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

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

**AllerShield T6 – LOT 3 Heating plate**

**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.** | **Heating plate**  **Quantity: 1 unit**  **Minimal technical requirement:** | | **Model/Brand name: \_\_\_\_\_\_\_\_\_\_** | |  |  |
|  | **3.1.** | Plate dimensions: Minimum 30 × 50 | **3.1.** |  |  |  |
| 3.2 | Plate material: Glass ceramic | 3.2 |  |  |  |
| 3.3 | Temperature range: Minimum 50 – 375 °C. | 3.3 |  |  |  |
| 3.4 | Temperature control: Digital PID controller with temperature adjustment in increments of at least 1°C. Must ensure temperature stability with a deviation of no more than ±2°C. | 3.4 |  |  |  |
| 3.5 | Temperature safety features: The device must have overheat protection with automatic shutdown in case of excessive heating. | 3.5 |  |  |  |
| 3.6 | Microprocessor-controlled system with dual thermocouples for accurate temperature control | 3.6 |  |  |  |
| 3.7 | Heating power: Minimum 2250 W | 3.7 |  |  |  |
| 3.8 | Control panel: Digital display with push buttons and dial for quick temperature adjustments | 3.8 |  |  |  |
| 3.9 | Hot warning indicator: Must remain active even after the device is switched off, as long as it is connected to mains power | 3.9 |  |  |  |
| 3.10 | Antimicrobial protection for increased hygiene and reduced contamination risk | 3.10 |  |  |  |
| 3.11 | Overheat protection: Independent safety circuit to prevent overheating | 3.11 |  |  |  |
| 3.12 | Power supply: 230 VAC, 50 Hz | 3.12 |  |  |  |
| 3.13 | Plug type: UE and UK | 3.13 |  |  |  |
| 3.14 | Warranty: Minimum 2 years | 3.14 |  |  |  |
| 3.15 | Complete installation of instrument/equipment, qualification of equipment and software according to the manufacturer's protocol | 3.15 |  |  |  |
| 3.16 | Training of staff to work with the instrument in the user's laboratory, issuance of certificate after completing the training | 3.16 |  |  |  |
| 3.17 | Service provided from Bosnia and Herzegovina. | 3.17 |  |  |  |
|  | 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: CE marking (mandatory), 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 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). | |  | |  |  |
|  | **Commercial warranty:** For heating plate 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. | |  | |  |  |