## УНИВЕРЗИТЕТ У ПРИШТИНИ
### Косовска Митровица

.
. 028/422-340, 422-429        028/422-320
e-mail: rektorat@pr.ac.rs

Number: 22-417/1-2
Date:10-June-2022.

According to the Grant Agreement of the Erasmus+ project „Improving the process of education through the development of e-learning multimedia platform and smart classrooms - SMARTEL", number 618534-EPP-1-2020-1-XK-EPPKA2-CBHE-JP and in line with the article 11 (paragraph 1 item 2 and paragraph 2) of the Public Procurement Law of Republic of Serbia (Official Gazette number 91/2019, hereafter the Law), and in line with Decision of procurement the goods – Video conferencing and computer equipment number 22-417/1-1 from 30-May-2022., University of Mitrovica is publishing

## INVITATION FOR THE SUBMISSION OF BIDS

The bids will be submitted according to the following:

| The subject | Procurement of the goods – Video conferencing and computer equipment for the SMARTEL Erasmus+ project |
| --- | --- |
| Due date for submitting the bids | 30-June-2022. by 10 $^{00}$ |
| Mandatory parts of the bids | According to the conditions defined in this invitation and according to the technical specifications of equipment |
| Selection criteria | The best value for money |
| Contact info | phone. +381 28 422-340, +381 28/422-429 <br><br> e-mail: javnenabavke@pr.ac.rs |

*Contracting authority data*
University of Mitrovica
VAT number: 102076316, Entity ID: 09018417
Filipa Visnjica bb, 38220 Kosovska Mitrovica,
*Kosovo under UN Security Council Resolution 1244
Web address www.pr.ac.rs/

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*Instructions to bidders for making bids*

The bid shall be made in writing in accordance with the Bid form and The price of equipment form provided in this invitation.
The bid can be submitted as follows:
- By sending email to the recipient: javnenabavke@pr.ac.rs , or
- In person in University Campus.

The bid validity period is a minimum of 30 days from the day of bid opening.
The bid is considered timely if it is received by the Contracted Authority by 30-June-2022 at 10 A.M., regardless to the manner of submitting the bid.
Bids may be submitted for one, more or all lots.
Untimely and irregular offers will not be considered.
Delivery deadline no later than three months from the day of concluding the contract on procurement of goods.
Place of delivery: Address of the Contracting Authority.

*Conditions for participation in the procurement procedure*

Bidders must meet the conditions provided by the Law on Public Procurement.

Due to the specifics of the equipment, the contracting authority will accept and consider bids submitted in English, if the tenderer who submitted the bids has its registered office abroad.

*Contract award criteria*

The selection of the most favourable bid will be made by applying the criteria "The best value for money". The components of criteria are price and the delivery time.
In the process of evaluation of bids, if two or more bidders offer the same price, the contracting authority will select the bid with shorter time of delivery. In the case when more bidders offer the same price and same delivery time, the bid with longer warranty period (the warranty period should be offered for each equipment item) will be selected.

*Quality of equipment requirements*

The quality of the equipment must fully meet:
- current domestic or international standards for that type of equipment,
- technical characteristics of the equipment given in the **Technical Specification form** (Annex 1),
- quality certificates and attestations,
- the equipment must be delivered in the original packaging, must be new, unused, in good condition and have everything necessary for use

*The warranty*

The warranty period cannot be shorter than the manufacturer's warranty period.
Warranty period - must be specified for all positions in the bid form The Price of Equipment (Annex 3) expressed in months

The warranty should be implemented in authorized services (upon delivery of the equipment, the supplier submits a certificate of the existence of cooperation with authorized services).

If the bidder does not deliver the equipment that correspond to the technical specifications and according to the accepted bid, it will be stated in the minutes and it will be returned back to the bidder. The bidder is obliged to deliver the appropriate equipment by the agreed deadline.

The bidder must provide servicing or failure removal of equipment within the warranty period.

The service should be implemented through the authorized services of the manufacturer.

## *Price and method of payment*

The offered price in the bid should be VAT and Customs exempt, because the bidder is exempt from VAT and Customs based on the Decree on the implementation of the Law on Value Added Tax on the territory of Kosovo during the validity of UN Security Council Resolution 1244 ("Official Gazette of Republic of Serbia" no. 111/2013, 31/2018), as well as based on the VAT Certificate issued by EACEA (Annex 4).

The bidder is exempt from VAT, and the buyer pays the seller the amount from the bid with VAT and Customs exemption, which will represent the amount of the total contracted value. The Contracting Authority will also accept bids with price offered in Euro currency. If the payment is made in Dinars (currency RSD), the prices offered in Euros will be converted into dinars at the middle exchange rate of the National Bank of the Republic of Serbia on the day of bid opening.

Deadline and method of payment: 8 - 30 days to the bidder's bank account after delivery of the goods and issuance of the invoice.

Exceptionally for lot numbers 1, 2 and 3, there is an option of advance payment up to 50% of the offered price, but in this case the bidder will have to submit financial security for the return of the advance payment.

Financing of the goods related to the procurement will be provided from the funds of Erasmus+ project „Improving the process of education through the development of e-learning multimedia platform and smart classrooms – SMARTEL", number 618534-EPP-1-2020-1-XK-EPPKA2-CBHE-JP.

The Contracting Authority may suspend the procedure because of objective and provable reasons, which could not have been foreseen at the time of initiating the procedure and which disallow already started procedure to accomplish.

The Invitation for submitting the bids with technical specifications will be published on the University's website https://pr.ac.rs/univerzitet/uvid-javnosti/javne-nabavke/ .

After the expiration of the deadline for submission of bids, the Commission for conducting the procurement procedure will open the bids on 30-June-2022 at 10 A.M. in the premises of the contracting authority, and then make a record of the opening of bids and a report on the expert evaluation of bids. Based on the evaluation report and the proposal of the Commission, a decision will be made on the award of the contract, after which a contract on the procurement of services will be concluded, according to the important conditions from this invitation and selected bids.

Attached to the invitation to tender is the technical specification, the Bid form, The price of equipment form and VAT Certificate issued by EACEA.

*Annexes*

*Annex 1* – Technical specifications for equipment
*Annex 2* – Bid form
*Annex 3* – The price of equipment form
*Annex 4* – VAT Certificate issued by EACEA

*Commission for the implementation of the procurement procedure*

# Technical Specifications

## Lot 1: Cameras

| Seq. No. | Equipment | quantity |
|---|---|---|
| 1. | **Aver PTC310N or a similar model**<br>Specifications:<br>• type: PTZ (pan - tilt - zoom)<br>• sensor: 1/2,8" or larger<br>• aperture: F = 2.8 or larger through the entire lens<br>• optical zoom: 12x or larger<br>• output AV connections: at least USB and HDMI and NDIHX or NDIHX2 or NDI (version 4 or higher)<br>• AV input connection: at least microphone (3.5 mm stereo jack)<br>• output resolution: 1920x1080 or higher on all AV outputs<br>• output frame rate: 25 fps or higher on all AV outputs<br>• possibility of auto and manual control for gain, shutter speed, exposure and white balance<br>• pan angle: +/-170$^o$ or larger<br>• tilt angle: +90$^o$ / -30$^o$ or larger<br>• preset positions: 10 or more<br>• possibility to control camera via IP (should use wired ethernet connection), availability of API document for IP camera control<br>• possibility to power camera via network interface<br>• tracking: physical (not digital), built-in in camera, possibility to track presenter, predefined zones or both at once<br>• possibility to mount camera on wall, ceiling or tripod stand | 2 |
| 2. | **Aver DL30 or a similar model**<br>Specifications:<br>• type: PTZ (pan - tilt - zoom)<br>• sensor: 1/2,8" or larger<br>• aperture: F = 2.8 or larger through the entire lens<br>• optical zoom: 12x or larger<br>• output AV connection: at least USB<br>• AV input connection: at least microphone (3.5 mm stereo jack)<br>• output resolution: 1920x1080 or higher on all AV outputs<br>• output frame rate: 25 fps or higher on all AV outputs<br>• possibility of auto and manual control for gain, shutter speed, exposure and white balance<br>• pan angle: +/-170$^o$ or larger<br>• tilt angle: +90$^o$ / -30$^o$ or larger<br>• preset positions: 10 or more<br>• possibility to control camera via IP (should use wired ethernet connection), availability of API document for IP camera control<br>• possibility to power camera via network interface<br>• tracking: physical (not digital), built-in in camera, possibility to track | 2 |

| | presenter, predefined zones or both at once | |
| | • possibility to mount camera on wall, ceiling or tripod stand | |
| 3. | **Aver CAM130 or a similar model** <br> Specifications: <br> • type: fixed with support for ePTZ (electronic pan - tilt - zoom) <br> • output AV connection: at least USB <br> • sensor resolution: 3840x2160 or higher <br> • output resolution: 1920x1080 or higher on all AV outputs <br> • output frame rate: 25 fps or higher on all AV outputs <br> • possibility of auto and manual control for white balance <br> • preset positions: 10 or more <br> • possibility to control camera via USB interface, availability of API document for USB camera control <br> • tracking: electronic (ePTZ), built-in in camera, possibility to track presenter or predefined zones <br> • possibility to mount camera on display or tripod stand | 2 |
| 4. | **Speakerphone: Aver FONE540 or a similar model** <br> Specifications: <br> • speaker and microphone in one device <br> • basic audio controls with buttons on device <br> • optimal radius for voice capture should be at least 2,5 m <br> • input and output audio connections: at least USB and 3,5 mm stereo jacks <br> • possibility to control speakerphone via IP (should use wired ethernet connection), availability of API document for IP speakerphone control <br> • possibility to change settings of noise suppression, automatic gain control and echo cancellation <br> • speaker max SPL at 0,5 m: 90 dB or more <br> • microphone for spoken word application, should have omnidirectional polar pattern | 2 |

## Lot 2: Projectors

| Seq. No. | Equipment | quantity |
|---|---|---|
| 1. | **Panasonic PT-VMZ40 or a similar model** <br> Specifications: <br> • native resolution: 1920x1080 or higher <br> • native refresh rate: 50 Hz or higher <br> • light source: laser <br> • light output: 4500 lm or better <br> • time until light output declines to 50%: 20000 hours or longer <br> • max screen size: at least 5 m <br> • AV input connections: at least 2x HDMI <br> • AV output connections: audio out (3,5 mm stereo jack) <br> • installation options: ceiling/floor, front/rear <br> • possibility to control projector via IP (should use wired ethernet connection), availability of API document for IP projector control <br> • keystone correction: +/-25% or more (vertical and horizontal) <br> • optical axis shift: at least +/-20% (horizontal) and +40% (vertical) | 4 |

## Lot 3: Server

| Seq. No. | Equipment | quantity |
|---|---|---|
| 1. | **Supermicro server 2024S-TR with Supermicro H12DSi-N6, CSE-LA26TS-R920LPP1 or a similar model**<br>Specifications:<br>• type: 19" 2U rack server<br>• CPU: 2x AMD EPYC 7502 or better<br>• RAM: 128 GB (quad channel - 4x32 GB) DDR4 3200 MHz ECC REG or better<br>• hard drives: at least 2x 1,92 TB NVMe U.2 1,3 DWPD SSD and 8x 10 TB 7200 RPM SAS3<br>• network card: Intel X520 (2x SFP+ 10 GB) or better<br>• controller: at least with support for SAS3 RAID5 & SUPERCAP<br>• power supply: redundant | 1 |

## Lot 4: Audio equipment and encoders

| Seq. No. | Equipment | quantity |
|---|---|---|
| 1. | **Magewell Pro Convert HDMI Plus or a similar model**<br>Specifications:<br>• input AV connection: HDMI<br>• loop-through of input AV connection should be built-in in encoder<br>• output AV connections: at least NDIHX or NDIHX2 or NDI (version 4 or higher)<br>• max input and output resolution: 1920x1080 or higher<br>• max input and output frame rate: 50 fps or higher<br>• loop-through of input AV connection and output AV connection should include at least 2-channel HDMI-embedded audio from input AV connection<br>• possibility to control encoder via IP (should use wired ethernet connection), availability of API document for IP encoder control<br>• possibility to power encoder via network interface | 2 |
| 2. | **Magewell USB Capture HDMI Plus or a similar model**<br>Specifications:<br>• input AV connection: HDMI<br>• loop-through of input AV connection should be built-in in capture device<br>• output AV connections: at least USB<br>• max input and output resolution: 1920x1080 or higher<br>• max input and output frame rate: 50 fps or higher<br>• loop-through of input AV connection and output AV connection should include at least 2-channel HDMI-embedded audio from input AV connection<br>• possibility to control capture card via USB interface<br>• possibility to power capture card via USB interface | 4 |
| 3. | **Headphones: Shure SRH 240A or a similar model**<br>Specifications:<br>• should be over ear and closed back<br>• driver size: 40 mm or larger | 2 |

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| | • frequency range: 20 Hz to 20000 Hz or better<br>• 3.5 mm stereo jack connector for audio input | |
| 4. | **Loudspeaker: Biamp Apart OVO5P-BL or a similar model**<br>Specifications:<br>• two speakers, should be connected with cable, audio source is provided only to one speaker (one active and one passive loudspeaker pair)<br>• system: 2-way or more<br>• dispersion angle (vertical and horizontal): $180^{\text{o}}$<br>• frequency response: 50 Hz – 20000 Hz or better<br>• max SPL at 1 m: 100 dB or more<br>• output power: 2 x 20 W or higher<br>• audio input connections: at least 3.5 mm stereo jack and stereo RCA/chinch<br>• wall mount should be included | 4 |
| 5. | **Dual channel microphone receiver, pocket transmitter with tie microphone, handheld microphone with transmitter: Shure BLX1288/CVL or a similar model**<br>Specifications:<br>• frequency range: needs to be checked localy that it is not in use by mobile network (for example LTE) or for TV broadcasting (for example DVB-T) or for Wi-Fi or for other common services<br>• receiver<br>    should include 2 separate outputs<br>    at least 10 systems per frequency band<br>    function for automatic selection of frequency should be included<br>    audio output connections: 6,3 mm jack and 3-pin XLR<br>• transmitter<br>    should allow adjustable gain setting<br>    should include battery status indicator<br>    operating range: at least 50 meters<br>• microphones<br>    for spoken word application<br>    should have cardioid polar pattern<br>    frequency range: 60 Hz to 12000 Hz or better | 2 |
| 6. | **ie microphone for pocket microphone transmitter: Shure CVL or a similar model**<br>Specifications:<br>• additional tie microphone compatible with system selected in »dual channel microphone receiver, pocket transmitter with tie microphone, handheld microphone with transmitter« | 4 |
| 7. | **Microphone receiver, pocket transmitter with tie microphone: Shure BLX14/CVL or a similar model**<br>Specifications:<br>• frequency range: needs to be checked localy that it is not in use by mobile network (for example LTE) or for TV broadcasting (for example DVB-T) or for Wi-Fi or for other common services<br>• receiver<br>    at least 10 systems per frequency band<br>    function for automatic selection of frequency should be included<br>    audio output connections: 6,3 mm jack and 3-pin XLR<br>• transmitter<br>    should allow adjustable gain setting | 2 |

| | should include battery status indicator<br>operating range: at least 50 meters<br>• microphone<br>  for spoken word application<br>  should have cardioid polar pattern<br>  frequency range: 60 Hz to 12000 Hz or better | |

## Lot 5: Computers and network equipment

| Seq. No. | Equipment | quantity |
|---|---|---|
| 1. | **Controller for devices: Elgato Stream Deck XL or a similar model**<br>Specifications:<br>• controller with at least 30 customizable keys<br>• support for usage with Bitfocus Companion software<br>• power and communication interface: USB<br>• table stand should be included | 2 |
| 2. | **Controller for devices: Elgato Stream Deck MK.2 or a similar model**<br>Specifications:<br>• controller with at least 15 customizable keys<br>• support for usage with Bitfocus Companion software<br>• power and communication interface: USB<br>• table stand should be included | 4 |
| 3. | **Software: AirServer Connect 4K UHD for Windows 10 Desktop Edition - Education License or a similar model**<br>Specifications:<br>• supported screen mirroring protocols: AirPlay, Chromecast, Miracast<br>• supported computer OS for software installation: at least Microsoft Windows 10<br>• max input resolution: 1920x1080 or higher<br>• max input refresh rate: 50 Hz or higher<br>• support for screen mirroring of multiple clients at the same time with different layouts<br>• support for display orientation detection<br>• support for password protection of screen mirroring | 6 |
| 4. | **Computer Display: Dell P2422H or a similar model**<br>Specifications:<br>• display diagonal: 23,5" – 27"<br>• display aspect ratio: 16:9<br>• panel type: IPS<br>• coating: anti-glare<br>• native resolution: 1920x1080 or higher<br>• native refresh rate: 50 Hz or higher<br>• brightness: at least 250 cd/m²<br>• USB 3.2 hub built-in in display<br>• AV input connections: at least HDMI and DisplayPort<br>• possibility to adjust elevation, pivot, tilt and swivel | 6 |

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| 5. | **Computer: HP Z2 G5 Mini or a similar model**<br>Specifications:<br>• type: desktop or nettop<br>• CPU: Intel Core i7-10700 or better<br>• GPU: discrete, support for NVENC, support for connecting at least 4 displays simultaneously, at least 4 GB of GDDR5 RAM included, for example NVIDIA Quadro P620 or better<br>• RAM: 16 GB (dual channel - 2x8 GB) DDR4 3200 MHz or better<br>• hard drive: 512 GB NVMe SSD or better<br>• I/O connections: at least headphone and microphone connector (can be combined), 4x USB 3.2 ports or better (can be type A or C), RJ-45 ethernet port (10/100/1000 Mbps duplex)<br>• OS: Windows 10 Pro, 64-bit or better<br>• wired mouse and wired keyboard should be included | 2 |
|---|---|---|
| 6. | **Computer: NUC11TNKv5 with Logitech MK120 or a similar model**<br>Specifications:<br>• type: desktop or nettop<br>• CPU: Intel Core i5-1145G7 or better<br>• GPU: Intel Iris Xe or better, support for connecting at least 3 displays simultaneously RAM: 8 GB (dual channel - 2x4 GB) DDR4 3200 MHz or better<br>• hard drive: 512 GB NVMe SSD or better<br>• I/O connections: at least headphone and microphone connector (can be combined), 4x USB 3.2 ports or better (can be type A or C), RJ-45 ethernet port (10/100/1000 Mbps duplex)<br>• OS: Windows 10 Pro, 64-bit or better<br>• wired mouse and wired keyboard should be included | 4 |
| 7. | **Notebook: Apple 14'' MacBook Pro M1 Pro, 8-core CPU, 16 GB RAM, 512 GB SSD or a similar model**<br>Specifications:<br>• type: laptop<br>• CPU/GPU: Apple M1 Pro (8 core CPU and 14 core GPU, support for connecting at least 2 additional displays) or better<br>• RAM: 16 GB or better<br>• hard drive: 512 GB SSD or better<br>• I/O connections: at least headphone and microphone connector (can be combined), 2x USB 3.2 ports or better (can be type A or C), HDMI port<br>• wireless connectivity: at least support for Wi-Fi 6 (IEEE 802.11ax) standard or better and for older standards (IEEE 802.11a/b/g/n/ac)<br>• OS: macOS Monterey or better<br>• display diagonal: 13"-15"<br>• display aspect ratio: 16:9<br>• display native resolution: 1920x1080 or higher<br>• display brightness: at least 500 cd/m² | 1 |
| 8. | **Computer: HP ProOne 440 G6 or a similar model**<br>Specifications:<br>• type: all-in-one (AIO)<br>• CPU: Intel Core i5-10500T or better<br>• GPU: Intel UHD Graphics 630 or better, support for connecting at least 1 additional display<br>• RAM: 8 GB DDR4 2666 MHz or better | 1 |

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| | • hard drive: 256 GB NVMe SSD or better<br>• I/O connections: at least headphone and microphone connector (can be combined), 2x USB 3.2 ports or better (can be type A or C), RJ-45 ethernet port (10/100/1000 Mbps duplex)<br>• OS: Windows 10, 64-bit or better<br>• wired mouse and wired keyboard should be included<br>• display diagonal: 23,5" – 27"<br>• display aspect ratio: 16:9<br>• display panel type: IPS<br>• display coating: anti-glare<br>• display native resolution: 1920x1080 or higher<br>• display brightness: at least 250 cd/m² | |
| 9. | **Tablet Computer: Apple iPad Pro 12,9'' Wi-Fi 128 GB with Apple Pencil 2 or a similar model**<br>Specifications:<br>• CPU/GPU: Apple M1 or better<br>• RAM: 8 GB or better<br>• wireless connectivity: at least support for Wi-Fi 6 (IEEE 802.11ax) standard or better and for older standards (IEEE 802.11a/b/g/n/ac)<br>• I/O connections: at least 1x USB 3.2 or newer, type C port<br>• storage capacity: 128 GB or more<br>• OS: iPadOS 15 or better<br>• display diagonal: 12,5" – 14"<br>• display panel type: IPS<br>• multi-point touch control should be built-in in display<br>• display coating: anti-glare<br>• display brightness: at least 500 cd/m²<br>• control pencil with support for wireless pairing and charging, magnetic attachment and tilt, pressure sensitivity should be included | 2 |
| 10. | **Wireless access point: Ubiquiti Access Point WiFi 6 Long-Range or a similar model**<br>Specifications:<br>• support for Wi-Fi 6 (IEEE 802.11ax) standard or better and for older standards (IEEE<br>• 802.11a/b/g/n/ac)<br>• support for MIMO 4x4 at 2.4 GHz and 5 GHz<br>• max throuput rate at 2.4 GHz: at least 500 Mbps<br>• max throuput rate at 5 GHz: at least 2000 Mbps<br>• support for at least 100 concurrent clients<br>• possibility to power wireless access point via network interface<br>• support for usage of software controller | 6 |
| 11. | **Network switch Ubiquiti Switch PRO 24 PoE or a similar model**<br>Specifications:<br>• should be fully managed, layer 3<br>• at least IGMP v2 should be supported<br>• network interfaces: at least 24x 10/100/1000 RJ45 ports and 1x 1/10G SFP+ ethernet port, all with full switching capacity<br>• support for PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at) on all RJ45 network interfaces with total available PoE budget of at least 200 W, support for 60 W PoE++ (IEEE 802.3bt) on at least 2 RJ45 interfaces | 2 |

| | | |
|---|---|---|
| | • support for usage of software controller<br>• should have built-in power supply<br>• support for 19" rack mounting | |
| 12. | **Network switch: Ubiquiti Switch Lite 16 PoE or a similar model**<br>Specifications:<br>• should be fully managed, layer 2<br>• network interfaces: at least 16x 10/100/1000 RJ45 ports, all with full switching capacity<br>• support for PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at) on at least 4 RJ45 network<br>• interfaces with total available PoE budget of at least 45 W<br>• support for usage of software controller<br>• should have built-in power supply<br>• should be fanless | 4 |
| 13. | **Uninterruptible power supply (UPS): Socomec Netys PR RT 3300 VA or a similar model**<br>Specifications:<br>• type: 19" rack single-phase UPS (meant only for the server above, if usage for other server room equipment is also planned, a more powerful UPS is needed)<br>• apparent power: at least 3000 VA<br>• real power: at least 2500 W<br>• connections: at least 4x IEC320 (10 A)<br>• back-up time: at least 5 min at 75% load<br>• possibility to add battery extensions for back-up time of at least 30 min at 75% load should be available<br>• possibility to monitor and control UPS via USB should be built-in in UPS, option to add ethernet adapter to monitor and control UPS via IP should be also available | 1 |

## Lot 6: Projection Screen

| Seq.<br>No. | Equipment | quantity |
|---|---|---|
| 1. | **Vega EL W 300 or a similar model**<br>Specifications:<br>• screen aspect ratio: 16:9<br>• screen width (projection area): 290 – 300 cm<br>• possibility of ceiling or wall installation<br>• control of lifting and lowering via electric motor | 4 |

## Lot 7: TV displays

| Seq.<br>No. | Equipment | quantity |
|---|---|---|
| 1. | **Samsung UE75AU7172U or Philips 4K 75PUS7906 or a similar model**<br>Specifications: | 6 |

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| | • display diagonal: 75"<br>• display aspect ratio: 16:9<br>• native resolution: 3840x2160 or higher<br>• native refresh rate: 50 Hz or higher<br>• brightness: at least 250 cd/m²<br>• dynamic range: HDR10 or better<br>• AV input connections: at least 2x HDMI<br>• installation option: at least VESA<br>• possibility to control TV via IP (should use wired ethernet connection), availability of API document for IP TV control | |
| 2. | **Samsung UE50AU7172U or Philips 50PUS7906 or a similar model**<br>Specifications:<br>• display diagonal: 50"<br>• display aspect ratio: 16:9<br>• native resolution: 3840x2160 or higher<br>• native refresh rate: 50 Hz or higher<br>• brightness: at least 250 cd/m²<br>• dynamic range: HDR10 or better<br>• AV input connections: at least 2x HDMI<br>• installation option: at least VESA<br>• possibility to control TV via IP (should use wired ethernet connection), availability of API document for IP TV control | 2 |

# BID PROPOSAL FORM

Bid number. _____ for the procurement of goods – Video conferencing and computer equipment for Erasmus+ project „Improving the process of education through the development of e-learning multimedia platform and smart classrooms - SMARTEL", project number. 618534-EPP-1-2020-1-XK-EPPKA2-CBHE-JP.

| | |
|---|---|
| **Bidder name** | |
| **Address of the bidder** | |
| **Entity ID of the bidder** | |
| **VAT number of the bidder** | |
| **Bank account of the bidder** | |
| **Name of the person representing the bidder** | |

In line with the Invitation for submission of bids number 22-417/1-2 from 10-June-2022., we make an offer as the following

| | |
|---|---|
| **The procurement name** | Procurement of the goods – Video conferencing and computer equipment - Lot number ____ |
| **The offered price with VAT exempted** | |
| **Due date of goods delivery** | |

*The statement of Integrity:* Under full material and criminal responsibility, I confirm that I submit the bid in this procurement procedure independently, without agreement with other bidders or interested parties, and that I guarantee the accuracy of the information in the bid.

Date:                               Stamp                    Person authorised to represent the bidder


_____                                    _____


*Note:* If the bidder submits a bid for more than one lot, copy the form.

# THE PRICE OF EQUIPMENT

# THE PRICE OF EQUIPMENT - LOT 1: CAMERAS

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Aver PTC310N or a similar model** | 2 | | | | |
| 2. | **Aver DL30 or a similar model** | 2 | | | | |
| 3. | **Aver CAM130 or a similar model** | 2 | | | | |
| 4. | **Speakerphone: Aver FONE540 or a similar model** | 2 | | | | |

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

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## THE PRICE OF EQUIPMENT - LOT 2: PROJECTORS

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Panasonic PT-VMZ40 or a similar model** | 4 | | | | |

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

**THE PRICE OF EQUIPMENT - LOT 3: SERVERS**

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Supermicro server 2024S-TR with Supermicro H12DSi-N6, CSE-LA26TS-R920LPP1 or a similar model** | 1 | | | | |

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

# THE PRICE OF EQUIPMENT - LOT 4: AUDIO EQUIPMENT AND ENCODERS

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Magewell Pro Convert HDMI Plus or a similar model** | 2 | | | | |
| 2. | **Magewell USB Capture HDMI Plus or a similar model** | 4 | | | | |
| 3. | **Headphones: Shure SRH 240A or a similar model** | 2 | | | | |
| 4. | **Loudspeaker: Biamp Apart OVO5P-BL or a similar model** | 4 | | | | |
| 5. | **Dual channel microphone receiver, pocket transmitter with tie microphone, handheld microphone with transmitter: Shure BLX1288/CVL or a similar model** | 2 | | | | |
| 6. | **ie microphone for pocket microphone transmitter: Shure CVL or a similar model** | 4 | | | | |

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| 7. | **Microphone receiver, pocket transmitter with tie microphone: Shure BLX14/CVL or a similar model** | 2 | | | | |
|----|----|----|----|----|----|----|

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

# THE PRICE OF EQUIPMENT - LOT 5: COMPUTER AND NETWORK EQUIPMENT

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Controller for devices: Elgato Stream Deck XL or a similar model** | 2 | | | | |
| 2. | **Controller for devices: Elgato Stream Deck MK.2 or a similar model** | 4 | | | | |
| 3. | **Software: AirServer Connect 4K UHD for Windows 10 Desktop Edition - Education License or a similar model** | 6 | | | | |
| 4. | **Computer Display: Dell P2422H or a similar model** | 6 | | | | |
| 5. | **Computer: HP Z2 G5 Mini or a similar model** | 2 | | | | |
| 6. | **Computer: NUC11TNKv5 with Logitech MK120 or a similar model** | 4 | | | | |
| 7. | **Notebook: Apple 14" MacBook Pro M1 Pro, 8-core CPU, 16 GB RAM, 512 GB SSD or a similar model** | 1 | | | | |

| | | | | | |
|------|---|---|---|---|---|
| 8. | **Computer: HP ProOne 440 G6 or a similar model** | 1 | | | |
| 9. | **Tablet Computer: Apple iPad Pro 12,9'' Wi-Fi 128 GB with Apple Pencil 2 or a similar model** | 2 | | | |
| 10. | **Wireless access point: Ubiquiti Access Point WiFi 6 Long-Range or a similar model** | 6 | | | |
| 11. | **Network switch Ubiquiti Switch PRO 24 PoE or a similar model** | 2 | | | |
| 12. | **Network switch: Ubiquiti Switch Lite 16 PoE or a similar model** | 4 | | | |
| 13. | **Uninterruptible power supply (UPS): Socomec Netys PR RT 3300 VA or a similar model** | 1 | | | |

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

# THE PRICE OF EQUIPMENT - LOT 6: PROJECTION SCREEN

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Vega EL W 300 or a similar model** | 4 | | | | |

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

**THE PRICE OF EQUIPMENT - LOT 7: TV DISPLAYS**

| Seq. No. | Equipment | quantity | Unit price (EUR) | Total price (EUR) | Warranty period (months) | Comments |
|---|---|---|---|---|---|---|
| 1. | **Samsung UE75AU7172U or Philips 4K 75PUS7906 or a similar model** | 6 | | | | |
| 2. | **Samsung UE50AU7172U or Philips 50PUS7906 or a similar model** | 2 | | | | |

*Note:* For equipment model offered as an alternative, please provide the detail specification of device characteristics in Comments column

EUROPEAN COMMISSION
Education, Audiovisual and Culture Executive Agency

Erasmus+, EU Solidarity Corps
International Capacity Building

Brussels, 1/02/21
EACEA.A.4

## To whom it may concern

The Education, Audiovisual and Culture Executive Agency, acting under powers delegated by the Commission of the European Union, confirms that the EU project 618534-EPP-1-2020-1-XK-EPPKA2-CBHE-JP

**Acronym:**          SMARTEL

**Title of the Project:**   Improving the process of education through the development of e-learning multimedia platform and smart classrooms

having as partners the following consortium members:

| | |
|---|---|
| Applicant | UNIVERSITY OF MITROVICA (XK) |
| Partner | CESIE (IT) |
| Partner | INTERNATIONAL BUSINESS COLLEGE MITROVICA (XK) |
| Partner | JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA (ME) |
| Partner | UNIVERSIDAD POLITECNICA DE MADRID (ES) |
| Partner | UNIVERSITA TA MALTA (MT) |
| Partner | UNIVERSITY OF MOSTAR (BA) |
| Partner | UNIVERZA V LJUBLJANI (SI) |
| Partner | UNIVERZITET ADRIATIK BAR (ME) |
| Partner | UNIVERZITET U ISTOCNOM SARAJEVU (BA) |

is awarded a grant in the framework of the Erasmus+ Capacity Building in the field of Higher Education Programme (Trans-European Cooperation Scheme for Higher Education).

Acquisition, delivery and installation of equipment and services provided for the above-mentioned consortium members in the Partner Countries are part of the EU Project.

Within the framework of an Erasmus+ Capacity Building project all equipment purchased and the provision of services in the Partner Countries can be exempt from taxes (including VAT), duties and charges, if a Common Framework agreement (Financing agreement in the case of the Partner Countries in the Western Balkans) has been signed between the European Commission and the Partner Country.

The present certificate cannot be used to purchase equipment or services exempt from taxes (including VAT) within the European Union. However, equipment purchased within the EU with a view to being immediately exported to Partner Countries in the framework of the Erasmus+ Capacity Building programme may be exempted from taxes (including VAT), duties and charges in accordance with the normal rules.

Ralf RAHDERS
Head of Unit