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

**Contract title: Supply of Workstation for the purposes and functioning of the scientific laboratories of the BLUE GROWTH Research centre at Trakya University**

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**Publication reference:** CB005.3.12.001 – PP2 – Supply 3

**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.

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
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| **1.** | Workstation:  **1.1 Work station computer:**  The System must Supports min 2.1GHz, (3.7GHz Turbo, 24Core, 10.4GT/s 3UPI, 35.75MB, HT (150W) DDR4-2933) processors,  The System must Supports minimum 48GB, 4DP, VirtualLink Video Card  Minimum 256GB 16x16GB DDR4 2666MHz RDIMM ECC Memory modules ,  The System must supports (M.2 PCIe SSD) + SATA/SAS HDD/SSD with RAID 0,1,5,10 and compatible Drive controller  The System must have at least 2 TB SSD Solid State Drive or SATA Class 20 Solid State Drive,  The System must Supports RAID 0 for SATA/SAS Hard Drives/Solid State Drives,  The System must have Compatible Keyboard and Mouse,  The System must have 6 Standard Fans,  The System must have Dual Non Redundant Power Supplies min 1100W,  The System must have Systems Management Software,  The System must have PCIe SSD x8 LP Card, 256GB PCIe NVMe Class 40 Solid State Drive,  The system must have 2 USB 3.2 Type A, 4 RJ45 Network. 1 Serial, 1 RJ45 1 A VGA Inputs.  **1.2 Monitor Specification:**  Size Range: 25 – 27 inch  Backlight: IPS LED or equivalent  Panel Type: IPS or equivalent  Connectors: “1 x Thunderbolt 3  1 x USB-C x2 (In x1, Out x1)  1 x HDMI(v2.0a)  1 x DisplayPort 1.2  2 x HDMI(v1.4)  Speakers: Yes  Hard Glass: No  Touchscreen: No  Resolution: min 2160 x 1440  Contrast Ratio: min “100,000,000:1”  Aspect Ratio: 16:9  Response Time: 5ms  Max Refresh Rate: 60Hz  Brightness: 400 cd/m2  Viewing Angle: min 178/178 (H/V)  Display Colours: 16.7M  Security Enabled: security lock systems  **1.3 Control Computer**  PROCESSOR min 2.0 GHz base frequency, up to 4.4 GHz with Turbo Boost Technology, 16 MB L3 cache, 8 cores  GRAPHICS Integrated  DISPLAY 27" diagonal FHD, IPS, BrightView, WLED-backlit, three-sided micro-edge, touch screen, 250 nits, 72% NTSC (1920 x 1080) or equivalent  MEMORY 16 GB DDR4-2933 SDRAM (2 x 8 GB)  MAXIMUM MEMORY Upgradeable to 16 GB  MEMORY SLOTS 2 SODIMM  min STORAGE 2 x 256 GB SSD  SECONDARY STORAGE 1 TB 7200 rpm SATA  MEMORY CARD DEVICE 3-in-1 memory card reader  NETWORK INTERFACE Integrated 10/100/1000 Gigabit Ethernet LAN  WIRELESS TECHNOLOGY Wi-Fi 5 (2x2) and Bluetooth  POWER SUPPLY 150 W Smart AC power adapter  EXTERNAL I/O PORTS Side:1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo  Rear:3 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-C 5Gbps signaling rate  EXPANSION SLOTS 2 M.2 (1 for SSD, 1 for WLAN)  VIDEO CONNECTOR 1 HDMI-out; 1 HDMI-in  WEBCAM min 5 MP privacy camera with integrated quad array digital microphone  AUDIO Audio integrated  ENERGY EFFICIENCY ENERGY STAR certified;  SPECIAL FEATURES Tilt: -5° forward to 25° back  Wireless Mouse  Wireless keyboard |  |  |  |
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