

# CONTRACT NOTICE

concerning the purchase **Laboratory equipment and accessories**

(indicate the subject of the purchase)

by procurement procedure **Open Tender**

(type of procurement procedure)

1. Name of contracting authority: I.P. State University of Moldova

2. IDNO: 1006600064263

3. Address: mun. Chişinău, str. Alexei Mateevici, 60

4. Telephone/fax: 022 241 240 240/060060045

5. E-mail and internet address of the Contracting Authority: achizitii@usm.md / https://usm.md/

6. E-mail or Internet address from which access to the tender dossier can be obtained: *the tender dossier is annexed to the procedure in the AMPSIS.*





7. Type of contracting authority and main object of activity (if applicable, mention that the contracting authority is a central purchasing authority or that the procurement involves another form of joint procurement): *public higher education institution*

8. The purchaser invites interested economic operators, who can meet its needs, to participate in the procurement procedure for the supply/performance/performance of the following goods/services/works:

| Goods/Services/Works  |            |                               |                 |                     |   |  |
|---|------------|-------------------------------|-----------------|---------------------|---|--|
| No d/o  | CPV code   | Description                   | Unit of measure | Quantities Quantity | Full technical specification requested, Reference Standards   | Estimated value (to be indicated for each lot) |
| Lot 1 Department of Chemistry   |            |                               |                 |                     |   |  |
| 1.1.  | 38000000-5 | Magnetic stirrer with heating | pcs             | 2                   | Plate size 120x120 mm, aluminum powdered plate, maximum heated volume 2L, rotations 100-2000 pm, maximum heating temperature 350 <sup>(o)</sup> C, power consumption 180 W, Power source: AC 220V; 50Hz.<br><b>Warranty: min. 12 months</b><br><b>Delivery time: 60 calendar days</b> | 6 500,00                                       |
| Lot 2. Department of Industrial and Ecological Chemistry "acad. Gh. Duca" |            |                               |                 |                     |   |  |
| 2.1.  | 38000000-5 | Laboratory balance            | pcs             | 1                   | Maximum capacity (Max): 2500 g;Accuracy: 0,01 g;Accuracy class: II; Mains charger, 220 V.<br><b>Warranty: min. 12 months</b><br><b>Delivery time: 60 calendar days</b>  | 44 000,00                                      |
| 2.2.  |            | Analytical balance            | pcs             | 2                   | Maximum capacity (Max): 220 g; Reading unit: 0.0001 g; Accuracy class: I; Repeatability: 0.1 mg; Linearity: ±0.2 mg. Platen dimensions: 80 - 130 mm Mains charger, 220 V.<br><b>Warranty: min. 12 months</b><br><b>Delivery time: 60 calendar days</b>                                |  |
| Lot 3 Department of Biology and Geosciences                               |            |                               |                 |                     |   |  |
| 3.1.  | 38000000-5 | Technical balance             | pcs             | 1                   | Technical laboratory balance: Max 2200 g. Minimum capacity : Min 0,5 g. e = 0,1 g. d = 0,01 g. Information is displayed on the LCD display. Powered by 12 V adapter from 220 V mains.<br><b>Warranty: min. 12 months</b><br><b>Delivery time: 60 calendar days</b>                    | 12 083,33                                      |
| Lot 4 IGFPP Subprogram 011101 (5107)                                      |            |                               |                 |                     |   |  |

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|--|------------|--|-----|---|--|-----------|
| 4.1.   | 38000000-5 | <i>Trinocular stereomicroscope with built-in tablet and camera</i> | pcs | 1 | <b>Trinocular stereomicroscope</b> with zoom. Arm and microscope base - metal. Adjustable zoom objective 0.65x to minimum 5.5x, magnification from minimum 6.5x to minimum 55x. Field of view (WF) 10x minimum 23 mm. Binoculars with diopter and pupil distance adjustment. LED incident and transmitted object illumination minimum 3 W. Adjustable intensity of both lights. Working distance - minimum 10 cm. Stereomicroscope equipped with built-in tablet and camera. <b>Camera</b> - minimum resolution 12 MP, with cables for connections, adapters for mounting on stereomicroscope and tablet, Windows-compatible image processing software. Camera resolution 4000 x 3000 Pixel size 1.33 x 1.33 $\mu\text{m}$ |           |
|  |            |  |     |   | Sensitivity > 1.5 V/lux-sec<br><b>Tablet</b> - at least 8 inch diagonal (approx. 20 cm) at least USB-2 connection, equipped with microscope camera as described above. Processor: Quad Core 4 x 1.33 GHz with HD graphics processor, touchscreen display, LED illumination. Memory minimum 2 GB DDR3 RAM, minimum 2 MB cache Storage: minimum 32 GB flash SDD, Micro SD/SDHC Webcam 2 MP, 1600 x 1200 pixel. Connectivity USB-C, Wi-Fi 802.11 b/g/n and Bluetooth 4.0 Stereo audio with 3.5 mm audio jack and built-in microphone Lithium Battery, 4000 mAh, Windows 10 operating system<br><b>Warranty: 12 months</b><br><b>Delivery time: 30 calendar days</b>   | 46 080,00 |
| <b>Lot 5 IGFPF Project 23.70105.5107.04 (ANCD) (I)</b>                             |            |  |     |   |  |           |
| 5.1.   | 38000000-5 | <i>Trinocular biological microscope with camera</i>                | pcs | 1 | Optical system: DIN 160 mm. Illumination: transmitted Koehler. Built-in with field diaphragm. 6V 20W halogen bulb, dimmable. Eyepiece: wide field WF 10x/18 mm. Lenses: achromatic 4x0.1; 10x/0.25, 40x/0.65; 100x/1.25 (oil immersion). Condenser: Abbe N.A. 1.25 Camera with all necessary adapters for connection to microscope, minimum 5 megapixels.<br><b>Warranty: 12 months</b><br><b>Delivery time: 30 calendar days</b>  | 22 200,00 |
| <b>Lot 6 IGFPF Project 23.70105.5107.04 (ANCD) (II)</b>                            |            |  |     |   |  |           |
| 6.1.   | 38000000-5 | <i>Diaphanoscope</i>   | pcs | 1 | Power source, V 220, Power consumption, W 5; Cassette capacity, grain, pcs. 100; Number of simultaneous grains in field of view 10; Overall dimensions, mm 260x120x260; Weight, kg 4<br><b>Warranty: 12 months</b><br><b>Delivery time: 30 calendar days</b>   | 16 250,00 |
| <b>Lot 7 IGFPF Project 23.70105.5107.04 (ANCD) (III)</b>                           |            |  |     |   |  |           |
| 7.1.   | 38000000-5 | <i>Electronic scales with platform</i>                             | pcs | 1 | Weighing capacity: from 60 to 150 kg; Platform size (mm): 400-500; Platform material: stainless steel; Illuminated display. Working temperature: - 10...+40°C<br><b>Warranty: 12 months</b><br><b>Delivery time: 30 calendar days</b>  | 5 709,00  |
| <b>Lot 8 Institute of Applied Physics 23.70105.5007.14T (I)</b>                    |            |  |     |   |  |           |
| 8.1.   | 38000000-5 | <i>Tubular furnace</i>   | pcs | 1 | Volume: not less than 0.39 L; Maximum temperature: 1250 °C; Continuous operating temperature: 1250 °C; Power: 3.7 W; Nominal supply voltage: 230 V; Number of phases: 1; Nominal frequency: 50/60 Hz; Chamber material: ceramic; Maximum heating time: not more than 50 min; Temperature uniformity: 10°C; Air flow: natural; Chamber depth: not less than 200 mm; Chamber diameter: not less than 50 mm; Total width: not less than 675 mm; Total depth: not less than 545 mm; Total height: not less than 565 mm; Mass: not more than 38 kg;<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b>  | 68 919,33 |
| <b>Lot 9 Institute of Applied Physics 23.70105.5007.14T (II)</b>                   |            |  |     |   |  |           |
| 9.1.   | 38000000-5 | <i>Gaussmeter</i>  | pcs | 1 | Measurement ranges: 0 to 200 mT and 200 to 2,400 mT; Measuring direction: transverse; Magnetic field: static; Unit: mT, G; Resolution: not more than 0.01 mT; Automatic shutdown: after 5 minutes in idle state; Modes: hold mode, measurement mode; Display: not less than 4 digits with backlight; Operating temperature: 0 to +50°C; Measuring cable length: not less than 1 m; Power supply: battery, rechargeable battery or power pack;<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b>   | 25 760,00 |
| <b>Lot 10 Institute of Applied Physics 23.70105.5007.14T and 23.70105.5007.15T</b> |            |  |     |   |  |           |
| 10.1.  | 38000000-5 | <i>Calibration Sample for Scanning Electron Microscope</i>         | pcs | 1 | Calibration range: 2 mm to 1 $\mu\text{m}$ ; Sample thickness: 525 $\mu\text{m}$ ; Sample material: Cr/Au; Diameter of mounting platform: 10 to 12.5 mm; Pin diameter: 3.2 mm; Pin height: 8 to 10 mm; Mounting platform material: aluminum;<br><b>Delivery time: 60 days;</b>   | 10 949,99 |
| 10.2.  |            | <i>Resolution Test Sample - Tin on</i>                             | pcs | 1 | Sample contains particle sizes between 10 and 100 nm<br><b>Delivery time: 60 days;</b>   |           |

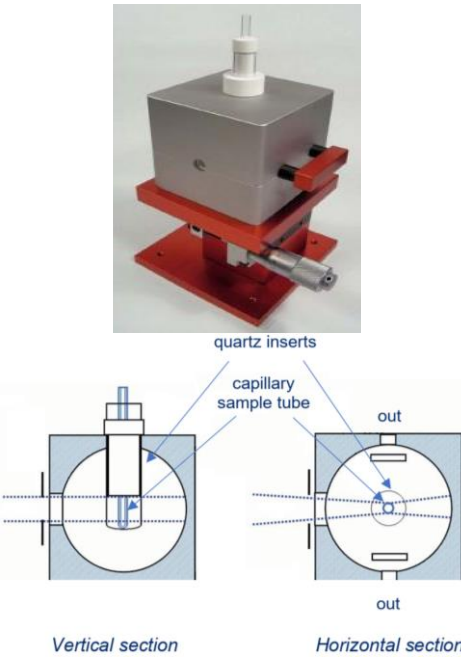
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|  |            | Carbon for Scanning Electron Microscope                       |     |   |  |           |
| 10.3.  |            | Calibration grid (1000 mesh) for Scanning Electron Microscope | pcs | 1 | A single 1000 mesh TEM grid of 3 mm diameter for calibration.<br>Pitch: 25µm, Bar width: 6µm<br>Hole width: 19µm<br><b>Delivery time: 60 days;</b>   |           |
| <b>Lot 11 Institute of Applied Physics 23.70105.5007.15T</b>   |            |   |     |   |  |           |
| 11.1.  | 38000000-5 | SEM sample holder with 4 mm slot                              | pcs | 1 | Aluminum 2.5 mm aluminum stiffener with one slot and two screws, Slot is 4 mm wide<br><b>Delivery time: 60 days;</b>   | 1 583,33  |
| 11.2.  |            | SEM sample holder with 45/90° angle                           | pcs | 1 | 12.7 mm diameter, 45/90° angle Material: Aluminum<br><b>Delivery time: 60 days;</b>  |           |
| 11.3.  |            | SEM sample holder 25 mm diameter, double 90° angle            | pcs | 1 | 25 mm diameter, double 90° angle Material: Aluminum<br><b>Delivery time: 60 days;</b>  |           |
| <b>Lot 12 Institute of Chemistry_Chemical study of secondary metabolites from local natural sources and valorization of their application potential on the basis of broadening molecular diversity with multiple functionality</b> |            |   |     |   |  |           |
| 12.1.  | 38000000-5 | UV lamp   | pcs | 1 | Wavelength 365 nm / 254 nm. Tubes x Power (W) = 1 x 6 365nm and 1 x 6 254 nm<br>Irradiance (mW/cm²) = 0.610 for 356nm and 0.400 for 254nm.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year</b>   | 14 000,0  |
| <b>Lot 13 Institute of Chemistry_Synthesis and study of new materials based on complex combinations with polyfunctional ligands and useful properties in medicine, biology and engineering</b>                                     |            |   |     |   |  |           |
| 13.1.  | 38000000-5 | Melting point meter   | pcs | 1 | Fully automatic, LCD display, IP20, 1 capillary inlet.<br>Alarm signal on reaching the melting point.<br>Fast cooling by integrated fan.<br>Digital display of all important data.<br>German or English display.<br>With RS-232 interface compatible with CBM910 printer.<br>Easy to clean membrane keyboard.<br>Protective case with minimum 100 capillaries included.<br>Small sample volume.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b> | 54 000,0  |
| <b>Lot 14 Institute of Chemistry_Laboratory Advanced Materials in Biopharmaceutics and Engineering (I)</b>   |            |   |     |   |  |           |
| 14.1.  | 38000000-5 | Stainless steel distiller                                     | pcs | 1 | Distillation capacity: 6-8 L/hr.<br>Distilled water volume: 1.0-1.4 L/min.<br>Conductivity of distilled water at 20C: approx. 1,5 µS/cm.<br>Heating control system.<br>Flow control system.<br>Distillation cut-off device in case of over or low water level.<br>Power supply: 230 V, 50/60 Hz, 26 A.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b>  | 10 000,0  |
| <b>Lot 15 Institute of Chemistry_Advanced Biopharmaceutical and Technical Materials Laboratory (II)</b>  |            |   |     |   |  |           |
| 15.1.  | 38000000-5 | Natural circulation incubator, 110 L                          | pcs | 1 | Digital thermoregulator. Sturdy stainless steel construction.<br>Maximum temperature 20-200°C. Natural circulation. Capacity: 100-110 L, 2 shelves.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b>   | 27 500,00 |
| 15.2.  |            | Ultrasonic bath with heating                                  | pcs | 1 | Tank capacity: 2-5 liters.<br>Ultrasonic power: max. 150 Watt. Ultrasonic power control: 50/75/100%.<br>Ultrasound frequency: max 45 kHz. Heating power: max 200 W. Adjustable heating control: 20 - 80 ° C. Timer: 1-60 min / continuous.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b>  |           |
| 15.3.  |            | Magnetic stirrer with heating                                 | pcs | 3 | TMA<20-280 C, 100-1500 rpm<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty period: 1 year;</b>   |           |
| <b>Lot 16 Institute of Chemistry_Ecological Chemistry Laboratory</b>   |            |   |     |   |  |           |
| 16.1.  | 38000000-5 | Exchange unit 20 mL   | pcs | 1 | Exchange unit 20 mL.<br>Exchange unit with integrated data chip, 20 mL glass cylinder and light protection. PCTFE/PTFE flat tap, FEP tubing connection, antidiffusion burette tip and glass reagent bottle, compatible with 848Titrino plus automatic titrator.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: min. 1 year</b>   | 30 000,00 |
| <b>Lot 17 Institute of Chemistry_Environmental Quality Monitoring Laboratory (GEOLAB)</b>  |            |   |     |   |  |           |
| 17.1.  |            | Drying cabinet  | pcs | 1 | Drying cabinet with temperature range: +30 - +250 and accuracy ± 5 C.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year;</b>   | 18 000,00 |
| <b>Lot 18 Institute of Chemistry_Project "Young Scientists", code: 24.80012.5007.14TC</b>  |            |   |     |   |  |           |
| 18.1.  | 38000000-5 | Magnetic stirrer with heating                                 | pcs | 2 | - Digital display.<br>- Connection for external temperature sensor.<br>- External temperature sensor.<br>- Stirring speed setting from 200 to 1500 rpm.<br>- Maximum temperature not less than 200 °C.<br>- Plate material: stainless steel coated with a ceramic material.<br>- Maximum load: 2 liters.<br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year</b>   | 24 000,00 |

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| 18.2.   |            | Precision balance              | pcs | 1 | <ul style="list-style-type: none"><li>- Accuracy 0.001 g.</li><li>- Linearity not greater than 0.003 g.</li><li>- Maximum weighing capacity 300 g.</li><li>- Illuminated LCD display</li><li>- Internal Calibration.</li><li>- Power supply 100 V - 240 V 50 / 60 Hz.</li></ul> <b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year</b> |           |
| Lot 19 Institute of Chemistry_Advanced research in computational and environmental chemistry, identification of technological processes for treatment, formation of water quality and quantity. |            |                                |     |   |  |           |
| 19.1.   | 38000000-5 | Combustion and reduction tubes | pcs | 5 | Combustion and reduction tubes. Material - quartz Compatible with Elementar Vario EL III. Equivalent to:<br><br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year</b>   | 71 500,00 |
| 19.2.   |            | Protection tube                | pcs | 4 | Protection tube. Material - quartz Compatible with Elementar Vario EL III Equivalent to:<br><br><b>Delivery time: 60 calendar days;</b><br><b>Warranty period: 1 year</b>  |           |
| 19.3.   |            | Support tube                   | pcs | 3 | Support tube. Material - quartz, length 65 mm. Compatible with Elementar Vario EL III Equivalent to:<br><br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year</b>   |           |
| 19.4.   |            | Tin bezel 6 x 6 x 12 mm        | pcs | 2 | Tin bezel 6 x 6 x 12 mm. Compatible with Elementar Vario EL III. Equivalent to:<br><br><b>Delivery time: 60 calendar days;</b><br><b>Warranty: 1 year</b>   |           |
| Lot 20 Institute of Chemistry_F Complementary financing   |            |                                |     |   |  |           |

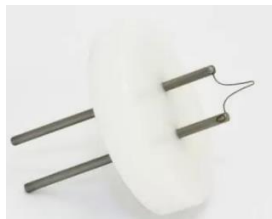

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|-------|------------|--|-----|---|--|--|
| 20.1. | 38000000-5 | Fourier transform infrared spectrophotometer (FT - IR) | set | 1 | <p><b>Key features:</b></p> <ul style="list-style-type: none"> <li>- Absolute Virtual Instrument (AVI) system.</li> <li>- Automatic attachment recognition and configuration</li> <li>- Atmospheric influence correction system</li> <li>- Scientist inside - spectrum quality control and operator assistance</li> </ul> <p><b>General technical features:</b></p> <ul style="list-style-type: none"> <li>- Must be able to realize sample reading in the range 8000 - 350 cm<sup>-1</sup>, with KBr beam splitter</li> <li>- Spectral resolution must be at least 0.4 cm<sup>-1</sup> at 3028 cm<sup>-1</sup> for methane</li> <li>- Wavelength accuracy to be at least +/- 0.02 cm<sup>-1</sup>, at 2000 cm<sup>-1</sup></li> <li>- Wavelength repeatability to be at least 0.02 cm<sup>-1</sup>, at 2000 cm<sup>-1</sup></li> <li>- The signal to noise ratio is required to be at least: 50000:1 (for 1 minute measurements)</li> <li>- Allow several spectra to be scanned per second</li> <li>- System allowing analysis of solid (powder), liquid and paste samples.</li> </ul> <p>Possibility of using a reusable desiccant for drying the optics of the device.</p> <p><b>Optical system:</b></p> <ul style="list-style-type: none"> <li>- Source: temperature-stabilized, air-cooled halogen lamp.</li> <li>- It shall be isolated from the external environment by an airtight housing that does not allow the ingress of moisture and other fine particles</li> <li>- To keep the humidity level low, the desiccant used must have a life expectancy indicator and be completely replaceable or regenerable.</li> <li>- To avoid errors, the instrument plate must be protected from vibration</li> <li>- Self-compensating Michelson type rotating interferometer, for fast scanning, being permanently aligned, and which is immune to movement and vibration.</li> <li>- Kinematically mounted optical system, in which the internal components do not move inside the instrument, and do not require alignment</li> <li>- The optical system must be aluminum or gold plated.</li> <li>- Mirrors must have high reflectivity and a low angle design with respect to the axis</li> <li>- The source shall have a long lifetime, be electronically stabilized with hot-spot and be easily replaceable by the user</li> <li>- The system shall be capable of being fitted with at least 2 permanently mounted internal and one external detector</li> <li>- The instrument shall be capable of mounting a minimum of two external analysis accessories simultaneously</li> <li>- the instrument shall be capable of being retrofitted with dedicated imaging system</li> <li>- It must be possible to activate the detectors by simple selection from the software-ware</li> <li>- Provide at least two beam output ports</li> </ul> |  |
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|   |  |   |     |   | <ul style="list-style-type: none"><li>- The spectrometer shall have a built-in NIST traceable validation filter and software for validation parameters</li><li>- NIR or FIR domain upgradeable</li><li>- The system must include continuously variable J-stop fully software controlled.</li><li>- System must allow calibration transfer and allow active standardization of instrument response to improve repeatability and protect data integrity</li><li>- Must allow minimization of the effect of atmospheric water and CO2 in the sample spectra using an algorithm without the need for reference spectra or calibration. They must work with different instrument settings without the need for correction recalibration</li><li>- All sample spectra must be scanned for common errors that may occur.</li><li>- Key instrument components must be continuously monitored</li><li>- The system must automatically detect when a sample is introduced into the sample compartment.</li><li>- Data must be collected when the user enters the sample data</li></ul> Accessories must be able to be automatically recognized and the status of accessories must be continuously monitored by software.<br>Equipment parameters shall be automatically changeable according to the accessory in use.<br><b>Software features:</b> <ul style="list-style-type: none"><li>- The software shall be able to monitor all operations performed throughout the analysis: instrument control, data management and analysis, customized reports according to the parameter being monitored</li><li>- Allow access on different levels, with user and password</li><li>- Be able to support the functions required for infrared analysis: identification of potential spectral quality problems and operator warning, mathematical spectral comparison routine, pairwise binning, data collection function, processing, storage, PLS function package, PCR, Beer's law, spectral library searches, peak labeling, multiple graph customization possibilities, 1st to 4th order derivatives with variable filters, normalization, A-order modes, %T, %R, KM, LOG(1/R), abscissa modes: cm-1, nm, μ, deconvolution, interpolation, peak height and peak area.</li><li>- Must provide the possibility to check instrument performance and configuration. The instrument must be programmable to perform validation tests.</li></ul> <b>Accessories</b> <ul style="list-style-type: none"><li>- The system shall be equipped with the ATR module</li><li>- The pressure applied to the sample with the ATR module must be displayed in the equipment software.</li><li>- Attachment for recording IR spectra in transmission</li><li>- Cell holder for recording spectra in liquid or solution form.</li><li>- KBr bottle holder for recording spectra in Vaseline oil.</li><li>- Holder for recording spectra in KBr pill form</li><li>- Dismountable cuvette for recording IR spectra of liquid samples with 1 and 2 mm optical path</li><li>- Polymer film for standardization of IR spectrometer operation.</li><li>- Press for tablet pressing</li><li>- Form for pressing pills</li><li>- Pill holder KBr</li><li>- Set of reusable desiccant packs for the device</li></ul> (Includes one pack for use and a second pack for regeneration) <ul style="list-style-type: none"><li>- A computer with MS Windows compatible software package compatible with the device software, for total computerized control of the device, for processing and analysis of the data obtained.</li><li>- Windows software with features compatible with the device software.</li><li>- 20 inch monitor, keyboard, USB mouse</li><li>- Basic IR spectra library of substances</li></ul> <b>Delivery time: 120 calendar days;</b><br><b>Warranty period: 1 year</b> | 1 999 850,00 |
| Lot 21 Institute of Applied Physics F Complementary financing |  |   |     |   |   |              |
| 21.1.   |  | Equipment for studying materials in magnetic fields over a wide temperature range | set | 1 | <b>Requested technical specifications</b> <ul style="list-style-type: none"><li>• <b>Closed circuit cooling system - 1 pc.</b><br/>Minimum temperature: 3K (lower values than indicated are allowed)<br/>Maximum temperature: 355K (higher values than indicated are allowed)<br/>Stage 1 (intended for rapid cooling):<br/>Device cooling power, minimum 8 W at 77 K<br/>Thermal shield cooling power minimum 60 W at 77 K.<br/>Stage 2 (intended for cooling the experimental sample):<br/>Device cooling power, minimum 0,8 W at 3 K<br/>Thermal shield cooling power minimum 1,1 W at 3 K.<br/>Minimum two watertight instrumentation feedthroughs compatible with 10 or 19 pin connectors.<br/>NW-25 high-conductance flange for evacuation.<br/>ISO-160 flange with claw-type clamps.<br/>Material: stainless steel and aluminum<br/>Expander mass: maximum 14,0 kg</li><li>• <b>Helium Compressor - 1 pc.</b><br/>Helium compressor, water cooled<br/>Robust construction with low water flow required for cooling.<br/>Voltage specifications: 380-415 V, 3-phase, 50 Hz.<br/>Interconnecting hoses. 19mm x 6 m</li></ul>   | 2 000 000,00 |

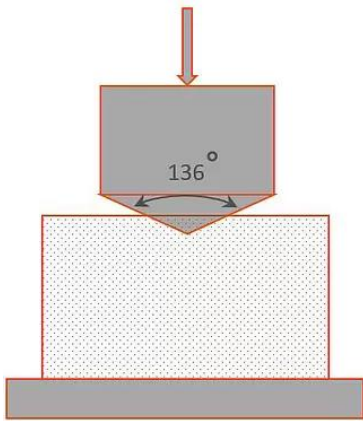
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|  |  |  |  | <ul style="list-style-type: none"> <li> <b>Optical head for cooling system - 1 pc.</b><br/> Type: for optical transmission meters, photoluminescence<br/> Made of stainless steel<br/> Window ports: min. 5<br/> Field of view through window min. 30 mm;<br/><br/> Optical windows: Quartz material (SiO<sub>2</sub>)<br/> Quantity - min 5 pcs.<br/> Maximum diameter 45 mm;<br/> Window thickness: min 2 mm<br/><br/> Blind flanges minimum 2 pcs.<br/> Optical radiation shield - min. 4 holes<br/> Screen material: OFHC Cu, Ni-coated. </li> <li> <b>Magneto-optical head for cooling system - 1 pc</b><br/> Type: for measuring magneto-optical properties<br/> Made of non-ferromagnetic material<br/> Window ports: min. 2<br/> Field of view through window min. 25 mm;<br/><br/> Optical windows: Quartz material (SiO<sub>2</sub>)<br/> Quantity - min 3 pcs.<br/> Maximum diameter 40 mm;<br/> Window thickness: min. 2 mm<br/><br/> Blind flanges min 2 pcs.<br/><br/> Optical radiation shield - min. 2 holes<br/> Screen material: OFHC Cu, Ni-coated. </li> <li> <b>Magnetic head for cooling system - 1 pc.</b><br/> Type: for galvanomagnetic measurements<br/> Made of non-ferromagnetic material<br/> Window ports: min. 2<br/> Field of view through window min. 20 mm;<br/><br/> Optical windows: Quartz material (SiO<sub>2</sub>)<br/> Quantity - min 3 pcs.<br/> Maximum diameter 38 mm;<br/> Window thickness: min. 2 mm<br/><br/> Blind flanges min 2 pcs.<br/><br/> Optical radiation shield - min 2 holes<br/> Screen material: OFHC Cu, Ni-coated. </li> <li> <b>Temperature controller - 1 pc.</b><br/> Interconnection cable to cryostat - included<br/> Sensor input: minimum 2 channels<br/> Two control loops for heating elements<br/> Communication interfaces: IEEE-488 and USB<br/> PID control: Yes<br/> Autotune function: Yes<br/> Heating element power: minimum 75 W<br/> A/D resolution: minimum 16 bit<br/> Power range: 0 to 100% with 1% resolution </li> <li> <b>Sample mounting system</b><br/> <b>8-pin hole sample holder - 2 pcs.</b><br/> Type: for optical transmission meters<br/> Number of contacts: 8<br/> Hole diameter: min 10 mm<br/> Material: Uncoated OFHC copper<br/> Fixing: 1/4-28 threaded stud attachment<br/> <b>8-pin flat sample holder - 2 pcs.</b><br/> Type: for measuring magneto-optical properties<br/> Number of contacts: 8<br/> Material: Uncoated OFHC copper<br/> Fixing: 1/4-28 threaded stud attachment<br/> <b>Flat sample holder - 2 pcs.</b><br/> Type: for photoluminescence meters<br/> Material: Uncoated OFHC copper<br/> Fixing: 1/4-28 threaded stud attachment<br/> <b>Sample holder with pogo pins - 2 pcs.</b><br/> Type: for measurements of electro-optical properties<br/> Number of contacts: 12<br/> Type of contacts: pogo pins (spring loaded pins)<br/> Material: uncoated OFHC copper<br/> Mounting: 1/4-28 threaded stud attachment </li> <li> <b>Instrumentation for sample temperature control in strong magnetic fields</b><br/> 1 heating resistor, metallized thermofoil type, durable, 50 Ohms.<br/> 1 calibrated Cernox sensor, mounted on top of the cooling element, for temperature control<br/> 1 calibrated Cernox sensor, 4" (102 mm) free length, for accurate sample temperature measurement </li> <li> <b>Bracket for cooling system -1 pc</b><br/> Vertical, four-legged, height adjustable bracket specially designed for </li> </ul> |  |
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|   |            |  |     |   | <p>required cooling systems</p> <ul style="list-style-type: none"> <li>• <b>Pumping system, CF25 connection, consisting of:</b><br/> Preliminary vacuum pump (to lower the initial system pressure from ~1000 mbar to a level where the turbo pump can operate efficiently (&lt; 10<sup>-2</sup> mbar) - 2 pieces</li> </ul> <p>Turbomolecular pump operates based on the mechanical interaction between gas molecules and rotor blades rotating at high speed (approx. 90,000 rpm) in an alternating structure of rotors and stators - 2 pcs.</p> <p>Vacuum cross (vacuum cross / cross piece) - allows simultaneous connection of several components (pumps, sensors, vacuum chamber, etc.) - 2 pcs.</p> <p>Vacuum gauges - Pirani gauges or similar with control unit - 2 pcs.</p> <p>Bayard-Alpert or similar type ion gauges with control unit - 2 pcs.</p> <p><b>Delivery time: 120 calendar days;</b><br/> <b>Warranty period: min 24;</b></p>  |            |
| <b>Lot 22 Institute of Applied Physics Optoelectronics Laboratory A.Andrieș, Subprogram 011201</b>                        |            |  |     |   |  |            |
| 22.1.   | 38000000-5 | Integration sphere for quantum yield measurement | pcs | 1 | <p>One excitation window; 2 emission windows at +90° and -90°, symmetrical design; Two retractable baffles.<br/> Iris iris diaphragm on excitation window for adjustment of transmitted light intensity; Bracket for mounting to spectrometer;<br/> Inner layer reflectance: more than 95% reflectance, from 250 nm flat to 2.5 μm;<br/> Micrometer screw on holder for alignment of sample and emission windows with the axis of the meter;<br/> Dimensions (l×w×h×i):<br/> - support 80×105×59 mm;<br/> - sphere 58×75×84 mm;</p> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>- Capillary tube for samples;</li> <li>- Quartz insert for capillary tube holder;</li> <li>- Set of screws with metric thread;</li> <li>- Reference samples (2 units): <ul style="list-style-type: none"> <li>• Barium magnesium aluminate, europium doped;</li> <li>• sodium salicylate;</li> </ul> </li> </ul> <p>Equivalent to:</p> <div style="text-align: center;">  <p style="text-align: center;">Vertical section      Horizontal section</p> </div> <p><b>Delivery time: 90 calendar days;</b><br/> <b>Warranty: 1 year;</b></p> | 188 667,00 |
| <b>Lot 23 Institute of Applied Physics Laboratory Physics of Semiconductor Compounds, Subprogram 011201</b>               |            |  |     |   |  |            |
| 23.1.   | 38000000-5 | High precision multimeter                        | pcs | 1 | <p>For precise measurements of electric current parameters (direct and alternating)</p> <p>DC voltage: 0.1 μV - 1000V; error, not greater than ± 0.0075 V<br/> AC voltage: 0.1 μV - 750V; error, not greater than ±0.09 V<br/> DC current: 100 pA - 3A; error, not greater than ± 0.05 A<br/> AC current: 100 pA - 3A; error not greater than ± 0.33 A<br/> Resistance: 100 μΩ - 100 MΩ; error not greater than ± 0.014 Ω<br/> Electrical capacitance: 0.01 nF - 100 μF; error, not greater than ± 2nF<br/> Frequency: tuning range 3Hz - 1MHz; error, not greater than ± 0.1 Hz<br/> Display: size not less than 50 mm (2"), color or B/W<br/> Power supply: 220V; 50 Hz, Interface: RS-232C, USB, LAN</p> <p><b>Delivery time: 60 calendar days</b><br/> <b>Warranty: 1 year;</b></p>  | 30 833,00  |
| <b>Lot 24 Institute of Applied Physics "Sergiu Rădăuțan" Semiconductor Compound Physics Laboratory, Subprogram 011201</b> |            |  |     |   |  |            |



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| 24.1.  | 38000000-5 | CCD spectrometer with cosine corrector | set | 1 | The set will contain a compact NIR spectrophotometer and a cosine corrector<br>Wavelength range: 500-1000 nm<br>Spectral accuracy: < 0,6 nm<br>CCD sensitivity: not less than 160 V/(lx - s)<br>Integration time: 10 μs - 60 s, Interface: USB or LAN<br><b>Delivery time: 60 calendar days</b><br><b>Warranty: 1 year;</b>  | 66 750,00 |
| Lot 25 Institute of Applied Physics Materials Laboratory for Photovoltaics and Photonics, Institutional          |            |  |     |   |  |           |
| 25.1.  | 38000000-5 | Tungsten filament                      | set | 2 | Tungsten tungsten filament compatible with Tescan Vega electron microscope, 10 pcs. in set<br><br><b>Delivery time: 90 calendar days</b>   | 16 667,00 |
| Lot 26 Institute of Applied Physics Laboratory Materials for Photovoltaics and Photonics, Subprogram 011201 (I)  |            |  |     |   |  |           |
| 26.1.  | 38000000-5 | Driver/Motor for diode laser           | pcs | 1 | Driver for diode type laser is required to provide local and computerized control of the laser, includes a digital panel. also a manual interface panel containing an LCD display<br>- Maximum current: 230 mA<br>- Operating modes: constant current or constant power<br>- Control: Local panel or USB connection to PC<br>- Complete software package included<br>- Output connector for laser diode: D9 female<br>- Laser diode current limit range: minimum 15 mA up to 200 mA<br>- Laser diode voltage: Up to 10 V at 50 mA (>7 V at 230 mA)<br>- Laser diode current/power setting resolution: <8 μA/1 μW<br>- Laser diode current/power measurement resolution: <0.4 μA (15 bits)<br>- LD/PD configurations supported<br>- Power input: +15 V, -15 V, +5 V<br>- PC connection: USB 3.0 Type-A to Micro-B<br>- Software: compatible with the latest programming languages C#, Visual Basic, LabVIEW™<br>The software package allows two methods of use:<br>1.Graphical User Interface (GUI) utilities for direct interaction and "out of the box" controller control.<br>2.Set of programming interfaces in C#, Visual Basic, LabVIEW<br><b>Delivery time: 60 calendar days</b> | 46 950,00 |
| 26.2.  |            | Pigtailed laser diode assembly         | pcs | 1 | -Compatible with pigtailed fiber laser diodes<br>-Laser diode package: Pigtailed laser diode holder<br>-Supported pigtailed laser diode types: 3 and 4 pin<br>-Pin configurations: A, B, C, D, E, G and H<br>-Maximum laser diode current: 1A<br>-Maximum TEC current/voltage/power: 4.5A / 3.0V / 7W<br>-TEC connector and laser diode connector: Type D9 Female<br>-Laser modulation in radio frequency: 1Hz 200kHz<br><b>Delivery time: 60 calendar days</b>  |           |
| Lot 27 Institute of Applied Physics Materials Laboratory for Photovoltaics and Photonics, Subprogram 011201 (II) |            |  |     |   |  |           |
| 27.1.  | 38000000-5 | Bracket with deflection lock           | pcs | 1 | Quick Insertion and Attachment - Drop-In Cage Brackets allow easy insertion or removal of Ø1" optics from an assembled 30 mm cage structure.<br>-For mounting Ø1" and 6.1 mm thick optics<br>-SM1 thread (1.035"-40) with two retaining rings for fixing optical components<br>-42.4 mm distance between mounting rod axes<br>-Clear opening: 22.9 mm<br>-Cage rod mounting screw: 5/64 in (2.0 mm), hexagonal on both sides<br>-Flexure Lock System:or equivalent.<br>Equivalent to:<br><br><b>Lead Time: 60 calendar days</b>  | 2 160,00  |
| 27.2.  |            | Ø15 mm cell-type optical system plate  | pcs | 1 | External threaded adapter SM1 (1.035"-40) for long cylindrical components<br>-Inner diameter: Ø11 mm<br>-Minimum length along axis: ≥0.35" (8.9 mm)<br>-Overall length: 0.59" (15 mm)<br>-Nylon-tipped fastening screw to secure components.<br><b>Delivery time: 60 calendar days</b>   |           |
| 27.3.  |            | Ring adapter for optical components    | pcs | 1 | Threaded adapter:<br>-external thread SM1- 1,035"-40<br>-standard internal thread for RMS micro-objectives (Whitworth thread 0.8" x 36).   |           |

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|  |            |  |     |   | -thickness on mechanical axis-5,1mm<br><b>Delivery time: 60 calendar days</b>  |                  |
| <b>Lot 28 Institute of Applied Physics Laboratory Materials for Photovoltaics and Photonics, Subprogram 011201 (III)</b> |            |  |     |   |  |                  |
| 28.1.  | 38000000-5 | <i>Fiber Collimator, adjustable</i>  | pcs | 1 | <ul style="list-style-type: none"><li>- Function: Collimates fiber optic light to free space</li><li>- Fiber connector type: FC/PC with 2.1 mm wide key</li><li>- Aspherical lens: focus f = 2,0 mm</li><li>- Anti-reflection coating: for wavelengths 350 - 700 nm</li><li>- Numerical aperture (NA) : 0,5</li><li>- Mode field diameter: Output waist diameter - 0,36 mm</li><li>- Maximum waist distance: 103,4 mm</li><li>- Divergence: 0,100°</li><li>- Fiber-lentil distance: 0,4 - 3,0 mm</li><li>- Axial dimension: 17,0 mm</li><li>- Fixing diameter: 14.7 mm</li></ul> External thread for FC/PC connector: M8x0.7 CFC2-A<br><b>Delivery time: 60 calendar days</b>  | <b>18 643.00</b> |
| 28.2.  |            | <i>Coupling for single-mode fiber optic with one input and two polarized outputs</i> | pcs | 1 | <ul style="list-style-type: none"><li>- Polarization preserving coupler for single mode fiber optic with one input and two polarized outputs 1x2 Polarization preserving coupler for wavelength 670nm ± 15 nm.</li><li>- Division ratio at coupler outputs: 75:25,</li><li>- 2.0 mm FC/PC connectors, with narrow type connector key</li><li>- Polarized extinction ratio ≥18 dB PER</li><li>- Insertion loss ≤2.0 dB / ≤7.0 dB</li><li>- Numerical aperture 0.12, Monomod Fiber type - PANDA or equivalent</li><li>- Optical Return Loss ≥60 dB</li><li>- Fiber cables with length 0.8 m and tolerance +0.075 m / -0.0 m</li></ul> <b>Delivery time: 60 calendar days</b>   |                  |
| <b>Lot 29 Institute of Applied Physics Laboratory Materials for Photovoltaics and Photonics, Subprogram 011201 (IV)</b>  |            |  |     |   |  |                  |
| 29.1.  |            | <i>Microobjective Set</i>  | set | 1 | <b>Microobjective 1</b> <ul style="list-style-type: none"><li>- Microscope/ infinity corrected objective,</li><li>- Achromat plane</li><li>- Numerical aperture (NA): 0,25</li><li>- Working distance: 10,6 mm</li><li>- Working spectrum: Visible light</li><li>- Magnification: 10X (when used with 180 mm tube lens)</li><li>- Effective focal length: 18 mm</li><li>- Entry pupil diameter: 9 mm</li><li>- Resolution: 1.3 μm</li><li>- Optical field number: 22</li><li>- parfocal length: 45,06 mm</li><li>- Coating plate thickness: 170 μm</li><li>- Lens thread: RMS; depth 4.8 mm</li></ul> <b>Micro Lens 2</b> <ul style="list-style-type: none"><li>- Microscope/ infinity corrected objective,</li><li>- Achromat plane</li><li>- Numerical aperture (NA): 0,4</li><li>- Working distance (WD): 1,2 mm</li><li>- Working spectrum: visible range</li><li>- Magnification: 20X (when used with 180 mm tube lens)</li><li>- Effective focal length: 9 mm</li><li>- Entrance pupil diameter: 7.2 mm</li><li>- Resolution: 0,8 μm</li><li>- Optical field number: 22</li><li>- parfocal length: 45,06 mm</li><li>- Coating slide thickness: 170 μm</li><li>- Lens thread: RMS; depth 4.8 mm</li></ul> <b>Microobjective 3</b> <ul style="list-style-type: none"><li>- Microscopic imaging objective, corrected for infinity</li><li>- Achromatic plane</li><li>- Numerical aperture (NA): 0,65</li><li>- Working distance (WD): 0,6 mm</li><li>- Working spectrum: Visible light</li><li>- Magnification: 40X (when used with 180 mm tube lens)</li><li>- Effective focal length: 4.5 mm</li><li>- Input pupil diameter: 5.9 mm</li><li>- Resolution: 0,5 μm</li><li>- Optical field number: 22</li><li>- parfocal length: 45,06 mm</li><li>- Coating plate thickness: 170 μm</li><li>- Lens thread: RMS; depth 4.8 mm</li></ul> <b>Delivery time: 60 calendar days</b> | <b>46 710.00</b> |
| <b>Lot 30 Institute of Applied Physics Laboratory Materials for Photovoltaics and Photonics, Subprogram 011201 (V)</b>   |            |  |     |   |  |                  |

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| 30.1.   | 38000000-5 | Plano-Convex Lens Set  | set | 1 | <p><b>Lens 1</b><br/>Plano-Convex lens</p> <ul style="list-style-type: none"> <li>- Diameter: Ø1" (25.4 mm)</li> <li>- Material: Glass N-BK7</li> <li>- Anti-reflection (AR) coating: 350 - 700 nm</li> <li>- Focal length: 200 mm</li> <li>- Radius of curvature: 103,0 mm</li> <li>- Center thickness: 2.8 mm</li> <li>- Edge thickness: 2,0 mm</li> <li>- Effective focal length: <math>197.5 \pm 0.5</math> mm</li> <li>- Design wavelength: 587,6 nm</li> <li>- Refractive index: 1,515 for 0,633 nm</li> <li>- Thickness tolerance: <math>\pm 0,03</math> mm</li> <li>- Diameter tolerance: <math>+0,0 / -0,1</math> mm</li> <li>- Useful aperture: &gt;90% of diameter</li> <li>- Focal length tolerance: <math>\pm 1\%</math></li> </ul> <p><b>Lens 2</b><br/>Double Achromatic (Plan-Convex Lens)</p> <ul style="list-style-type: none"> <li>- Diameter: Ø1" (25.4 mm)</li> <li>- Material: Glass N-BK7N-SSK5/LAFN7</li> <li>- Anti-reflection (AR) coating: 350 - 700 nm</li> <li>- Focal length: 200 mm</li> <li>- Back focal length: 194.0 mm</li> <li>- Design wavelength: 400 - 700 nm</li> <li>- Thickness tolerance: <math>\pm 0,03</math> mm</li> <li>- Diameter tolerance: <math>+0,0 / -0,1</math> mm</li> <li>- Useful aperture: &gt;90% of diameter</li> <li>- Focal distance tolerance: <math>\pm 1\%</math>.</li> </ul> <p><b>Delivery time: 60 calendar days</b></p> | 2 462.00  |
| <b>Lot 31 Institute of Applied Physics Mechanical Properties of Materials Laboratory "Yulia Boiarskaya", Subprogram 011201 (I)</b>                      |            |  |     |   |  |           |
| 31.1.   |            | Platinum-Rhodium thermocouple:                                     | buc | 1 | Platinum-Rhodium thermocouple: minimum length 600 mm.<br><b>Delivery time: 60 calendar days</b>  | 8 750.00  |
| <b>Lot 32 Institute of Applied Physics Mechanical Properties of Materials Laboratory "Yulia Boiarskaya", Subprogram 011201 (II)</b>                     |            |  |     |   |  |           |
| 32.1.   | 38000000-5 | Diamond indenter for nanoindentation                               | pcs | 1 | <p>Indenter with tetrahedral pyramidal diamond tetrahedral pyramidal tip, compatible with Nanovea CB500 nanoindentation plant and Nano1800 module.<br/>Equivalent to:</p>  <p><b>Delivery time: 60 calendar days</b></p>   | 41 667.00 |
| <b>Lot 33 Institute of Applied Physics, Subprogram 011202, "Tadeusz Malinowski" Physical Methods of Solid State "Tadeusz Malinowski" Laboratory (I)</b> |            |  |     |   |  |           |
| 33.1.   | 38000000-5 | Digital apparatus for melting point determination                  | pcs | 1 | <p>Digital; PID and PWM controller;<br/>Display-LCD touch screen display; RS232-USB interface; Melting curve to record automatically; Can automatically calculate the average value of initial and final melting points.<br/>Resolution- 0.1°C; Measuring range- RT(room temperature)~400°C;<br/>Temperature ramp-1°C-20°C/min; Temperature accuracy- 0.4°C(<math>\leq 200^\circ\text{C}</math>), 0.7°C(<math>&gt;200^\circ\text{C}</math>); Repeatability- 0.3°C; Power supply- AC110/220V<math>\pm 10\%</math>, 50/60HZ; Capillary dimensions- <math>\phi 1.4\text{mm}</math>(outer diameter), <math>\phi 1.0\text{mm}</math>(inner diameter), 80mm (height); Sample loading height-3~5mm;<br/><b>Delivery time: 60 calendar days</b></p>  | 54 167.00 |
| <b>Lot 34 Institute of Applied Physics Laboratory of Physical Methods of Solid-State "Tadeusz Malinowski", Subprogram 011202 (II)</b>                   |            |  |     |   |  |           |
| 34.1.   |            | Set Ultraviolet (UV) lamp with two wavelengths and viewing camera. | set | 1 | <p>Set UV lamp with viewing camera designed to observe the reactions of crystals under ultraviolet radiation Long wavelength-365nm, Short wavelength -253,7-254nm), Power- 220 - 240V/50 - 60Hz..<br/><b>Delivery time: 60 calendar days</b></p>   | 20 833.00 |
| <b>Lot 35 Institute of Applied Physics Thermal and Hydrodynamic Processes Laboratory, Subprogram 011203 (I)</b>   |            |  |     |   |  |           |

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| 35.1.  | 38000000-5 | Multimeter data collection and recording system | buc | 1 | Multimeter data collection and recording system containing a 20-channel multiplexer<br>- Voltage: 1 uV to 3000 uV with a basic DCV accuracy of 0.0025% DCV<br>Current 0.1 A to 2.7 A<br>- Resistance: 140 μΩ to 12 MΩ<br>- Capacitance: 0.63 pF to 10.0 μF<br>- Temperature measurement with thermocouples, resistance temperature detectors and thermistors from -6.0°C to 167°C<br>- 1 M measurements/s, 16-bit digitizer with storage of 7 million measurements<br>- More options for test systems with 12 plug-in switching modules and up to 20 channel capacity<br>- Multi-touch capacitive touch screen with graphical display<br>- 6 ½ digit traceable traceable multimeter with 0.0025% DCV (1 V, 10 V range) basic accuracy<br>- Standard communication LAN/LXI and USB-TMC interfaces<br>- Optional interfaces include GPIB, RS-232 and TSP-Link technology or equivalent<br>- Up to 20 channels with 2-pole thermocouple, thermistor temperature measurement<br>- Scan speeds up to 800 channels/second with solid state relay module<br>- Front panel jacks for stand-alone DMM operation<br><b>Delivery time: 120 calendar days</b><br><b>Warranty period: min 24 months</b> | 82 800.00 |
| Lot 36 Institute of Applied Physics Thermal and Hydrodynamic Processes Laboratory, Subprogram 011203 (II)  |            |   |     |   |  |           |
| 36.1.  |            | Canister  | pcs | 1 | Capacity/div: 100g/0.01g,<br>Backlit LCD display<br>Automatic shut-off after 2 minutes<br><b>Delivery time: 90 calendar days</b><br><b>Warranty: min 12 months</b>   | 292.00    |
| Lot 37 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (I)   |            |   |     |   |  |           |
| 37.1.  | 38000000-5 | Precision balance                               | pcs | 1 | Precision balance with digital display.<br>Weighing capacity: min. 3000 g.<br>Accuracy - 0.01 g.<br>Minimum weight: max 500mg.<br>Digital display with backlight.<br>Pan size [min]: 120x120mm or Ø120mm.<br>Platen material: stainless steel.<br>Calibration: internal or external (for external calibration, the set of weights must be included in the set).<br>Accessories: mains adapter. 220/240V AC/50Hz. Equipment supplied will be new, not refurbished.<br><b>Warranty: min. 1 year.</b><br><b>Delivery time: 60 calendar days</b>   | 10 000,00 |
| Lot 38 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (II)  |            |   |     |   |  |           |
| 38.1.  | 38000000-5 | Digital thermometer                             | pcs | 2 | Digital contact thermometer with probe.<br>Temperature range: -50°C to +300°C. Temperature resolution: ±0.1°C.<br>Probe length: min. 125 mm.<br>Material: stainless steel + ABS.<br>Power supply: battery included.<br>Equipment supplied will be new, not refurbished.<br><b>Warranty: min. 1 year.</b><br><b>Delivery time: 60 calendar days</b>   | 3 584,00  |
| 38.2.  |            | Portable digital analyzer                       | pcs | 1 | Portable digital analyzer pH// EC //TDS // Salinity // T.<br>Technical specifications: pH// μs/cm// ppm// ‰// °C<br>Measuring range:<br>pH: 0.00 ... +14.00; resolution: 0.01pH;<br>EC: 0 -19990 μs/cm, 0-19,9 mS/cm;<br>TDS: 0-19990 ppm, 0-19.9 ppt;<br>salinity: 0-10000ppm, 10.1-200.0ppt,<br>Temperature [min]: 0.0 ... +50.0°C.<br><b>Warranty: min. 1 year.</b><br><b>Delivery time: 60 calendar days</b>   |           |
| 38.3.  |            | Controller                                      | pcs | 1 | Programmable digital temperature controller<br>Type: On-Off/PID. Input: 1(2) channel; output: min 1 channel.Supply voltage: AC230V<br><b>Delivery time: 60 calendar days</b>   |           |
| Lot 39 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (III) |            |   |     |   |  |           |
| 39.1.  | 38000000-5 | Diode Laser Module                              | pcs | 1 | Diode Laser Module<br>Emitting power (W): min 20<br>Wavelength(nm): 455;<br>Tolerance (nm): max ±6;<br>Supply voltage: AC 100-240V, 50-60Hz].<br>Equipped with controller and power supply"<br><b>Delivered equipment will be new, not refurbished.</b><br><b>Delivery time: 60 calendar days</b>  | 20 333,00 |
| Lot 40 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (IV)  |            |   |     |   |  |           |

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| 40.1.   | 38000000-5 | <i>Thermal Imaging Chamber</i>                  | pcs | 1 | Thermal imaging camera:<br>Sensor resolution: min 300×200 pixels;<br>Frame rate: min 16Hz;<br>Temperature sensitivity: less than 50mK;<br>Maximum measurable temperature: min 400°C;<br>Minimum measurable temperature: down to -20°C;<br>Measurement error: max. ±2 °C;<br>OS compatibility: Android<br>System connector: USB-C.<br><b>Equipment delivered will be new, not refurbished.</b><br><b>Delivery time: 60 calendar days</b>  | <b>5 833,00</b>   |
| <b>Lot 41 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (V)</b>   |            |   |     |   |  |                   |
| 41.1.   | 38000000-5 | <i>Multimeter</i>                               | pcs | 1 | Clampmeter type digital multimeter.<br>Automatic range selection.<br>True RMS measurement.<br>Measurement ranges:DC Voltage: 600V; AC Voltage: 600V; DC Current: 600 A; AC Current: 600 A; Resistance: 60 MOhm. Capacitance: 60mF;<br>Temperature: - 40°C ~ 1000°C. Diode Testing.<br><b>Equipment supplied will be new, not refurbished.</b><br><b>Warranty: min. 1 year.</b><br><b>Delivery time: 60 calendar days</b>   | <b>2 333,00</b>   |
| <b>Lot 42 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (VI)</b>  |            |   |     |   |  |                   |
| 42.1.   | 38000000-5 | <i>Thermostated water bath</i>                  | pcs | 1 | Single tank water bath. Volume: 2-3 L. Material: stainless steel. Thermostat: PID microprocessor controller. Temperature range: 20-100 °C. Temperature accuracy: max. ± 1°C. Display: digital, LED. Equipped with timer.<br>Programmable temperature hold time up to 600 min. Power: max 1000W.<br><b>Warranty: min. 1 year.</b><br><b>Delivery time: 60 calendar days</b>   | <b>5 833,00</b>   |
| <b>Lot 43 Institute of Applied Physics_Laboratory of Electrophysical and Electrochemical Methods of Materials Processing "Boris Lazarenko", Subprogram 011204 (VII)</b> |            |   |     |   |  |                   |
| 43.1.   | 38000000-5 | <i>Tester for measuring internal resistance</i> | pcs | 1 | Tester for measuring internal resistance.<br>Digital sinusoidal AC meter with four wires.<br>Measuring range: min. 0.01 mOhm - 200 Ohm;<br>Minimum resolution value: 0.01.<br>Operating voltage: 0 V to 100 V DC<br>Minimum resolution value: from 0.00001 V<br>Accessories: 1 test stand with cables;<br>- 2 x test probes with cables;<br>- 2 x Kelvin test clamps with cables<br><b>Equipment supplied will be new, not refurbished.</b><br><b>Warranty: min. 1 year.</b><br><b>Delivery time: 60 calendar days</b>   | <b>3 333,00</b>   |
| <b>Lot 44 Institute of Applied Physics Semiconductor and Device Physics Laboratory, Subprogram 011207 (I)</b>   |            |   |     |   |  |                   |
| 44.1.   | 38000000-5 | <i>Mass flow regulator for gases 1</i>          | pcs | 1 | Flow (possibility of intermediate values of these is required) (values obtained for N2):<br>Min. 0,06 - 3 mln/min<br>Nom. 0,06 - 5 mln/min<br>Max. 0,06 - 9 mln/min<br>Accuracy (incl. linearit.) (based on calibration): ±0.5% (reading value (RD)) plus ±0.1% (full scale (FS))<br>Repeatability < 0,2 % RD;<br>Turndown ratio: up to 1:187.5 (1:50 in analog mode);<br>The device must be able to store a minimum of 8 calibration curves for different fluids;<br>Stabilization time maximum 2 s or less;<br>Control stability < ± ± 0,1 % FS or better<br>Operating temperature range -10 °C...+70 °C or wider<br>Zero temperature stability: < 0.05% FS/°C or better; full scale: < 0.05% RD/°C or better<br>Pressure sensitivity 0.1% RD/bar (typical N2) or better; 0.01% RD/bar (typical H2)<br>Maximum Kv: 6.6 x 10-2<br>Leak test < 2 x 10 mbar l/s He<br>Measurement/control system<br>Maximum positioning error at 90° angle to horizontal is 0.2% (at 1 bar pressure, for N2)<br>Set-up time for optimum accuracy is max. 30 min. and for ± 2% FS accuracy is max. 2 min.<br>Mechanical characteristics of the device<br>The material of which the gas-contacting components of the device are made: Type 316L stainless steel or other with comparable properties;<br>Pressure range (PN) 64 bar<br>Connections: by compression couplings: 6 mm OD compression type<br>Sealing gasket made of FKM or better materials<br>The mass of the device shall not exceed 2,0 kg<br>Degree of protection of the device according to EN 60529 or IEC 60529: IP65<br>Electrical characteristics<br>Supply voltage +15...+24 V (direct current)<br>Max. consumption | <b>120 000,00</b> |

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|   |  |     |   |  | <p>15 V - 290 mA (I/O voltage)<br/>24 V - 200 mA (I/O voltage)<br/>15 V - 320 mA (current I/O)<br/>24 V - 215 mA (current I/O)<br/>Analog output 0...5 (10) V DC or 0 (4)...20 mA (sourcing output)<br/>Digital standard for communication: RS232;<br/>Acceptable options: CANopen®, DeviceNet™, EtherCAT®, PROFIBUS DP, PROFINET, Modbus RTU, ASCII or TCP/IP, EtherNet/IP, POWERLINK<br/>Electrical connections that are present on the device:<br/>Analog/RS232- 8 DIN (male);<br/>PROFIBUS DP bus- 5-pin M12 (mother);<br/>CANopen® / DeviceNet™ - 5-pin M12 (father);<br/>Modbus-RTU/ASCII- 5-pin M12 (female);<br/>Modbus TCP / EtherNet/IP / bus: 2 x 5-pin M12 (mother) (in/out);<br/>POWERLINK (power): 8 DIN (father);<br/>EtherCAT®/ PROFINET bus: 2 x 5-pin M12 (father) (in/out); power: 8 DIN (father);<br/>The device must meet the standards:<br/>IEC 61010-1 IEC-61010-1:2010<br/><b>Equipment supplied shall be new, not refurbished.</b><br/><b>Warranty: min. 1 year.</b><br/><b>Delivery time: 120 calendar days</b></p>  |  |
| 44.2.   | <i>Mass flow regulator for gases 2</i> | pcs | 1 |  | <p>Flow rate (possibility of intermediate values is required) (values obtained for N2):<br/>Min. 4 - 200 mln/min<br/>Nom. 4 - 500 mln/min<br/>Max. 4 - 750 mln/min<br/>Accuracy (incl. linearit.) (based on calibration): ±0.5% (reading value (RD)) plus ±0.1% (full scale (FS))<br/>Repeatability &lt; 0.2% RD;<br/>Turndown ratio: up to 1:187.5 (1:50 in analog mode);<br/>The device must be able to store a minimum of 8 calibration curves for different fluids;<br/>Stabilization time maximum 2 s or less;<br/>Control stability &lt; ± ± 0,1 % FS or better<br/>Operating temperature range -10 °C...+70 °C or wider<br/>Zero temperature stability: &lt; 0.05% FS/°C or better; full scale: &lt; 0.05% RD/°C or better<br/>Pressure sensitivity 0.1% RD/bar (typical N2) or better; 0.01% RD/bar (typical H2)<br/>Maximum Kv: 6.6 x 10-2<br/>Leak test &lt; 2 x 10 mbar l/s He<br/>Measurement/control system<br/>Maximum positioning error at 90° angle to horizontal is 0.2% (at 1 bar pressure, for N2)<br/>Set-up time for optimum accuracy is max. 30 min. and for ± 2% FS accuracy is max. 2 min.<br/>Mechanical characteristics of the device<br/>The material of which the gas-contacting components of the device are made: Type 316L stainless steel or other with comparable properties;<br/>Pressure range (PN) 64 bar<br/>Connections: by compression couplings 6 mm OD compression type<br/>Sealing gasket made of FKM or better materials<br/>The mass of the device shall not exceed 2,0 kg<br/>Degree of protection of the device according to EN 60529 or IEC 60529: IP65<br/>Electrical characteristics<br/>Supply voltage +15...+24 V (direct current)<br/>Max. consumption<br/>15 V - 290 mA (I/O voltage)<br/>24 V - 200 mA (I/O voltage)<br/>15 V - 320 mA (current I/O)<br/>24 V - 215 mA (current I/O)<br/>Analog output 0...5 (10) V DC or 0 (4)...20 mA (sourcing output)<br/>Digital standard for communication: RS232;<br/>Supported options: CANopen®, DeviceNet™, EtherCAT®, PROFIBUS DP, PROFINET, Modbus RTU, ASCII or TCP/IP, EtherNet/IP, POWERLINK<br/>Electrical connections that are present on the device:<br/>Analog/RS232- 8 DIN (male);<br/>PROFIBUS DP bus- 5-pin M12 (female);<br/>CANopen® / DeviceNet™ - 5-pin M12 (father);<br/>Modbus-RTU/ASCII- 5-pin M12 (female);<br/>Modbus TCP / EtherNet/IP / bus: 2 x 5-pin M12 (mother) (in/out);<br/>POWERLINK (power): 8 DIN (father);<br/>EtherCAT®/ PROFINET bus: 2 x 5-pin M12 (father) (in/out); power: 8 DIN (father);<br/>The device must meet the standards:<br/>IEC 61010-1 IEC-61010-1:2010<br/><b>Equipment supplied shall be new, not refurbished.</b><br/><b>Warranty: min. 1 year.</b><br/><b>Delivery time: 120 calendar days</b></p> |  |
| Lot 45 Institute of Applied Physics Semiconductor and Device Physics Laboratory. Subprogram 011207 (II) |  |     |   |  |  |  |

|  |            |  |     |   |  |            |
|--|------------|--|-----|---|--|------------|
| 45.1.  | 38000000-5 | Device for optical signal modulation     | buc | 1 | <p>Technical characteristic of the optical modulator</p> <p>Diameter of the paddle disk for optical signal modulation min Ø100 mm</p> <p>Thickness of paddle disk for optical signal modulation min 0,200 mm</p> <p>Mounting base: using: M6 screws</p> <p>General characteristics</p> <p>Frequency range obtained with an inner and outer vane disk</p> <p>Inner blades 20 Hz - 1 kHz,</p> <p>Outer vanes 200 Hz - 10 kHz</p> <p>Frequency resolution:</p> <p>0.1 Hz</p> <p>Inner paddles: 10</p> <p>Outer palettes: 100</p> <p>Frequency drift &lt;20 ppm/°C</p> <p>Input and Output Connections: BNC</p> <p>Display minimum 240 x 124 Pixel LCD</p> <p>Menu Control button (or analog)</p> <p>Power Input Connections IEC Connector</p> <p>Minimum operating temperature range 10 - 40 °C</p> <p>Mass 3 kg max</p> <p>Power Supply</p> <p>Input voltage 230 VAC ± 10% Input voltage</p> <p>Frequency 50 - 60 Hz</p> <p>Input Power 20 VA Max</p> <p>Electrical fuses 125 mA @ 230 VAC</p> <p>Fuse Type IEC60127-2/III (250 V, Slo-blo Type 'T')</p> <p>Input/Output Characteristics</p> <p>TTL/CMOS input compatibility</p> <p>Input voltage range 0 - 5 V</p> <p>Input High &gt;2 V</p> <p>Input Low &lt;0.8 V</p> <p>Input Impedance 200 Ω</p> <p>TTL/CMOS Output Compatibility</p> <p>Output reference signals 0 - 5 V</p> <p>Output Impedance 200 Ω</p> <p>Load impedance min. 500 Ω</p> <p>Output reference signals Signal on the inside and outside of the modulation disk, Frequency sum/difference signal</p> <p>Communication</p> <p>USB communication port</p> <p>USB Protocol (RS232 Emulated)</p> <p>Baud Rate 115,200 (fixed)</p> <p>Data Bits 8</p> <p>Stop Bits 1</p> <p><b>Equipment supplied will be new, not refurbished.</b></p> <p><b>Warranty: min. 1 year.</b></p> <p><b>Delivery time: 120 calendar days</b></p> | 38 333,00  |
| <b>Lot 46 Institute of Applied Physics Laboratory Quantum Optics and Kinetic Processes, Subprogram 011206</b>          |            |  |     |   |  |            |
| 46.1.  | 38000000-5 | Pulsed xenon source for fluorescence     | pcs | 1 | <p>Wavelength range: 220 nm - 750 nm (inclusive)</p> <p>Pulse power: 45 µJ/pulse (maximum)</p> <p>Average power: 9,9 W</p> <p>Frequency: 220 Hz (maximum)</p> <p>Pulse time: 5 µs</p> <p>Mode : Multiple mode: up to 220 Hz</p> <p>Single mode: 1 - 220 Hz</p> <p>Lamp lifetime: at least 109 pulses (estimated 230 days continuous operation, pulse frequency 50 Hz)</p> <p>Trigger/stop input signal: TTL; 1-220 Hz or equivalent</p> <p>Trigger/switch connection: SUB-D-15 pin or equivalent</p> <p>Power consumption: 1.3 A @ 11V @ 220 Hz 100 mA @ 12V @ 10Hz."</p> <p><b>Delivery time: 60 calendar days</b></p> <p><b>Warranty: min. 1 year</b></p>  | 64 167,00  |
| <b>Lot 47 Institute of Applied Physics Laboratory Materials for Photovoltaics and Photonics, Institutional Funding</b> |            |  |     |   |  |            |
| 47.1.  |            | Thermal Evaporation Carbon Coating Plant | pcs | 1 | <p>The facility is designed to prepare samples for scanning electron microscopy (SEM) by applying a thin layer of conductive carbon to the surface of non-conductive samples. Technical specifications:</p> <p>Vacuum Pump:</p> <p>Type: oil rotary pump</p> <p>Pumping speed: min 8 m³/h (2,2 L/s)</p> <p>Maximum Evaporating Current: min 100 A</p> <p>Vacuum Pressure Limit: 2 Pa</p> <p>Working Pressure: 4-6 Pa</p> <p>Vacuum Time: &lt; 5 minutes (up to 2 Pa)</p> <p>Evaporation Chamber:</p> <p>Dimensions:min ø150 mm x 120 mm</p> <p>Material: scratch resistant quartz glass</p> <p>Evaporation Source: Carbon wire (diameter 2 - 5 mm)</p> <p>Power Supply:</p> <p>Voltage: AC 220V 50Hz</p> <p>Power consumption: &lt; 2500 W</p> <p>Accessories Included:</p> <p>Vacuum pump</p> <p>Carbon wire: min 10 m</p> <p><b>Delivery time: 60 calendar days</b></p>  | 158 333,00 |

|                       |  |  |  |  |                       |              |
|-----------------------|--|--|--|--|-----------------------|--------------|
|                       |  |  |  |  | Warranty: min. 1 year |              |
| Total estimated value |  |  |  |  |                       | 5 569 317,98 |

**9. If the contract is divided into lots one economic operator may submit a tender (to be selected):**

- 1) For a single lot;
- 2) For several lots;
- 3) For all lots;
- 4) Other limitations on the number of lots that can be awarded to the same tenderer

**10. Admission or prohibition of alternative bids: not admitted**

(indicate whether admitted or not)

**11. Delivery terms and conditions requested: *from contract signature within:***

- 30 calendar days - Lot 4, 5, 6, 7;
- 60 calendar days - Lots 1, 2, 3, 8, 9, ,10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 37, 38, 39, 40, 41, 42, 43, 46, 47;
- 90 calendar days - Lot 22, 25, 36;
- 120 calendar days - Lot 20, 21, 35, 44, 45;

at the address indicated in Annex 23.

**12. Period of validity of the contract: 31.12.2025**

**13. Procurement contract reserved for sheltered workshops or that it can only be performed under sheltered employment programs (as applicable): no**

(indicate yes or no)

**14. Is the provision of the service reserved to a particular profession by virtue of legal or administrative provisions (if applicable): no**

(indicate the legislative or administrative provisions concerned)

**15. Brief description of the criteria for the eligibility of economic operators which may lead to their elimination and of the selection criteria; minimum level(s) of requirement(s), if any; indication of the information required (DUAЕ, documentation):**

| No d/o | Description of criterion/requirement      | How to demonstrate that the criterion/requirement is fulfilled:   | Minimum level/ Mandatory |
|--------|---|---|--------------------------|
| 1      | Application for participation             | Completed in accordance with Annex 7 of the Standard Documentation, confirmed by electronic signature of the EO.  | Mandatory                |
| 2      | DUAЕ                                      | Form DUAЕ, approved by MF Order No 72/2020, completed in accordance with the attached model, confirmed by the application of the electronic signature of the EO.  | Mandatory                |
| 3      | Declaration on the validity of the tender | Completed in accordance with Annex No. 8 of the Standard Documentation, confirmed by applying the electronic signature of the SO.<br>Validity period of the tender - 60 days from the opening day of the tenders.   | Mandatory                |
| 4      | Tender security                           | <b>Form of guarantee - 1%:</b><br>a) Tender guarantee by transfer to the account of the Contracting Authority, according to the following bank details, confirmed by applying the electronic signature of the EO, as per Annex no. 9:<br>Payee: <i>IP State University of Moldova</i><br>Bank Name: <i>BC Victoriabank SA, Branch No. 17 Chisinau</i><br>Fiscal code: <i>1006600064263</i><br>IBAN:<br><i>MD25VI00000000022522517171710MDL</i><br>Bank Code: <i>VICBMD2X457</i><br>or | Mandatory                |



|   |   |  |            |
|---|---|--|------------|
|   |   | b) The offer shall be accompanied by a bank guarantee letter (issued by a licensed bank) in accordance with Annex No. 9 of the standard documentation approved by Order of the Minister of Finance No. 115 of 15.09.2021<br><i>*The validity term of the bid bank guarantee shall be equal to the validity term of the bid.</i>  |            |
| 5   | Technical specifications  | Completed in accordance with Annex No. 22, confirmed by applying electronic signature of the EO.   | Mandatory  |
| 6   | Price specifications  | Completed in accordance with Annex No 23, confirmed by application of the electronic signature of the EO.  | Mandatory  |
| Documents required by DUAЕ, according to art. 20 para. (8), Law no. 131/2015, on public procurement, the first-ranked bidder shall submit (by electronic means, with the application of electronic signature) within 3 (three) working days, the updated supporting documents, demonstrating the fulfillment of all qualification and selection criteria. |   |  |            |
| 7   | Proof of registration of the legal entity   | Registration certificate/registration decision/extract issued by the authorized body, copy electronically signed;  | Mandatory  |
| 8   | Bank account allocation certificate   | Issued by the bank holding the account, valid, original/electronically signed copy;  | Mandatory  |
| 9   | Financial Report  | Copy of the latest financial report, confirmed by electronic signature of the EO.  | Mandatory  |
| 10  | Technical Passport/Technical File/Technical Specification   | Copy confirmed by electronic signature of the EO<br><b><i>*Original Technical Passport/Technical Sheet to be submitted by the successful bidder on delivery mandatory.</i></b>   | On request |
| 11  | Declaration confirming that the manufacturer/ distributor of electrical and electronic equipment (EEE) is included in the List of manufacturers of products subject to Extended Producer Responsibility regulations   | Completed in accordance with the Regulation on Waste Electrical and Electronic Equipment, approved by GD no. 212 of 07.03.2018 - by indicating the registration number from the mentioned List of Producers.   | Mandatory  |
| 12  | Declaration on the confirmation of the identity of the beneficial owners and their non-conviction for participation in the activities of a criminal organization or group, corruption, fraud and/or money laundering. | Completed in accordance with the Form approved by MF Order no. 145 of 24.11.2020 - in original electronically signed;<br><br><b><i>*To be submitted within 5 days by the successful bidder.</i></b>  | Mandatory  |
| 13  | Minimum 3 years of specific experience in delivery of similar goods and/or services   | Declaration of the list of main deliveries/supplies carried out in the last 3 years of activity as per Annex No. 12.   | Mandatory  |
| 14  | Performance guarantee   | Transfer to the account of the contracting authority confirmed by the payment order, in the amount of 5% of the value of the proposed tender:<br>Payee: IP State University of Moldova<br>Bank name: BC Victoriabank SA,<br>Branch No. 17 Chisinau<br>Fiscal code: 1006600064263<br>IBAN:<br>MD25VI000000000022522517171710MDL<br>Bank Code: VICBMD2X457<br><b><i>*To be presented by the successful bidder at the signature of the contract</i></b> | Mandatory  |

**16. Tender deposit - 1% of the tender value excluding VAT.**

17. Contract performance guarantee - 5% of the contract value including VAT
18. Reason for use of the accelerated procedure (in the case of open, restricted and negotiated procedure), if applicable: not applicable
19. Specific award techniques and instruments (if applicable, specify whether framework agreement, dynamic purchasing system or electronic auction): electronic auction, Number of rounds - 3. Minimum step - 1%.
20. Special conditions attached to the performance of the contract (indicate as appropriate): not applicable
21. Evaluation criteria applied for the award of the contract: lowest price per lot and compliance with the requirements of the tender specifications
22. Factors for evaluating the most economically advantageous tender and their weightings: not applicable

| No d/o | Name of the evaluation factor | Weighting %<br>Weighting |
|--------|-------------------------------|--------------------------|
| -      | -                             | -                        |
| -      | -                             | -                        |

**23. Deadline for submission/opening of tenders**

- until: *[exact time]* Information can be found in the SIA RSAP
- by: *[date]* The information can be found in the SIA RSAP

**24. Address to which tenders or requests to participate must be sent:**

*Tenders or requests to participate shall be submitted electronically via the SIA RSAP*

**25. Period of validity of tenders:** *60 calendar days from the date of opening of tenders*

**26. Place of opening of tenders:** *Tenders or requests to participate must be submitted electronically via the SIA RSAP. Late tenders will be rejected.*

**27. Persons authorized to be present at the opening of tenders:**

*Bidders or their representatives are entitled to attend the bid opening unless the bids have been submitted through the "RSAP" CIS.*

**28. Language or languages in which tenders or requests to participate must be drawn up:**  
*Romanian*

**29. This contract concerns a project and/or program financed by European Union funds:** *not applicable*

*(specify the name of the project and/or program)*

**30. Name and address of the competent body responsible for settling appeals:**

*National Agency for Dispute Settlement*

*Address: mun. Chisinau, bd. Ștefan cel Mare și Sfânt nr.124 (et.4), MD 2001;*

*Tel/Fax/email: 022-820 652, 022 820-651, contestatii@ansc.md*

**31. Date(s) and reference(s) of previous publication(s) in the Official Journal of the European Union of the contract(s) concerned by the respective notice (if applicable):** OJS 111/2025  
*12/06/2025*

**32. In the case of periodic purchases, the estimated timetable for publication of future notices:**  
*not applicable*

**33. Date of publication of the notice of intention or, where appropriate, indication that no such notice has been published:** *BAP No 43 of 06.06.2025*

**34. Date of dispatch for publication of the invitation to tender:** According to the information in the 'RSAP' CIS.

**35. In the public procurement procedure will be used/accepted:**

| Name of the electronic tool                                 | Will be used/accepted or not |
|---|------------------------------|
| Electronic submission of tenders or requests to participate | Accepted                     |
| Electronic ordering system                                  | Not accepted                 |
| Electronic invoicing  | Accepted                     |
| Electronic payments   | Accepted                     |

36. The contract is covered by the Government Procurement Agreement of the World Trade Organization (only in the case of notices submitted for publication in the Official Journal of the European Union): Yes

Leader of the working group  
Pro-Rector for Economic and Financial Activity  
and International Relations



Vladimir DOLGHI