db	<i>insert</i>
		Frequency response	Minimum 30 Hz, maximum 18,000 Hz	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
11. Microphone (handsfree)	5	Type	Wireless microphone	<i>insert</i>
		Reach	Min 20 m	<i>insert</i>
		Other	Possibility of use without hands	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
12. UPS	7	Topology	Line Interactive	<i>insert</i>
		Capacity	Min 1000VA/600W	<i>insert</i>
		Battery autonomy at a load of 60W	Min. 40 minutes	<i>insert</i>
		Battery autonomy at a load of 90W	Min 20 minutes	<i>insert</i>
		Sockets	Min. 4	<i>insert</i>
		Surge Protection	Yes	<i>insert</i>
		Warranty	24 months	<i>insert</i>
13.Presenter	5	Laser Points	Yes	<i>insert</i>
		Number of keys	Min 3	<i>insert</i>
		Connection method	USB receiver (without cable)	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
14. Camera for	5	Connection	USB 2.0	<i>insert</i>

Computer		Resolution	1920x1080	<i>insert</i>
		Digital zoom	Min 4x	<i>insert</i>
		Cable length	Min 1.5m	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
15. Computer lighting	8	Type of light	LED	<i>insert</i>
		Light Intensity	Min 15W	<i>insert</i>
		Rotate the light	Yes	<i>insert</i>
		Height adjustment	Yes	<i>insert</i>
		Fastening to the table	Yes	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
16. Television/board with touchscreen	1	Screen diagonal	65", anti-glare	<i>insert</i>
		Audio	with integrated speakers and a minimum of 2 tweeter speakers and 2 woofer speakers with supported stereo sound it is necessary to have the ability to detect speakers from a distance of at least 8m from the board itself, as well as functionalities for Echo cancellation, noise suppression, AGC and the ability to add external microphones.	<i>insert</i>
		Video/Camera	camera from the front of the board with a minimum resolution of 8MP at an angle of 80 °, with a video resolution of at least 4k30 or 3840x2160 pixels together with support for (auto voice tracking) and automatic speaker framing (auto frame)	<i>insert</i>
		Screen Sensitivity	The screen/dashboard needs to be touch sensitive.	<i>insert</i>
		Processor	minimum Dual-chip Quad core processor at 1.5 GHz + 1.8 GHz quad core, 12GB frame, 64GB Flash memory with Android operating system installed	<i>insert</i>
		Other hardware	In addition to the above configuration that	<i>insert</i>

			supports the Android operating system, the board needs to have additional hardware integrated within the board with an Intel i5-8500 processor or better, a minimum memory of 8GB of RAM, as well as a hard drive with a minimum capacity of 128GB SSD that would be adequate to run the Windows operating system.	
		Connectivity	Integrated WiFi, in the operating range from 2.4GHz to 5GHz.	<i>insert</i>
		Ports	video input (1xbulit-in camera, 1xHDMI), video output (1xmonitor, 1xHDMI), audio input (1xbuilt in microphone, 1x3.5 mm LINE IN, 1xHDMI), audio output (1xbuilt in speaker, 1x3.5 mm LINE OUT, 1xHDMI) , USB Type-A, USB Type-B, 1xRI45 (10/100/1000 Mbit / s LAN), 1xRI45 (Touch).	<i>insert</i>
		Operating system	Board must have installed Android and Windows operating system, in two separated hardware integrated in board	<i>insert</i>
17.Graphic Board	1	Screen diagonal	13.3”	<i>insert</i>
		Screen type	IPS	<i>insert</i>
		Point of view	160°	<i>insert</i>
		Resolution	1920x1080	<i>insert</i>
		Active surface	294x166mm	<i>insert</i>
		Contrast	800:1	<i>insert</i>
		Pencil	Yes	<i>insert</i>
		Lighting	250cd/m2	<i>insert</i>
		Response time	30 ms	<i>insert</i>
		Connections	3 x USB tip C	<i>insert</i>
		Mass	Max 1.1kg	<i>insert</i>
		Warranty	24 months	<i>insert</i>
		18.Tablet	2	Screen Diagonal
Resolution	2000x1200			<i>insert</i>
Screen type	TFT			<i>insert</i>

		Processor	4 x 2.3 GHz & 4 x 1.7 GHz	<i>insert</i>
		Internal memory	64GB	<i>insert</i>
		RAM	4GB	<i>insert</i>
		Front camera	5Mpix	<i>insert</i>
		Rear camera	8Mpix	<i>insert</i>
		Internet Connection	WiFi	<i>insert</i>
		Pencil	Yes	<i>insert</i>
		Wireless	802.11 ac	<i>insert</i>
		Bluetooth	5.0	<i>insert</i>
		Warranty	24 months	<i>insert</i>
19. Mobile phone	2	Image sensor	CMOS	<i>insert</i>
		Screen	6.5" super AMOLED	<i>insert</i>
		Resolution	1080 x 2400	<i>insert</i>
		Internal memory	128 GB	<i>insert</i>
		Operating system	Android	<i>insert</i>
		Processor	Octa-Core, Brzina 2,73 GHz, 2,5 GHz i 2 GHz	<i>insert</i>
		Battery	4500 mah	<i>insert</i>
		Camera	Main: 12 MP + 12 MP + 8 MP, front: 32 MP	<i>insert</i>
		Memory card support	Micro SD to 1TB	<i>insert</i>
		RAM	6GB	<i>insert</i>
		Other	Dual SIM, Wi-Fi Direct, fingerprint sensor, light sensor	<i>insert</i>
		Warranty	24 months	<i>insert</i>
20. Mouse II	3	Type	Wireless	<i>insert</i>
		The shape	Ergonomic	<i>insert</i>
		Sensor	Laser	<i>insert</i>
		Battery	Integrated with a minimum of 500 mAh	<i>insert</i>
		Battery autonomy	Min 45 days	<i>insert</i>
		Number of keys	7	<i>insert</i>
		Thumb wheel	Yes	<i>insert</i>
		Connection technologies	Wi-Fi, Bluetooth	<i>insert</i>

		Number of connections	Min 3	<i>insert</i>
		Resolutions	4000 dpi	<i>insert</i>
		Adjust the resolution	Yes	<i>insert</i>
		Other	Switch the mouse between devices by swiping over the edge of the screen Copy files from one device to another Programming keys for each application separately	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
21. Keyboard II	1	Type	Wireless	<i>insert</i>
		Shape	Curved ergonomically for natural hand holding	<i>insert</i>
		Key type	Membrane	<i>insert</i>
		Palm rest	Yes	<i>insert</i>
		Ergonomic key layout	Yes	<i>insert</i>
		Keyboard size	With a numerical part	<i>insert</i>
		Weight	Max 1.2kg	<i>insert</i>
		Compatibility	Win 10	<i>insert</i>
		Warranty	24 months	<i>insert</i>
The delivery on site (Andrićev Venac 2, 11000 Belgrade) of all equipment.				