**ANNEX 1: TECHNICAL SPECIFICATIONS TABLE – LOT 1**

**RfQ21/02366 Procurement of forensic laboratory equipment for Law Enforcement Project** requires the delivery of the following goods as per the technical specifications.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item:** Fourier-transform infrared spectrometer microscope | | : | 1 unit | **Company name:** *(please indicate)* | |
| **Purpose:** Determines chemical composition of a sample by generating spectra for each compound. | | | | | **Brand name:** *(please indicate)* | |
| **1.** | **Composition** | | | | **Model:** *(please indicate)* | |
| (1) | FTIR Microscope (automated) | | | | *Please indicate the exact technical specifications for the offered equipment* | |
| **1-1** | **Accessories** | : | Support for fixing samples |  | |
| : | Support that can be tilted using adjustable screws to allow the inclined surfaces of the sample to be corrected. |  | |
| : | Macro unit to accommodate standard FTIR accessories for measuring large samples |  | |
| : | Transmittance accessories for liquid and solid samples |  | |
| : | Any other accessory which is required for installation and operation should be included and described on your offered specification |  | |
| **2.** | **Specifications** | | | |  | |
| **-** | Interferometer | : | permanently aligned or dynamic alignment system |  | |
| **-** | Beamsplitter | : | ZnSe or other material resistant to moisture |  | |
| **-** | Spectral range | : | 7000 - 600 cm-1 or wider |  | |
| **-** | Software controlled | : | motorized ATR objective, condenser, polarizer, stage, aperture, focus |  | |
| **-** | Sampling techniques | : | ATR, transmission, reflection |  | |
| **-** | Mapping and imaging | : | Automated |  | |
| **-** | ATR crystal material | : | Ge and Diamand |  | |
| **-** | ATR pressure sensor with automatic pressure control | : | equipped |  | |
| **-** | Measuring sample height | : | min 30 mm |  | |
| **-** | Spectra database | : | at least 20 000. Spectral library for substances will include spectra of substances as: Organics, Inorganics, Polymers and Additives, Dyes and Pigments, Pesticides, Lubricants, Fibers, Coatings, Suspect Powders, Pharmaceuticals, Art Materials, Agrochemicals, Drugs, Solvents, Explosives etc. |  | |
| **-** | Detector type | : | MCT with thermoelectric or cryogenic (liquid nitrogen) cooling |  | |
| **-** | Hardware validation program | : | Automated and in compliance with: Japanese and European Pharmacopoeia methods |  | |
| **-** | Connectivity to PC | : | equipped |  | |
| **-** | Integrated software for the acquisition, processing, evaluation and reporting of spectroscopic data | : | equipped |  | |
| **-** | Software compatible with Windows 10 OS | : | equipped |  | |
| **3.** | **General Requirements** | | | |  | |
| **-** | ~~Manufacturer ISO 13485~~ | ~~:~~ | ~~yes~~ |  | |
| **-** | ISO 9001:2015 | : | yes |  | |
| **-** | CE Certificate of Compliance | : | yes |  | |
| **-** | Manufacturer's Authorization Form | : | yes |  | |
| **-** | Authorized Service Center in the R. of Moldova or neighbouring countries | : | yes |  | |
| **-** | Equipment assembly, installation and commissioning on site at beneficiary location | : | yes |  | |
| **4.** | **Warranty** | | | |  | |
| **-** | Main unit: minimum 12 months | : | yes |  | |
| **-** | Laser: minimum 24 months | : | yes |  | |
| **-** | Source: minimum 36 months | : | yes |  | |
| **5.** | **Training** | | | |  | |
| **-** | Training in Romanian or Russian language at the beneficiary site for 3 persons | : | yes |  | |
| **-** | Training certificate issued for 3 persons | : | yes |  | |
| **6.** | **Documentation** | | | |  | |
| **-** | User’s manuals, preferable in Romanian or Russian language (optional English) | : | yes |  | |
| **-** | Maintenance manual, preferable in Romanian or Russian language (optional English) | : | yes |  | |

**Delivery Requirements**

|  |  |
| --- | --- |
| **Delivery Requirements** | |
| **Delivery date and time** | Bidder shall deliver the goods in maximum 90 calendar days after Contract signature |
| **Delivery Terms (INCOTERMS 2020)** | DAP |
| **Customs clearance**  **(must be linked to INCOTERM)** | Not applicable |
| **Exact Address(es) of Delivery Location(s)** | 10, Putna street (former 10, V.L.Komarov), Chisinau, Republic of Moldova (Forensic and Judicial Expertise Center) |
| **Warranty Period** | According to Technical specifications table |
| **After-sales service and local service support requirements** | Not applicable |