**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**

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| --- |
| **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)** | [x]  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** | [x]  According to Technical specifications table |
| **After-sales service and local service support requirements** | [x]  Not applicable  |