

REPUBLIC OF ALBANIA

**POLYTECHNIC UNIVERSITY OF TIRANA**

**RECTOR**

**DIRECTORATE OF SERVICES, INVESTMENTS AND MAINTENANCE**

**Nr.\_\_\_\_\_Prot. Tirana on, \_\_\_\_\_\_\_\_2024**

**INVITATION FOR OFFERS**

**No. \_\_\_\_\_, Date. \_\_\_\_/\_\_\_\_/2024**

**ABOUT**

**"SOFTWARE AND HARDWARE ACQUISITION":**

**with limit fund = 24,000 (10 and four thousand) euros** or **2,358,480 (two million three hundred and five hundred and four hundred and eighty thousand) ALL without VAT**

Rectorate of Polytechnic University of Tirana in the framework of the implementation of the ERASMUS-EDU-2022-CBHE: INTEC: "*International Engineering Competence Centres to push Sustainable Mobility Development in Albania and Montenegro*"*,* funded by the European Union, with Grant Agreement 101081873;

Invites you to submit your offer with the subject "***Purchase Software and Hardware***" according to the following precatevity and related technical specifications.

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| **No.** | **EMERTIMI** | **UNIT** | **QUANTITY** |
| 1 | Matlab and Simulink Academic | licence | 1 (a) |
| 2 | Matlab and Simulink Student | licence | 5 (five) |
| 3 | Laptop Advanced | cope | 4 (four) |

The tender development date will be **20/12/2024** at **11:00**, near the Rectorate of UPT, "NeneTereza" Square, second floor, Procurement Sector.

**TECHNICAL SPECIFICATIONS**

**Technical Specifications:**

1. **Matlab and Simulink Academic**

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| **Software Description** | |
| Description: | The Matlab **and Simulink** Professional Academic version combines a desktop environment tuned for iteractive analysis and design processes with a programming language expressing the matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output and formatted text into an executable notepad. |
| Professional construction: | MATLAB, Simulink, Controll System Toolbox, Data Acquisition Toolbox, DSP System Toolbox, Fixed-Point Designer, Instrument Control Toolbox, MATLAB Report Generator, Parallel Computing Toolbox, Partial Differential Equation Toolbox, Robust Control Toolbox, Signal Processing ToolBox, Simscape, Simscape MultiBody, System Composer, System Identification ToolBox, Wavelet ToolBox. |
| Data Analysis: | Explores, models and analyses data |
| Graphic: | Visualize and explore data |
| Programming: | Create scripts, functions and classes |
| Creating applications: | Create applications on desktop and web |
| Hardware: | Connect MATLAB **and SIMULINK together with hardware-based packages** |
| Parallel calculations: | Perform large-scale computing and parallel simulations using multicore desktops, GPUs, groups and clouds |
| Cohesion License: | Permanente |

1. **Matlab and Simulink Student**

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| **Software Description** | |
| Description: | Matlab **and Simulink** Professional Student version, combines a desktop environment tuned for iterary analysis and design processes with a programming language that expresses the matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output and formatted text into an executable notepad. |
| Professional construction: | MATLAB and Simulink Student Suite  Fixed-Point Designer, MATLAB Coder, MATLAB Report Generator, Partial Differential Equation Toolbox, SimEvents, Stateflow, Wavelet Toolbox. |
| Data Analysis: | Explores, models and analyses data |
| Graphic: | Visualize and explore data |
| Programming: | Create scripts, functions and classes |
| Creating applications: | Create applications on desctop and web |
| Hardware: | Connect MATLAB **and SIMULINK together with hardware-based packages** |
| Parallel calculations: | Perform large-scale computing and parallel simulations using multicore desktops, GPUs, groups and clouds |
| Cohesion License: | Permanente |

**3. Advanced Laptop**

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| **MINIMAL TECHNICAL CHARACTERISTICS** | |
| Min. points for the processor according to: cpubenchmark.net Min Proc. Rating according to: cpubenchmark.net: | Min. 13950 Points (36MB cache, 24 cores, 32 threads, dei ne 5.5 GHz Turbo, 55W)  ‎ |
| "Chipset": | Intel or Equivalent |
| "RAM": | ≥ 64 GB, min. DDR5, 5200MT/s |
| Hard Disk Size "HDD Size": | ≥ 2 TB SSD (Read , Write ≥ 7000 mb/s) |
| "Graphics": | NVIDIA RTX 2000 Ada 8 GB or better |
| "Media Device": | DVD+/RW DL Internal or External of the same brand with the Laptop; |
|  | Memory Card Reader |
| "Display" Display: | 17" FHD LED (1920 x 1200 MP), Anti Glare |
| Battery "Battery": | Min. 6 Cell 93 Wh |
| **COMMUNICATION & MANAGEMENT** | |
| Ports Communication Gates: | Min. (3) USB ports of which min. (3) USB 3.0/USB 3.1  (1) DP/HDMI  (1) Integrated Mic.  (1) Integrated HD Web Camera  (1/1) Headphone/Microphone Jack or (1) Combo Jack |
| Networking: | 10/100/1000 Mbps LAN (RJ-45);  Wireless 802.11ac (Compatible with 802.11b/g/n); Bluetooth min. V4.1; |
| "Sound": | Integrated, (2) x built-in Speakers (stereo) |
| Operating System "Preinstalled Licensed O.S.": | OEM Windows 11 64-bit Professional |
| Keyboard Keyboard: | QWERTY |
| "Pointing Device": | Touch Pad |
| Security "Security": | Embedded Security TPM 2.0 |
| **ACCESSORIES** | |
| "Power Cord" cable: | Yes, European |
| "Recharger" feeder: | Yes |
| "Mouse" | Yes, of the same brand as laptop |
| Çanta “Carrying Bag”: | Yes, from the Manufacturer. Suitable for laptops and other accessories. |
| "Recover": | Recover Partition |
| Color ''Color': | Black preferential  Grey Optional |
| **GUARANTEE** | |
| Warranty Warranty Coverage Period: | 3 Years |

**CRITERIA AND CONDITIONS OF THE OFFER:**

Economic operators must hand over in a closed envelope to the contracting authority the completion of the documents as below**:**

* The extract of the Economic Operator's QKR must include the object of procurement.
* Economic Offer Form.
* Bank Certificate, which contains: Name of the Subject, NIPT, No. of Account, IBAN.
* Copies of the electronic certificate for fiscalization, for taxpayers using the Central Billing Platform.
* Copies of the Electronic Certificate for Fiscalization and valid copies of the Contract related to the Certified Company for the selection of software in use, for taxpayers issuing invoices through software solution.
* The economic operator must submit a producer authorization, or cooperation agreement with the manufacturer, or distributor authorization for the **Advanced Laptop device**. In the case of authorization of the distributor, the agreement must be made between the authorized distributor and the producer. Each of the documents submitted must contain complete manufacturer data such as telephone, fax, e-mail, website in case of verification by the contracting authority.
* The economic operator shall present photographs/catalogues/brochures or catalog fragments (pages) for **the Advanced Laptop** device by clearly and distinctly marking the equipment it offers, with the relevant branded specifications, in order to verify compliance with the requirements in the DT, and the data according to the table below is met.

*Note: Catalog fragments should easily and clearly indicate that they are catalog parts, as well as which catalog and manufacturer they belong to.*

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| --- | --- | --- | --- | --- | --- |
| No. | The name of goods | Device Model | Name of manufacturer | Catalog titles,  No. Catalog page for each device offered, etc. | Official website of the manufacturer |

* The economic operator must be equipped with ISO 9001:2015 certificates on its "Quality Management Systems" (or equivalent) issued by a conformity assessment body accredited by the country's national accreditation body or by international accreditation bodies recognized by the General Directorate of Accreditation in Albania (DPA).

**All documents must be original or copies notered. Cases of non-disclosure of a document, or false and inaccurate documents, are considered conditions for disqualification.**

**Evaluation criteria:** The lowest price of the responsive offer.

**The term of realization: will be within 35 days from the date of the contract signing**.

**CONTRACTING AUTHORITY TITLE**

**BESMIR ALI**