# *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.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 monthsCase 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+VGAWarranty 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 bagWarranty 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 bagWarranty 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 bagWarranty 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 ConferenceProcessorOne CAT5e cable to transmit up to 64 channels audio and other signalsThe microphone sensitivity of each unit and 16 level equalizer EQ can be adjusted independentlyThe 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) technologyInterfacesFront panel USB recording interface3.5mm headphone for monitoring1x RCA audio input1x XLR audio input1x RCA audio output1x XLR audio output6x Phoenix interface audio output2x RJ45 digital audio connection2x RJ45 for chairman unit, delegate unit, translator’s unit and other connections1x RJ45 for wireless AP or router1x DP9 male interface for external control1x DP9 female interface for camera1x three-pin phoenix interface for cameracontrol keyboard1x RJ45 for computer connection or network switcher1x grounding screw1x 240V DC Power InterfaceTechnical ParametersPower 220V ACStatic power consumption 12WMaximum power consumption 150WFrequency Response 20Hz ~ 20KHzNoise ratio (S / N)> 80dBTotal harmonic distortion <0.05%Channel Crosstalk> 80dBRack mountableWarranty min. 12 months | **2 unit.** |  |  |  |
| **2.2.** | **Wired Digital Discussion Interpretation Chairman unit with microphone**Gooseneck microphone at least 410mm lengthControl & IndicatorsEach unit with two-color LED indicator on microphone, red for speaking128x32 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 buttonsMIC ON/OFF buttons with indicatorsChairman unit with priority button and consent button for the delegatesInterfacesPluggable microphone base2x 3.5mm stereo headphone jack1x 3.5mm stereo input jack2x RJ45 connectorsTechnical ParametersButton: Touchable interface, no physical buttonsSound Pickup: heart type capacitanceDisplay: OLED display 128 × 32Sensitivity: -46 dBV / PaMaximum power consumption: 2.0WDirectivity: 0 ° / 180 °> 20 dB (1 kHz)Headphone load: 16Ωheadphone volume: 10mWHeadphone jack: 3.5mm stereoInput impedance: 2kΩFrequency response: 20 ~ 20000HzConnection: CAT5 / CAT6 cable + snapEquivalent noise: 20dBA (SPL)Main material: ABSThe 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 lengthControl & IndicatorsEach unit with two-color LED indicator on microphone, red for speaking, green means need acceptance from chairman to speak128x32 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 buttonsMIC ON/OFF buttons with indicatorsInterfacesPluggable microphone base2x 3.5mm stereo headphone jack1x 3.5mm stereo input jack2x RJ45 connectorsTechnical ParametersButton: Touchable interface, no physical buttonsSound Pickup: heart type capacitanceSensitivity: -46 dBV / PaMaximum power consumption: 2.0WDirectivity: 0 ° / 180 °> 20 dB (1 kHz)Headphone load: 16Ωheadphone volume: 10mWHeadphone jack: 3.5mm stereoInput impedance: 2kΩFrequency response: 20 ~ 20000HzConnection: CAT5 / CAT6 cable + snapEquivalent 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 unitLCD min. 320 × 64 display Power consumption - 3WMicrophone - Electret-condenserPolar pattern - UnidirectionalSensitivity - -46dBV/paFrequency response - 20Hz~20KHzInput impedance - 2.2kOhmFrequency Response - 30~20KHZEarphone load - >8ohmEarphone volume - 10mWDirectivity 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,2xRJ45port,1x2.5mm adapter portWarranty min. 12 months | **2 unit.** |  |  |  |
| **2.5.** | **HEADSETS for participants**High quality headset for chairman/delegate to listen the sound from unit directlyUnit Interface Dual Channel PlugFrequency Response 80Hz – 2KHzSensitivity 90dBSignal to noise ratio > 80dBDistortion < 0.1dBImpedance 32 ΩDynamic range > 85 dBOutput power 100mW | **42 unit.** |  |  |  |
| **2.6.** | **HEADSETS for interpreter**High quality headset for interpreter to translate, with MIC inputListen 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, MountH.265 encoding support, can realize full HD 1080p / 60fps video streaming.Supports AAC audio codingsupports 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 ONWarranty min. 12 months | **2 unit.** |  |  |  |
| **2.8.** | **POWER AMPLIFIER**Output power – min. 120 W.Inputs : min. 4 x balanced combi XLR, 1 x stereo RCAOutputs: min. 4 x phoenix, 1 x stereo RCAFrequency response – min. 50 Hz - 15 kHzTHD – max. 2% la 1kHz rated powerS/N ratio – min. 70 DbPhantom power output.rack mountablecan use speakers: 4Ohm, 25V, 70V or 100VEach input and master volume controlWeight. 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 ΩSensitivity - 89 dB (1 W/1 m)Frequency response - 120 Hz – 20 kHzMaximum SPL - 109 dB (Pmax/1 m) at 5573 HzDriver dimensions - 5" woofer , 1" tweeterWall mount included | **8 unit.** |  |  |  |
| **2.10** | **MIXING PREAMPLIFIER**Rack Mountable, max. 1UInputs: at least 6 x universal combo XLR, 3 x stereo RCAOutputs: at least 1 x balanced stereo XLR, 1 x stereo RCA, 2 x 6,3 mm TRS jacksFrequency response: 20 Hz - 22 kHzTHD: max.0,03 % @ 1 kHzPhantom power outputWarranty 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-ADSPanel active screen area – min. 1895 x 1066 mmDisplay aspect ratio - 16:9Display native resolution – min.3840 x 2160 pixels - 4K Ultra High DefinitionBrightness (typical) – min.400 cd/smResponse time (typ.) – max.8msGlass – at least 4 mm Hardened Anti-Reflection Safety Glass (MOHS 7)Life time – min.50 000 hoursIntegrated loudspeakers – min.2 x 16 WattZero air gapCONNECTIVITYDigital audio-video inputs – min.4x HDMI 2.0Digital audio-video output – min.1x HDMI 2.0Analog 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/PDIFUSB 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 4.2Operating System – min.Android™ 8.0RAM – min.3 GBROM – min. 32 GBInput Detection: min.20 touch inputsTouch Connection: min.2x USB-BRecognition: Finger or passive stylusResponse time: < 4 ms (single touch), < 10 ms (max touch inputs)Accuracy: ± 1 mmSupported Compatibility - Windows, Android, Macintosh OS X, Linux, Chrome OSMaximum operating hours – min.16 hours / daySensors - Motion Sensor, Light SensorExtended Warranty - 8 yearsIncluded 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 deviceScreen mirroring from any deviceWireless touch function on Windows & MAC OSSupport up to 6 split-screens mirroringSupport AirPlay and Google CastELECTRICAL WALL LIFT WITH TURN FUNCTION:Electric height adjustment of min.500 mm for (touch) displays up to 86 inchThe 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 rightWeight – max.53 kgMaximum load – min. 100 kgHeight adjustment Electrical 500 mm, speed up to 20 mm/sBracket/interface - includedBracket type - VESABracket range – compatible with IFPDHDMI 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-ADSPanel active screen area – min. 1895 x 1066 mmDisplay aspect ratio - 16:9Display native resolution – min.3840 x 2160 pixels - 4K Ultra High DefinitionBrightness (typical) – min.400 cd/smResponse time (typ.) – max.8msGlass – at least 4 mm Hardened Anti-Reflection Safety Glass (MOHS 7)Life time – min.50 000 hoursIntegrated loudspeakers – min.2 x 16 WattZero air gapCONNECTIVITYDigital audio-video inputs – min.4x HDMI 2.0Digital audio-video output – min.1x HDMI 2.0Analog 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/PDIFUSB 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 4.2Operating System – min. Android™ 8.0RAM – min.3 GBROM – min. 32 GBInput Detection: min.20 touch inputsTouch Connection: min.2x USB-BRecognition: Finger or passive stylusResponse time: < 4 ms (single touch), < 10 ms (max touch inputs)Accuracy: ± 1 mmSupported Compatibility - Windows, Android, Macintosh OS X, LinuxMaximum operating hours – min.16 hours / daySensors - Motion Sensor, Light SensorExtended Warranty - 8 yearsIncluded 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 deviceWrite on top of every image/app/site & save your contentScreen mirroring from any device Support up to 6 split-screens mirroringWireless touch function on Windows & MAC OSSupport Air Play and Google CastMobile 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 packageIncluding 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 dBmPorts: min. 2x 10/100/1000 Ethernet PortPerformance: support minimum 100 simultaneous connectionsProtocols: 802.11 a/b/g/n/r/k/v/acWireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) Warranty min. 12 monthsROUTER – 1pcs:Ethernet RouterNetworking 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. 1000/500Contrast ratio – min. 20,000:1Native aspect ratio - 16:10Aspect ratio (compatible) - 4:3, 16:9Keystone correction (vertical) - +/-40°Must have vertical auto keystone correctionUniformity – min. 85%Lamp type – LEDLED life – min. 20,000 hoursThrow ratio – max. 0.8:1Inputs 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 3.5mmNoise level (max) - 24dBSpeaker - min. 1\*1WInput lag – max. 16.00msIncl. wireless moduleNet weight – max.0.5 kg (with wifi module)Warranty min. 24 months | **2 unit.** |  |  |  |
| **2.16** | **A3 COPIER**A3 Laser Multifunctional: Colour Print, Copy, ScanPrint / Copy Speed Monochrome and Colour min. 25 ppm (A4), min. 15 ppm (A3)Print Resolution min. 1200 × 1200 dpiPrint languages: PCL 6, Genuine Adobe PostScript Level 3Supported file types: TIFF, JPEG, PDF, XPSPrint 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 PrintingCopy 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 OriginalScanner Type: Colour, Platen and Automatic Document FeederScan Resolution min. 600 x 600 dpiSend Destination: E-mail/Internet FAX (SMTP), SMB v3.0, FTP, WebDAV, Mail BoxSend 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 PasswordAuthentication: Device and Function Level Log-in, User Authentication, Department ID Authentication, Access Management SystemData Security: Trusted Platform Module (TPM), Hard Disk Password Lock, Hard Disk Drive Erase, Mailbox Password Protection, Hard Disk Drive EncryptionDocument Security: Secure Print, Encrypted PDF, Encrypted Secure Print, Device signature, Secure WatermarksPaper sizes: Standard: A3, A4, A5, B4, B5Envelope custom size: from 100 x 100 mm to 320 x 450 mmPaper Input min. 1200 sheets (cassettes and multi-purpose tray)Document Feeder Paper Input min. 100 sheetsPaper output min. 250 sheetsMemory min 2GB, Hard Disk drive min. 200GBDisplay: Colour Touch, min. 10 inch.Interface: 1 GB LAN, 802.11 b/g/n, min. Host USB 3.0 x1, Device USB 2.0 x1Supported Operating System: Windows 10, MAC OS XIncl. 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% CoverageWarranty 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 coolerCompatible TX MotherboardRAM 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 PackPower Supply ATX 750W 80+ Gold, Modular, Active PFC, 140mmCase ATX, w/o PSU, 3x120mm, Tempered Glass, USB3.0, Black27.0" 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 EngOffice 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 mmMinimum layer height 50 micronPrint speed max (\*) 500 mm/sTravel speed max (\*) 800 mm/sAcceleration (\*) 15.000 mm/s2Bed temperature max 110 C°Nozzle diameter standard - 0,4 mmSuitable filaments Ø1.75 PLA/PETG/ABS/PA carbonextruder for fast and high-quality printsSOFTWARE – OS Windows, Mac, LinuxSlicing software compatible with all slicing software’s (Cura – SLic3r – Simplify3D®)File type. stl, .obj,. googleINTERFACE - SD cards, LCD screenINCLUDED 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 bidMINIMAL TECHNICAL REQUIREMENTS:Display type: P4.8 outdoorScreen size (WxH): 4 x 2.25mCabinet size: max. 1000x1000mm/1000x1250mmSMD1921, ICN2153ICBrightness: >5,000 unitsSteel cabinet, rear serviceSending Card - 1 pcs per displayReceiving Cards - 1 pcs per cabinetBrightness Sensor - 1 pcs per screenOperation Software includedPower supplyReceiving cardsIncluding spare parts |  |  |  |  |