**DESCRIPTION OF THE OBJECT OF THE CONTRACT**

(technical specification)

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| Concerning: | the procedure entitled: „***Delivery of two automatic bioaerosol detectors with an atomizer, along with data management and visualization software, 2 years of user support and device servicing”*** |

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| **Detailed range of minimum technical parameters required by the Contracting Authority** | | **Conformity of the features required with the features offered by the Contractor**  (To be filled inby the **Contractor**, by indicating **YES** or **NO**  (as appropriate, e.g. for the answer YES: YES/~~NO~~ or **YES**/NO)  **and in the blank space the Contractor shall clearly specify the parameters of the equipment/device/subassembly offered by him/her** |
| **AUTOMATIC BIOAREOSOL DETECTOR WITH A NEBULIZER – 2 PCS.** | | |
| **General requirements** | * Detection based on holography methods | YES / NO |
| * The instrument must be equipped with an atomizer for expanding the database and teaching the recognition of new taxons | YES / NO |
| * The instrument must use a particle recognition algorithm based on artificial intelligence methods **(VGG 16)** | Recognition algorithm:  **……………………………** |
| **Time resolution of detection** | At least 1 hour | Detection time resolution:  **………… h** |
| **Minimum range of recognized particles** | alnus, betula, carpinus, corylus, fagus, fraxinus, pinaceae, platanus, poaceae, populus, quercus, taxus, ulmus | Recognized particles:  **……………………………** |
| **Functionality** | * Initial data, enabling monitoring to begin once the instrument is installed | YES / NO |
| * Access to the software code, allowing extension of the algorithms towards recognition of other taxa | YES / NO |
| * Software for management and visualization of measurement data | YES / NO |
| **Meteorological shield** | Detector installed in a weatherproof enclosure | YES / NO |

**ATTENTION!**

**The Contractor in *Appendix No. 1 to the ToR - Offer form* clearly defines the offered device by indicating the manufacturer and model/type.**

**The document must be submitted together with the offer**

***The document must be signed with a qualified electronic signature, a trusted signature or a personal signature by a person or persons authorized to represent the Contractor / Contractors jointly applying for the award of the contract.***