# *ANNEX II + III :* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Thematic equipment: Supply, delivery and instalation of laboratory equipment**

**AllerShield T6 – LOT 2 Binocular microscope**

**Columns 1-2 should be completed by the Project partner**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the Contractor's technical offer

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

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

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

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

The requirements set out in the technical specifications represent the minimum technical characteristics which offered goods must satisfy, unless stated otherwise, and tenderers are not allowed to modify technical specification in any way.

For each item for which it is not explicitly stated that it is allowed to offer goods of the equal characteristics, i.e. for each item where it is not stated “or equivalent”, for the purposes of this tender documentation it is assumed that words “or equivalent” are stated, and tenderer is allowed to offer equivalent goods / goods of equivalent characteristics.

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| --- | --- | --- | --- | --- | --- | --- |
| **1.**  **Item number** | **2.**  **Specifications Required** | | **3.**  **Specifications Offered** | | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation Committee’s decision (Y/N)** |
| **1.** | **Binocular microscope**  **Quantity: 1 unit**  **Minimal technical requirement:** | | **Model/Brand name: \_\_\_\_\_\_\_\_\_\_** | |  |  |
|  | **2.1** | Zoom range: min. 6.7× - 45× | **2.1** |  |  |  |
| 2.2 | Microscope head: Binocular/trinocular, 45° inclination, interpupillary distance adjustable within 51-75, 52-76 or 54 - 76 mm | 2.2 |  |  |  |
| 2.3 | Eyepieces: Wide-field, min. 10X, with diopter adjustment | 2.3 |  |  |  |
| 2.4 | Working distance: min. 100 mm | 2.4 |  |  |  |
| 2.5 | Illumination: LED illumination | 2.5 |  |  |  |
| 2.6 | Fine focus adjustment: Mechanism with adjustable tension | 2.6 |  |  |  |
| 2.7 | Additional accessories compatibility: Optional auxiliary objectives and stands | 2.7 |  |  |  |
| 2.8 | Stand: Stable, with the possibility of securing samples, with or without built-in illumination | 2.8 |  |  |  |
| 2.9 | C-mount adapter (npr. 0.5X ili 1X C-mount) | 2.9 |  |  |  |
| 2.10 | Microscope Camera (Sensor and Resolution: CMOS sensor, minimum resolution min 5 MP; Connectivity and Compatibility: USB or HDMI output, compatible with Windows operating systems, support for C-mount adapter; Software and Features: Included software for image capture, measurement, and processing, with live view capability and image parameter adjustment). | 2.10 |  |  |  |
| 2.11 | **Computer** | 2.11 |  |  |  |
|  | Type: Office Desktop computer  PC with licensed Windows 11 operating system  Monitor screen: min 24"  Monitor screen resolution: not less than (1920 x 1080)  Processor performance level: min. 5  Processor speed: min. 2.5 GHz  Number of processor cores: min. 6  RAM: min. 16 GB  Type of RAM memory: DDR4  Type of hard disc: SSD  SSD Capacity min. 480 GB  LAN (RJ45): min. 1  USB Type-A: min. 2  USB Type-C: min. 1 |  |  |  |  |
| **2.12** | **Other requirements** | **2.12** |  |  |  |
| 2.12.1 | Complete installation of instrument/equipment, qualification of equipment and software | 2.12.1 |  |  |  |
| 2.12.2 | One-year servicing ensured for at least 2 years, including checks and adjustments of key components. | 2.12.2 |  |  |  |
| 2.12.3 | Training of staff to work with the instrument in the user's laboratory, issuance of certificate after completing the training | 2.12.3 |  |  |  |
| 2.12.4 | Service provided from the territory of Bosnia and Herzegovina or region (Serbia or Croatia) | 2.12.4 |  |  |  |
| 2.12.5 | Certified service technician from Bosnia and Herzegovina or region (Serbia or Croatia), Submit the service certificate issued from the manufacturer | 2.12.5 |  |  |  |
| 2.12.6 | Certificate – authorization letter issued from the manufacturer | 2.12.6 |  |  |  |
|  | Technical documentation for equipment (Operating manuals/ Users Guide/ Equipment operating instructions/ Cleaning procedures/ Maintenance procedures/ Calibration procedures) upon delivery **in one of the official languages in BiH**.  **Compliance with standards**: The offered equipment must comply with the following standards: ISO 9001 (recommended), IEC 61010-1 (mandatory for electrical laboratory equipment), and ISO/IEC 17025 compatibility (if applicable). | |  | |  |  |
|  | The quoted price shall include goods, customs, delivery, installation, and education/training. The training shall be conducted by a certified service engineer. After the training, the certificate shall be issued.  After the equipment installation the bidder shall educate and train the users/staff to independently use the equipment, including the methods setting/developing (developed methods), making calibration curves, data processing, etc.  **The equipment maintenance plan, with precisely defined deadlines for cleaning, service and replacement of spare parts, shall be submitted**.  **The bidder shall submit procedures/deadlines for calibration/validation** (if applicable)**.** After the installation and commissioning of the equipment, the bidder shall perform the qualification/calibration/validation (IQ/OQ) of the instrument (software & hardware) using validated software and issuing a certificate/calibration documents acceptable to the BiH Institute for Accreditation (BATA) (if applicable). | |  | |  |  |
|  | **Warranty**  Tenderers must provide local reliable warranty service agent providing maintenance and the rapid supply of equipment spare parts and consumables for the  Offer must include warranty service description including:   * Service organisation contact data including name, postal address, telephone number, fax number and e-mail address; * Help Desk (phone) support, which must be available during working hours, 8AM – 6PM; * Guaranteed maximum response time to submitted maintenance support request (fax or e-mail) of 1 (one) working day; * Guaranteed that any requests for services will be attended to within 24 hours; * Guarantee that all items can be repaired or alternatively replaced within a maximum of 72 hours; * Guarantee that genuine spare parts and consumables will be available for a period of minimum 7 years from the date of final acceptance of the equipment. * The service, maintenance and repair must be available in Bosnia and Herzegovina or region (Serbia or Croatia), by an authorized equipment dealer. | |  | |  |  |
|  | **Commercial warranty:** minimum 2 year in accordance with the conditions laid down in Article 32 of the General Conditions and Article 33 of the Special Conditions.  **Detailed description of the organisation of the proposed service and description of the Manufacturer’s commercial warranty shall be included in the offer.**  **The bidder is required to submit the technical documentation of the offered equipment, with the relevant characteristics marked or highlighted to confirm compliance with the requirements specified in the technical specification.**  Delivery: Institute for Protection and Ecology of the Republic of Srpska, Vidovdanska 43, 78000 Banja Luka. | |  | |  |  |