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

**Contract title:** **Upgrading of IT infrastructure for IT systems in Phytosanitary Information System**

**Publication reference:** **EC-ENEST/TGD/2025/EA-LOP/0096**

**Columns 1-2 should be completed by the contracting authority**

**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 contracting authority 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.

***Unless otherwise specified, the requirements in these Technical Specifications are presented as a minimum standard that the offered goods must meet.*** ***Any features superior to the minimum specifications or additional features offered should be clearly identified in the tenderer’s offer.***

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| **1** | **Desktop computer**  **Quantity: 43** |  |  |  |
| **1.1** | Form factor: All-in-One |  |  |  |
| **1.2** | Monitor: 23.8", Full HD (1920 x 1080), IPS, anti-glare, Low Blue Light |  |  |  |
| **1.3** | Processor:   * Architecture: x86-64 or ARM-based * Cores & Threads: minimum 12 cores, minimum 14 threads * Maximum Turbo Frequency: minimum 4.5 GHz * Launch date: 1st quarter of 2024 or later |  |  |  |
| **1.4** | Memory:16GB DDR5 - 5200 or LPDDR5X support |  |  |  |
| **1.5** | Storage: SSD 512GB |  |  |  |
| **1.7** | Graphics: Integrated GPU or optional discrete graphics support |  |  |  |
| **1.8** | Internal speaker, combo microphone/headphone jack |  |  |  |
| **1.9** | Operating system: Windows 11 Pro64 bit licenced |  |  |  |
| **1.10** | Peripherals: Mouse, keyboard – same as PC manufacturer web cam |  |  |  |
| **1.11** | Ports: 1 USB Type-C, min 2 USB Type-A, 1 RJ-45, 1 HDMI or/and DisplayPort, |  |  |  |
| **1.12** | Network: Integrated GbE, Wi-Fi6 +BT 5.3 WLAN |  |  |  |
| **1.13** | All-in-one, PSU ENERGY STAR Certified |  |  |  |
| **2** | **Laptop**  **Quantity: 31** |  |  |  |
| **2.1** | Processor:   * Architecture: x86-64 or ARM-based * Cores & Threads: minimum 12 cores, minimum 14 threads * Maximum Turbo Frequency: minimum 4.3 GHz |  |  |  |
| **2.2** | Memory: 16GB DDR5 or LPDDR5X |  |  |  |
| **2.3** | Storage: 512TB SSD |  |  |  |
| **2.4** | Display: 14" 1920x1200, IPS |  |  |  |
| **2.5** | Operating system: Windows 11 Pro 64 bit |  |  |  |
| **2.6** | Graphics: Integrated GPU |  |  |  |
| **2.7** | Audio: 2 speakers |  |  |  |
| **2.8** | Integrated front camera full HD, mic |  |  |  |
| **2.9** | Ports: 2 USB 3.2 tip A, 1 Ethernet LAN (RJ-45), 1 HDMI or display port, 1 Thunderbolt 4, 1 USB type C |  |  |  |
| **2.10** | Keyboard: Backlit, SRB |  |  |  |
| **2.11** | Lithium-ion (Li-Ion) battery with the minimum autonomy of 12 hours, USB-C or equivalent AC Adapter, ENERGY STAR Certified |  |  |  |
| **2.12** | TPM 2.0 |  |  |  |
| **3** | **Tablet**  **Quantity: 31** |  |  |  |
| **3.1** | OS: Android or iPadOS |  |  |  |
| **3.2** | Memory: 8 GB |  |  |  |
| **3.3** | Storage: 128 GB |  |  |  |
| **3.4** | Display: minimum 10" |  |  |  |
| **3.5** | WiFi: Yes |  |  |  |
| **3.6** | Battery: 7000 mAh |  |  |  |
| **3.7** | Front and rear camera |  |  |  |
| **3.8** | Bluetooth, gps. Mic, speakers stereo, wifi, phone jack output, |  |  |  |
| **4** | **Colour Multifunctional Printer A3/A4**  **Quantity: 1** |  |  |  |
| **4.1** | Min 25 ppm A4 black and white |  |  |  |
| **4.2** | Min 25 ppm A4 colour |  |  |  |
| **4.3** | Min 12 ppm A3 black and white |  |  |  |
| **4.4** | Min 12 ppm A3 colour |  |  |  |
| **4.5** | Cassette capacity: minimum 650, maximum 1150 or more sheets |  |  |  |
| **4.6** | Copy and scan resolution: min 600 x 600 dpi |  |  |  |
| **4.7** | Print resolution: min 1200x1200 dpi |  |  |  |
| **4.8** | Hard drive capacity: 32GB |  |  |  |
| **4.9** | RAM: 4 GB |  |  |  |
| **4.10** | Display: min 10″ Color Touch Screen |  |  |  |
| **4.11** | Document feeder capacity: min 100 sheets |  |  |  |
| **4.12** | Scan speed: min 80, ipm |  |  |  |
| **4.13** | Monthly Duty Cycle: max 75 000 sheet |  |  |  |
| **4.14** | IEEE802.11 a / b / g / n / ac, LAN port, USB 2.0, USB 3.0, 10Base-T |  |  |  |
| **4.15** | Network protocols: TCP / IP (IPv4, IPv6) |  |  |  |
| **4.16** | Warm up time: 20 seconds |  |  |  |
| **5** | **Multifunction Monochrome Printer A4**  **Quantity: 31** |  |  |  |
| **5.1** | Functionality: Print, copy and scan A4 |  |  |  |
| **5.2** | Black and white |  |  |  |
| **5.3** | Print resolution: 1200x1200 dpi |  |  |  |
| **5.4** | Print speed: 40 ppm |  |  |  |
| **5.5** | Copy speed: 40cpm |  |  |  |
| **5.6** | Display type: Colour Touch Screen |  |  |  |
| **5.7** | Recommended Duty Cycle: 750 to 4000 pages |  |  |  |
| **6** | **Ink Jet Colour Mobile Printer**  **Quantity: 31** |  |  |  |
| **6.1** | Functionality: print A4 |  |  |  |
| **6.2** | Technology: Ink Jet, Colour |  |  |  |
| **6.3** | Print speed AC Power: black 6 ppm |  |  |  |
| **6.4** | Print Speed AC Power: colour: 3 ppm |  |  |  |
| **6.5** | Connectivity: WiFi |  |  |  |
| **6.6** | Monthly page volume: min 200 pages |  |  |  |
| **6.7** | Print resolution colour: 4800 x 1200 dpi |  |  |  |
| **6.8** | Display: minimum 1.44" |  |  |  |
| **7** | **Scanner with Automatic Document Feeder**  **Quantity: 2** |  |  |  |
| **7.1** | Feeder: Automatic |  |  |  |
| **7.2** | Functionality: Duplex Scanning |  |  |  |
| **7.3** | Scanner speed: min 35 ppm |  |  |  |
| **7.4** | Resolution: 600 x 600 dpi |  |  |  |
| **7.5** | ADF capacity: 100 sheets |  |  |  |
| **7.6** | USB 2.0, Ethernet interface (1000 Base-T/100-Base TX/10-Base-T), USB 2.0 |  |  |  |
| **7.7** | IPV4, IPV6 |  |  |  |
| **7.8** | Power: AC 100v -240v |  |  |  |
| **8** | **Flatbed scanner**  **Quantity: 20** |  |  |  |
| **8.1** | Format: A4 |  |  |  |
| **8.2** | Resolution: 1200 x 1200 dpi |  |  |  |
| **8.3** | Connectivity: USB 3.0 Type-B |  |  |  |
| **8.4** | Scan speed: min 25 ppm |  |  |  |
| **8.5** | Light source: RGB LED |  |  |  |
| **8.6** | Daily working maximum: 3500 pages |  |  |  |
| **8.7** | ADF capacity: min 50 sheets |  |  |  |
| **9** | **USB Digital Video Microscope**  **Quantity: 31** |  |  |  |
| **9.1** | Magnification: min 300x |  |  |  |
| **9.2** | Screen: min 10", High Definition |  |  |  |
| **9.3** | Connectivity: 1 x USB Type C port and 1 x HDMI port |  |  |  |
| **9.4** | Display stand: Yes, adjustable |  |  |  |
| **9.5** | Video resolution: minimum 1080p |  |  |  |
| **10** | **Handheld GPS**  **Quantity: 31** |  |  |  |
| **10.1** | Soft Case (protection case) |  |  |  |
| **10.2** | Support for satellite: min GPS, GLONASS |  |  |  |
| **10.3** | Screen diagonal: minimum 2.2’’ |  |  |  |
| **10.4** | Resolution: 240 x 320 |  |  |  |
| **10.5** | Internal memory: 8 GB |  |  |  |
| **10.6** | Battery duration: 16h |  |  |  |
| **11** | **Handheld Bar Code Reader**  **Quantity: 31** |  |  |  |
| **11.1** | Wireless |  |  |  |
| **11.2** | Barcode Types: 1D, 2D reader |  |  |  |
| **11.3** | Sensor: CMOS |  |  |  |
| **11.4** | Battery duration: 16h |  |  |  |
| **12** | **General requirements** |  |  |  |
| **12.1** | **Training**  Training will be carried out at the delivery places of the equipment (Item N° 9 and N° 10), and it will cover training in instrument operation, including operation tasks, with special emphasis on the use of software.  Number of Participants: 10 persons  Duration: 1 days |  |  |  |
| **12.2** | **Standard Warranty**  One year after provisional acceptance in accordance with the conditions laid down in Article 32 of the General Conditions. |  |  |  |
| **12.3** | **Commercial Warranty**  Minimum duration of 2 years.  Tenderer must provide a detailed description of the organisation of the proposed service (e.g. name of the authorised service provider) in accordance with the conditions laid down in Article 32 of the General Conditions and Article 32 of the Special Conditions. |  |  |  |

**Appendix 1: Distribution list**

**Upgrading of IT infrastructure for** **IT systems in Phytosanitary Information System**

|  |  |  |
| --- | --- | --- |
| **Item number and title** | **Quantity** | **Place of acceptance** |
| Item N° 1: Desktop Computer | 43 | Administration for Food Safety, Veterinary and Phytosanitary Affairs of Montenegro  Phytosanitary sector  Adress: Serdara Jola Piletica 26,  81000 Podgorica, Montenegro |
| Item N° 2: Laptop | 31 |
| Item N° 3: Tablet | 31 |
| Item N° 4: Colour Multifunctional Printer A3/A4 | 1 |
| Item N° 5: Multifunction Monochrome Printer A4 | 31 |
| Item N° 6: Ink Jet Colour Mobile Printer | 31 |
| Item N° 7: Scanner With Automatic Document Feeder | 2 |
| Item N° 8: Flatbed Scanner | 20 |
| Item N° 9: USB Digital Video Microscope | 31 |
| Item N° 10: Handheld GPS | 31 |
| Item N° 11: Handheld Bar Code Reader | 31 |