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

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

**AllerShield T6 – LOT 4 Pollen samplers**

**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.** | **Pollen samplers**  **Quantity: 3 unit**  **Minimal technical requirement:** | | **Model/Brand name: \_\_\_\_\_\_\_\_\_** | |  |  |
|  | 4.1. | Minimum dimensions: 570x 600x 760 mm | 4.1. |  |  |  |
| 4.2. | Minimum weight of the device: 8 kg | 4.2. |  |  |  |
| 4.3. | Pump: vacuum or centrifugal, designed for sampling airborne particles, such as fungal spores and pollen, continuously for up to seven days without supervision. | 4.3. |  |  |  |
| 4.4. | Minimum air flow range: 8-12 L/min | 4.4. |  |  |  |
| 4.5. | Standard opening size according to Hirst standard: 2 mm x 14 mm | 4.5. |  |  |  |
| 4.6. | Base: aluminium | 4.6. |  |  |  |
| 4.7. | Power supply: mains 220V/12V battery or solar panel | 4.7. |  |  |  |
| 4.8. | Mandatory provision of a minimum 12-hour power supply from the internal battery (additional back-up in case of power failure) | 4.8. |  |  |  |
| 4.9. | Automatic flow monitoring using a sensor in the head of the device | 4.9. |  |  |  |
| 4.10. | Automatic detection of the presence of obstructive pollution | 4.10. |  |  |  |
| 4.11. | LED indication of possible irregularities in operation | 4.11. |  |  |  |
| 4.12. | Enabled water drainage during heavy rainfall | 4.12. |  |  |  |
| 4.13. | System for automatic recognition of blocked suction | 4.13. |  |  |  |
| 4.14. | Construction material that ensures resistance to atmospheric agents and atmospheric temperatures | 4.14. |  |  |  |
| 4.15. | The standard delivery of the device includes:   * One (1) bottle of glycerin with fuchsin, 50ml; * One (1) bottle of transparent glycerin, 50 ml; * One (1) bottle of silicone solution, 50ml; * Microscope slides: 26x76mm, box of 50 pcs.; * Cover slips: 24x50mm, box of 100 pcs.; * Pre-cut tapes for sample collection, box of 300 pcs.; * Double-sided tape, 3 roll; * Scalpel with ten blades (1 pc); * Set of spare blades, box of 10 pcs.; * Tweezers with a sharp tip. | 4.15. |  |  |  |
| 4.16. | **Each sampler** must additionally include:   * Tripod stand. * One (1) flow meter; * Three (3) additional rotary drums with a carrying box (transport case) * One (1) tape cutter; * Three (3) spare drums with a transport case. | 4.16. |  |  |  |
| 4.17. | Delivery to a suitable external location (in Banja Luka) defined by the customer and installation by an authorized service technician are included. | 4.17. |  |  |  |
| 4.18. | Warranty, Installation, and Training   * User training provided during the installation of the sampler. * Minimum warranty period of 2 years. * **One-year servicing ensured for at least 2 years.** | 4.18. |  |  |  |
| **4.19.** | **Other requirements** | **4.19.** |  |  |  |
| 4.19.1 | Complete installation of instrument/equipment | 4.19.1 |  |  |  |
| 4.19.2 | Training of staff to work with the instrument in the user's laboratory, issuance of certificate after completing the training | 4.19.2 |  |  |  |
| 4.19.3 | Service provided from Bosnia and Herzegovina. | 4.19.3 |  |  |  |
| 4.19.4 | Certified service technician from Bosnia and Herzegovina, Submit the service certificate issued from the manufacturer | 4.19.4 |  |  |  |
| 4.19.5 | Certificate – authorization letter issued from the manufacturer | 4.19.5 |  |  |  |
|  | 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, qualification (IQ/OQ) ((if applicable)) 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, commissioning and calibration/validation (IQ/OQ) ((if applicable)), the bidder shall educate and train the users/staff to independently use the equipment, including the 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, by an authorized equipment dealer. | |  | |  |  |
| **All items** | **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. | |  | |  |  |