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

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**Contract title: IT and video conference equipment for project offices**

**Publication reference:** 2020/421-644/3.2.1-2

**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.

**General requirements for all lots:**

1. The offeror has to include in price on job training for the project team regarding operation and maintaining of the proposed equipment
2. The proposed equipment has to be energy efficient
3. The indicated below technical requirements indicate the minimum quality criteria which offerors should propose. The offerors can propose equipment with better or higher parameters.

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| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Quontity** | **4.**  **Specifications offered** | **5.**  **Notes, remarks,**  **ref to documentation**  **(Producer, Country of origin)** | **6.**  **Nota comitetului de evaluare** |
| **1** | **Lot 1. Computer Equipment and software** |  |  |  |  |
| **1.1** | **TABLET:**  Network Technology: GSM / HSPA / LTE, , Glass front, aluminum back, aluminum frame, Nano-SIM, Stylus support, Size min.10”, Resolution min.1200 x 2000 pixels, Chipset min.Exynos 9611or better,, Card slot: microSD(dedicated slot), Internal memory 64GB, 4GB RAM,  Main Camera Single 8 MP, (wide), 1/4.0", 1.12µm or better, Features HDR, panorama, stereo speakers, 3.5mm audio jack, Wi-FiBluetooth min. 5.0, Battery: min.7000 mAh, Fast charging at least 15W, Warranty min. 24 months  Case with rigid back shell, eco-leather covering and soft, anti-scratch interior. The front cover must turn into a practical and convenient stand so that you can write, browse and look at the screen | 9 unit. |  |  |  |
| **1.2** | **Notebook 1**  min 15’’ max. 16” IPS FHD (1920x1080) Non-glare, AMD Ryzen 7 4700U or better 16Gb RAM at least, SSD 512GB at least,HDMI, Gbit Ethernet, 802.11ax, Bluetooth, at least 1 USB-C port, 2x USB 3.2 or better ports,HD Webcam, Fingerprint,, at least 45Wh Battery, Illuminated Keyboard, max. 1.7kg, incl. Wireless Keyboard & Mouse kit and carry bag  + Windows 10 Pro 64Bit Eng  + Office Home and Business 2019  Warranty min. 24 months | 4 unit. |  |  |  |
| **1.3** | **Monitor 27”**  IPS, minimum 2560 x 1440 pixels, 250cd or better, HDMI+VGA  Warranty min. 24 months | 2 unit. |  |  |  |
| **1.4** | **Notebook 2**  Min 13 -max 14'', 2560x1600 Retina, Apple M1 processor, 8Gb RAM, SSD 256Gb, Mac OS Big Sur, + Office Home and Business 2019, incl. Wireless Mouse and carry bag  Warranty min. 24 months | 2 unit. |  |  |  |
| **1.5** | **Notebook 3**  IPS min 15’’ max. 16” AG (Intel® Core™ i5-1135G7, 16GB RAM, SSD M.2256GB at least, Backlit KB, Ethernet Battery at least 60Whr, HD Webcam, Wi-Fi6 2x2 802.11ax+BT 5.1, CR, FPR, TB4, RJ-45, Win 10Pro) + Office Home and Business 2019, incl. Wireless Mouse and carry bag  Warranty min. 24 months | 2 unit. |  |  |  |
| **1.6** | **Notebook 4**  IPS min 13” max 14” AG (Intel® Core™ i5-1135G7, 16 GB RAM, SSD M.2256GB at least, Backlit KB, Ethernet Battery at least 60Whr, HD Webcam, Wi-Fi6 2x2 802.11ax+BT 5.1, CR, FPR, TB4, RJ-45, Win 10Pro) + Office Home and Business 2019, incl. Wireless Mouse and carry bag  Warranty min. 24 months | 2 unit. |  |  |  |
| **1.7** | **Affinity Photo - one time payment** | 2 unit. |  |  |  |
| **1.8** | **Bitdefender Win / MAC device license** | 6 unit. |  |  |  |
| **2.** | **Lot 2.**  **Audio-video conference system (local and online) integrated** |  |  |  |  |
| **2.1.** | **CONFERENCE SYSTEM CONTROL UNIT**  Full Digital Networked DSP Conference  Processor  One CAT5e cable to transmit up to 64 channels audio and other signals  The microphone sensitivity of each unit and 16 level equalizer EQ can be adjusted independently  The 16-level equalizer EQ to achieve sound or the whole conference field adjustment, limiter to prevent the sound suddenly become loud or low; noise gate of human voice can be identified; support AGC/AFC/ Mix (Automix) technology  Interfaces  Front panel USB recording interface  3.5mm headphone for monitoring  1x RCA audio input  1x XLR audio input  1x RCA audio output  1x XLR audio output  6x Phoenix interface audio output  2x RJ45 digital audio connection  2x RJ45 for chairman unit, delegate unit,  translator’s unit and other connections  1x RJ45 for wireless AP or router  1x DP9 male interface for external control  1x DP9 female interface for camera  1x three-pin phoenix interface for camera  control keyboard  1x RJ45 for computer connection or network switcher  1x grounding screw  1x 240V DC Power Interface  Technical Parameters  Power 220V AC  Static power consumption 12W  Maximum power consumption 150W  Frequency Response 20Hz ~ 20KHz  Noise ratio (S / N)> 80dB  Total harmonic distortion <0.05%  Channel Crosstalk> 80dB  Rack mountable  Warranty min. 12 months | **2 unit.** |  |  |  |
| **2.2.** | **Wired Digital Discussion Interpretation Chairman unit with microphone**  Gooseneck microphone at least 410mm length  Control & Indicators  Each unit with two-color LED indicator on microphone, red for speaking  128x32 OLED display with volume bar, clock, time span of microphone activating, interpretation channels and language, MIC ON/OFF etc. and other information.  2 groups of channels selecting buttons  MIC ON/OFF buttons with indicators  Chairman unit with priority button and consent button for the delegates  Interfaces  Pluggable microphone base  2x 3.5mm stereo headphone jack  1x 3.5mm stereo input jack  2x RJ45 connectors  Technical Parameters  Button: Touchable interface, no physical buttons  Sound Pickup: heart type capacitance  Display: OLED display 128 × 32  Sensitivity: -46 dBV / Pa  Maximum power consumption: 2.0W  Directivity: 0 ° / 180 °> 20 dB (1 kHz)  Headphone load: 16Ω  headphone volume: 10mW  Headphone jack: 3.5mm stereo  Input impedance: 2kΩ  Frequency response: 20 ~ 20000Hz  Connection: CAT5 / CAT6 cable + snap  Equivalent noise: 20dBA (SPL)  Main material: ABS  The maximum sound pressure: 125dB (THD <3%)  Weight: max 1.1kg (with microphone)  Warranty min. 12 months | **2 unit.** |  |  |  |
| **2.3.** | **Wired Digital Discussion Interpretation Delegate unit with microphone**  Gooseneck microphone at least 410mm length  Control & Indicators  Each unit with two-color LED indicator on microphone, red for speaking, green means need acceptance from chairman to speak  128x32 OLED display with volume bar, clock, time span of microphone activating, interpretation channels and language, MIC ON/OFF etc and other information.  2 groups of channels selecting buttons  MIC ON/OFF buttons with indicators  Interfaces  Pluggable microphone base  2x 3.5mm stereo headphone jack  1x 3.5mm stereo input jack  2x RJ45 connectors  Technical Parameters  Button: Touchable interface, no physical buttons  Sound Pickup: heart type capacitance  Sensitivity: -46 dBV / Pa  Maximum power consumption: 2.0W  Directivity: 0 ° / 180 °> 20 dB (1 kHz)  Headphone load: 16Ω  headphone volume: 10mW  Headphone jack: 3.5mm stereo  Input impedance: 2kΩ  Frequency response: 20 ~ 20000Hz  Connection: CAT5 / CAT6 cable + snap  Equivalent noise: 20dBA (SPL)  The maximum sound pressure: 125dB (THD <3%)  Weight: max 1.1kg (with microphone)  Warranty min. 12 months | **20 unit.** |  |  |  |
| **2.4.** | **Wired Digital Interpreter unit with microphone**  64 channels interpreter desk that enables direct and relay interpretation Digital audio technology, built-in high-speed DSP processing. Hot plug and play, Removable microphone. The volume of Loudspeaker and headphone jack support separated adjustment.  2 interpreters can connect alternatively. Powered by conference control unit  LCD min. 320 × 64 display  Power consumption - 3W  Microphone - Electret-condenser  Polar pattern - Unidirectional  Sensitivity - -46dBV/pa  Frequency response - 20Hz~20KHz  Input impedance - 2.2kOhm  Frequency Response - 30~20KHZ  Earphone load - >8ohm  Earphone volume - 10mW  Directivity 0°/180° - > 20 dB (1 kHz)  Equivalent noise - 20 dBA (SPL)  Maximum sound pressure level - 125 dB  (THD<3%)  Connector - 2 x Ø 3.5 mm earphone jack, 2 x Ø 3.5 mm Microphone jack,2xRJ45  port,1x2.5mm adapter port  Warranty min. 12 months | **2 unit.** |  |  |  |
| **2.5.** | **HEADSETS for participants**  High quality headset for chairman/delegate to listen the sound from unit directly  Unit Interface Dual Channel Plug  Frequency Response 80Hz – 2KHz  Sensitivity 90dB  Signal to noise ratio > 80dB  Distortion < 0.1dB  Impedance 32 Ω  Dynamic range > 85 dB  Output power 100mW | **42 unit.** |  |  |  |
| **2.6.** | **HEADSETS for interpreter**  High quality headset for interpreter to translate, with MIC input  Listen and speak in the conference.  Avoid being interfered in conferences.  40mm advanced speaker.  Build-in 2.2meter cable.  Hi-fi audio quality.  32 Ω, 3.5mm monophonic plug. | **4 unit.** |  |  |  |
| **2.7.** | **PTZ CONFERENCE CAMERA**  PTZ, 20x optical zoom, USB3.0 can connect PC to use video conference software – ZOOM, Skype, Teams, HDMI, LAN, Mount  H.265 encoding support, can realize full HD 1080p / 60fps video streaming.  Supports AAC audio coding  supports a local storage module, without NVR recording directly to the local USB flash drive.  HDMI, SDI, and network can be output simultaneously. It also supports the CVBS interface.  All the parameters of the camera must be remote controlled by the high-speed communications.  Must have the possibility to interconnect with microphone conference system, presetting the camera to turn and zoom based on the last microphone which is turned ON  Warranty min. 12 months | **2 unit.** |  |  |  |
| **2.8.** | **POWER AMPLIFIER**  Output power – min. 120 W.  Inputs : min. 4 x balanced combi XLR, 1 x stereo RCA  Outputs: min. 4 x phoenix, 1 x stereo RCA  Frequency response – min. 50 Hz - 15 kHz  THD – max. 2% la 1kHz rated power  S/N ratio – min. 70 Db  Phantom power output.  rack mountable  can use speakers: 4Ohm, 25V, 70V or 100V  Each input and master volume control  Weight. Min. 9kg, max. 10kg.  Warranty min. 12 months | **2 unit.** |  |  |  |
| **2.9.** | **SPEAKERS**  Rated power – min.35 W (8 Ω)  Transformer power taps - 30 W/16 W/8 W/4 W/8 Ω  Sensitivity - 89 dB (1 W/1 m)  Frequency response - 120 Hz – 20 kHz  Maximum SPL - 109 dB (Pmax/1 m) at 5573 Hz  Driver dimensions - 5" woofer , 1" tweeter  Wall mount included | **8 unit.** |  |  |  |
| **2.10** | **MIXING PREAMPLIFIER**  Rack Mountable, max. 1U  Inputs: at least 6 x universal combo XLR, 3 x stereo RCA  Outputs: at least 1 x balanced stereo XLR, 1 x stereo RCA, 2 x 6,3 mm TRS jacks  Frequency response: 20 Hz - 22 kHz  THD: max.0,03 % @ 1 kHz  Phantom power output  Warranty min. 12 months | **2 unit.** |  |  |  |
| **2.11.** | **RACK 15U**  19" floor telecommunication cabinet, min.15U, 600х600, with glass door, key locks on all openable doors, power sockets – min. 8 Schuko, 2 shelves, 1\* fan block | **2 unit.** |  |  |  |
| **2.12.** | **INTERACTIVE TOUCHSCREEN 86” kit type 1**  IFPD minimal requirements:  Panel Type - IPS-ADS  Panel active screen area – min. 1895 x 1066 mm  Display aspect ratio - 16:9  Display native resolution – min.3840 x 2160 pixels - 4K Ultra High Definition  Brightness (typical) – min.400 cd/sm  Response time (typ.) – max.8ms  Glass – at least 4 mm Hardened Anti-Reflection Safety Glass (MOHS 7)  Life time – min.50 000 hours  Integrated loudspeakers – min.2 x 16 Watt  Zero air gap  CONNECTIVITY  Digital audio-video inputs – min.4x HDMI 2.0  Digital audio-video output – min.1x HDMI 2.0  Analog audio-video inputs – min.1x VGA (DE-15 male) + audio jack (3.5 mm TRS connector)  Analog audio output – min.1x audio jack (3.5 mm TRS connector)  Digital audio output – min.1x S/PDIF  USB data ports – min.1x USB 3.1 Type C (incl. DisplayPort support and Power Delivery up to 45 Watts), min.1x USB 2.0, min.3x USB 3.0,  Control inputs – min.1x COM DE-9 (RS-232 standard), LAN: RJ-45 connector (100 Mbit/sec), Wi-Fi: 2.4 / 5 GHz (802.11 a/b/g/n/ac), Bluetooth 4.2  Operating System – min.Android™ 8.0  RAM – min.3 GB  ROM – min. 32 GB  Input Detection: min.20 touch inputs  Touch Connection: min.2x USB-B  Recognition: Finger or passive stylus  Response time: < 4 ms (single touch), < 10 ms (max touch inputs)  Accuracy: ± 1 mm  Supported Compatibility - Windows, Android, Macintosh OS X, Linux, Chrome OS  Maximum operating hours – min.16 hours / day  Sensors - Motion Sensor, Light Sensor  Extended Warranty - 8 years  Included Accessories - HDMI Cable (3 meter), USB cable (5 meter), 2x passive stylus, Wall Mount, WiFi Module, USB-C Cable (1.5 meter)  SOFTWARE FEATURES AND FUNCTIONS:  Make annotations and share immediately with every device  Screen mirroring from any device  Wireless touch function on Windows & MAC OS  Support up to 6 split-screens mirroring  Support AirPlay and Google Cast  ELECTRICAL WALL LIFT WITH TURN FUNCTION:  Electric height adjustment of min.500 mm for (touch) displays up to 86 inch  The monitor can be moved forward manually with a 180° turning motion and back to the wall again and be rotated in the forward position, 90° to the left and to the right  Weight – max.53 kg  Maximum load – min. 100 kg  Height adjustment Electrical 500 mm, speed up to 20 mm/s  Bracket/interface - included  Bracket type - VESA  Bracket range – compatible with IFPD  HDMI matrix to commutate HDMI signals, min. 4 in, min.2 out.  Including all necessary cables and materials | **2 unit.** |  |  |  |
| **2.13.** | **INTERACTIVE TOUCHSCREEN 86” kit type 2**  IFPD minimal requirements:  Panel Type - IPS-ADS  Panel active screen area – min. 1895 x 1066 mm  Display aspect ratio - 16:9  Display native resolution – min.3840 x 2160 pixels - 4K Ultra High Definition  Brightness (typical) – min.400 cd/sm  Response time (typ.) – max.8ms  Glass – at least 4 mm Hardened Anti-Reflection Safety Glass (MOHS 7)  Life time – min.50 000 hours  Integrated loudspeakers – min.2 x 16 Watt  Zero air gap  CONNECTIVITY  Digital audio-video inputs – min.4x HDMI 2.0  Digital audio-video output – min.1x HDMI 2.0  Analog audio-video inputs – min.1x VGA (DE-15 male) + audio jack (3.5 mm TRS connector)  Analog audio output – min.1x audio jack (3.5 mm TRS connector)  Digital audio output – min.1x S/PDIF  USB data ports – min.1x USB 3.1 Type C (incl. DisplayPort support and Power Delivery up to 45 Watts), min.1x USB 2.0, min.3x USB 3.0,  Control inputs – min.1x COM DE-9 (RS-232 standard), LAN: RJ-45 connector (100 Mbit/sec), Wi-Fi: 2.4 / 5 GHz (802.11 a/b/g/n/ac), Bluetooth 4.2  Operating System – min. Android™ 8.0  RAM – min.3 GB  ROM – min. 32 GB  Input Detection: min.20 touch inputs  Touch Connection: min.2x USB-B  Recognition: Finger or passive stylus  Response time: < 4 ms (single touch), < 10 ms (max touch inputs)  Accuracy: ± 1 mm  Supported Compatibility - Windows, Android, Macintosh OS X, Linux  Maximum operating hours – min.16 hours / day  Sensors - Motion Sensor, Light Sensor  Extended Warranty - 8 years  Included Accessories - HDMI Cable (3 meter), USB cable (5 meter), 2x passive stylus, Wall Mount, WiFi Module, USB-C Cable (1.5 meter)  SOFTWARE FEATURES AND FUNCTIONS:  Make annotations and share immediately with every device  Write on top of every image/app/site & save your content  Screen mirroring from any device Support up to 6 split-screens mirroring  Wireless touch function on Windows & MAC OS  Support Air Play and Google Cast  Mobile IFPD Trolley:  On casters, Dimensions (W x D x H) mm - 65 x 130 x 161, featuring a convenient storage tray, mobile trolley designed for easy installation and adjustment for the 65”, 75” and 86” interactive flat panel displays, screw accessory package  Including all necessary cables and materials | **1 set.** |  |  |  |
| **2.14.** | **Wireless local network system, incl.:**  ACCESS POINT – 1pcs:  Indoor/Outdoor Dual Band Wireless Access Point; controller via Wireless Controller; possible to mount on the wall or ceiling, water resistant.  Technical specifications: min. 3x3 MIMO, min. 3x Dual-Band omni-directional Antennas, min.8dBi; 802.3af PoE (PoE injector included); Support:VLAN, Advanced QoS,Guest Traffic Isolation, WMM  Maximum TX Power: 2.4 GHz - 22 dBm; 5 GHz - 22 dBm  Ports: min. 2x 10/100/1000 Ethernet Port  Performance: support minimum 100 simultaneous connections  Protocols: 802.11 a/b/g/n/r/k/v/ac  Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)  Warranty min. 12 months  ROUTER – 1pcs:  Ethernet Router  Networking Interfaces: min. 10xGigabit Ethernet ports; min. 1x SFP+ port supporting 1.25 Gb SFP and 10 Gb SFP+  Management Interface: min. 1x Serial port RJ45;  Technical specifications: CPU minimum QuadCore 1.4 GHz per core; Minimum 1 GB RAM; Storage size minimum 512 MB; PCB temperature monitor; Voltage Monitor;  Power Method: DC jack input Voltage 12-57 V, Max power consumption 33W; Passive PoE in; Passive PoE Out;  Warranty min. 12 months | **2 sets.** |  |  |  |
| **2.15.** | **PORTABLE PROJECTOR**  Resolution (native) – min. WXGA (1280x800)  Brightness (HK/ANSI) – min. 1000/500  Contrast ratio – min. 20,000:1  Native aspect ratio - 16:10  Aspect ratio (compatible) - 4:3, 16:9  Keystone correction (vertical) - +/-40°  Must have vertical auto keystone correction  Uniformity – min. 85%  Lamp type – LED  LED life – min. 20,000 hours  Throw ratio – max. 0.8:1  Inputs min. 1 x HDMI 1.4a 3D support + MHL, min. 1 x microSD card, min. 1 x USB-A reader, min. 1 x VGA (YPbPr/RGB)  Outputs min. 1 x Audio 3.5mm  Noise level (max) - 24dB  Speaker - min. 1\*1W  Input lag – max. 16.00ms  Incl. wireless module  Net weight – max.0.5 kg (with wifi module)  Warranty min. 24 months | **2 unit.** |  |  |  |
| **2.16** | **A3 COPIER**  A3 Laser Multifunctional: Colour Print, Copy, Scan  Print / Copy Speed Monochrome and Colour min. 25 ppm (A4), min. 15 ppm (A3)  Print Resolution min. 1200 × 1200 dpi  Print languages: PCL 6, Genuine Adobe PostScript Level 3  Supported file types: TIFF, JPEG, PDF, XPS  Print Features: Direct printing from USB memory, Printing from mobile and cloud, Suspend Job Timeout, Profile Settings, Secured Print,  Watermark, Page Layout, Two-sided Printing, Collating, Booklet Printing, Grouping, Mixed Paper Sizes/ Orientations, Offsetting, Front/Back Covers, Toner Reduction, Poster Printing  Copy Features: Book to Two Pages, Two-sided Original, Finishing, Booklet, N on 1, Different Size Originals, Density Adjustment, Original Type Selection, Transparency Cover Sheets, Page Numbering, Sharpness, Erase Frame, Secure Watermark, Print Date, Shift, Gutter, Negative/Positive, Mirror Image, Copy ID Card, Skip Blank Pages, Free Size Original  Scanner Type: Colour, Platen and Automatic Document Feeder  Scan Resolution min. 600 x 600 dpi  Send Destination: E-mail/Internet FAX (SMTP), SMB v3.0, FTP, WebDAV, Mail Box  Send File Format Standard: TIFF, JPEG, PDF (Compact, Searchable, Apply policy, Optimize for Web, PDF A/1-b, Encrypted), XPS (Compact, Searchable), Office Open XML (PowerPoint,  Word), PDF/XPS (Device Signature)  Advanced Space Features: Authentication for Advanced Space Log-in, Sort Function, Printing a PDF File with a Password  Authentication: Device and Function Level Log-in, User Authentication, Department ID Authentication, Access Management System  Data Security: Trusted Platform Module (TPM), Hard Disk Password Lock, Hard Disk Drive Erase, Mailbox Password Protection, Hard Disk Drive Encryption  Document Security: Secure Print, Encrypted PDF, Encrypted Secure Print, Device signature, Secure Watermarks  Paper sizes: Standard: A3, A4, A5, B4, B5  Envelope custom size: from 100 x 100 mm to 320 x 450 mm  Paper Input min. 1200 sheets (cassettes and multi-purpose tray)  Document Feeder Paper Input min. 100 sheets  Paper output min. 250 sheets  Memory min 2GB, Hard Disk drive min. 200GB  Display: Colour Touch, min. 10 inch.  Interface: 1 GB LAN, 802.11 b/g/n, min. Host USB 3.0 x1, Device USB 2.0 x1  Supported Operating System: Windows 10, MAC OS X  Incl. Pedestal or additional cassettes for floor installation.  Consumables in set (original): Black toner (2pcs) min. 35000 pages, C/M/Y toners (2 pcs each) min. 18000 pages Estimated Yield @ 5% Coverage  Warranty min. 24 months | **2 unit.** |  |  |  |
| **2.17.** | **PC**  Must be assembled, with the following minimal requirements (or better):  CPU Intel Core i9-10900F or Ryzen 7 5800x, with compatible cooler  Compatible TX Motherboard  RAM 32GB DDR4-3200MHz  M.2 NVMe SSD 500GB R/W:6900/5000MB/s, 800/1000K IOPS 3.5" HDD 2.0TB-SATA- 256MB  Graphics card Nvidia GTX 1050 Ti, HDCP, DVI, HDMI, DisplayPort, 90mm fan, Direct GPU contact, Custom Aluminum heatsink, Lite Pack  Power Supply ATX 750W 80+ Gold, Modular, Active PFC, 140mm  Case ATX, w/o PSU, 3x120mm, Tempered Glass, USB3.0, Black  27.0" IPS W-LED, 3840x2160 4K-UHD, 4ms, 350 cd/m², DCR 1000:1, 178°/178°, HDMI 2.0 x2 + DisplayPort, HDMI Audio-In, Built-in Speakers 3Wx2, Headphone-Out, External Power Adapter, Fixed Stand (Tilt -5/+20°), incl. HDMI cable, Audio cable, Power cable  Wireless Keyboard & Mouse kit  Windows 10 Pro 64Bit Eng  Office Home and Business 2019  Warranty min. 24 months | **2 unit.** |  |  |  |
| **3.** | **Lot 3:**  **3D PRINTER**  MINIMAL TECHNICAL REQUIREMENTS:  Build volume Ø 200 x h 400 mm  Minimum layer height 50 micron  Print speed max (\*) 500 mm/s  Travel speed max (\*) 800 mm/s  Acceleration (\*) 15.000 mm/s2  Bed temperature max 110 C°  Nozzle diameter standard - 0,4 mm  Suitable filaments Ø1.75 PLA/PETG/ABS/PA carbon  extruder for fast and high-quality prints  SOFTWARE – OS Windows, Mac, Linux  Slicing software compatible with all slicing software’s (Cura – SLic3r – Simplify3D®)  File type. stl, .obj,. google  INTERFACE - SD cards, LCD screen  INCLUDED MATERIAL – 1 Extruder Kit, 10 kg of PLA filament |  |  |  |  |
| **4.** | **Lot 4:**  **ADVERTISING OUTDOOR LED DISPLAY**  The display must be offered as a “turnkey” installation – including the delivery, installation on outdoor support, all works, materials, setting should be considered when placing the bid  MINIMAL TECHNICAL REQUIREMENTS:  Display type: P4.8 outdoor  Screen size (WxH): 4 x 2.25m  Cabinet size: max. 1000x1000mm/1000x1250mm  SMD1921, ICN2153IC  Brightness: >5,000 units  Steel cabinet, rear service  Sending Card - 1 pcs per display  Receiving Cards - 1 pcs per cabinet  Brightness Sensor - 1 pcs per screen  Operation Software included  Power supply  Receiving cards  Including spare parts |  |  |  |  |