

AFRICAN UNION



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## **African Union Commission**

### **Request for Quotations**

**FOR**

**SUPPLY AND DELIVERY ICT  
Equipment TO PAN AFRICAN  
UNIVERSITY**

**Date: 15/10/2021**

**Background:**

The Pan African University (PAU) is the culmination of continental initiatives of the **Commission of the African Union** to revitalize higher education and research in Africa, under the **Second Decade of Education for Africa** and the consolidated **Plan of Action of Science and Technology for Africa**. It will exemplify excellence, enhance the attractiveness and global competitiveness of African higher education and research and establish the African University at the core of Africa's development.

The PAU will greatly boost the population and retention of high-level human resources and quality knowledge outputs and be able to attract the best intellectual capacity from all over the world. Africa acknowledges the fact that social and economic development is not possible without substantive investment in higher education and research. The PAU was launched as the African Union (AU) undertook the evaluation of the **Second Decade of Education for Africa**.

The African Union Commission identified critical themes within the five institutes of the Pan African University, as key to the development of Africa and attainment of the vision of the African Union. These are hosted in the different PAU Institutes as follows:

- Water and Energy Sciences (including Climate Change) (PAUWES, Algeria);
- Basic Science, Technology and Innovation (PAUSTI, Kenya);
- Life and Earth Sciences (including Health and Agriculture) (PAULESI, Nigeria);
- Governance, Humanities and Social Sciences (PAUGHSS, Cameroon);
- and Space Sciences (PAUSS, South Africa).

The PAU Rectorate is based in Yaoundé, Cameroon.

**Procurement Number: ESTI/PAVEU/005/704/10/21**

**SECTION A: REQUEST FOR QUOTATION:**

- 1) Description of the Goods: Pan African Virtual and E-University (PAVEU) is seeking for eligible and experienced suppliers to supply and deliver **ICT equipment** with the attached specification in the requirements
- 2) Currency of Quotation: **USD/EUR**
- 3) Quotations should be based on: CIP to The PAU Rectorate is based in Yaoundé, Cameroon.
- 4) The delivery to Commence by: Immediate.
- 5) Quotations must be valid for **90 days** from the **RETURN BY DATE** given below.
- 6) The warranty/guarantee offered shall be a minimum of: **2-3 Years**.
- 7) Quotations and supporting documents as specified in Section B must be marked with the Procurement Number above and indicate your acceptance of the terms and conditions.
- 8) Quotations must be received, in [PAURectorate@africa-union.org](mailto:PAURectorate@africa-union.org) no later than: **5:00 PM on 26/11/2021**. **PAN AFRICAN UNIVERSITY / UNIVERSITE PANAFRICAINE PAU RECTORATE / RECORAT DE L'UPA**,

*Street Address: Rue 1777 Joseph MBALLA ELOUMDEN – Nlongkak – Bastos*

*Floor/Room number: BP: 5383 Yaoundé, Cameroun*

*City: BP: 5383 Yaoundé, Cameroun compound, Country: Cameroun Tele: Tel: +237 222 21 70 90*

**9. Prices must be quoted CIP to the PAU Rectorate is based in Yaoundé, Cameroon.**

**10.** The attached Schedule of Requirements at Section C and Technical Data at Section D detail the items to be purchased. You are requested to quote your delivered price for these items by completing and returning Sections B, C and D in a sealed envelope marked with your name and the Procurement Number.

**11.** Quotations that are responsive, qualified and technically compliant will be ranked according to price. Award of Contract will be made to the lowest priced quotation by the issue of a Purchase Order.

**12.** Payments will be made in accordance with any resulting order within thirty (30) days of receipt of an invoice supported by delivery receipt or dispatch documentation, and subject to issue of a satisfactory inspection report.

**13: Preliminary examination:** Certificate of Business Registration or incorporation, Valid VAT Certificate, manufacturer's authorization dealer or any other relevant document. Bidder must be compiled with the above 3 requirements

Signed: ..... Name: Samson T

Title/Position: Procurement Officer

For and on behalf of the Purchaser

**Procurement Number: ESTI/PAVEU/005/704/10/21**

*Your quotation is to be returned on this Form by completing and returning Sections B, C and D including any other information/certification required within this RFQ.*

**SECTION B: QUOTATION DETAILS**

- 1) Currency of Quotation: .....
- 2) Delivery period offered: ..... days/weeks/months from date of Purchase Order.
- 3) The validity period of this Quotation is: ..... days from the **RETURN BY DATE**.
- 4) Warranty period (where applicable):..... Months.
- 5) We enclose the following document(s) as required by the Purchaser:  
.....  
.....  
.....
- 6) We confirm that our quotation is subject to the African Union General Conditions of Contract for Purchase Orders, and is based on the terms and conditions stated in your Request for Quotations referenced above.
- 7) We confirm that the prices quoted are fixed for the duration of the validity period and will not be subject to revision or variation.

**Authorised By:**

Signature: \_\_\_\_\_ Name: \_\_\_\_\_  
Position: \_\_\_\_\_ Date: \_\_\_\_\_

Authorised for and on behalf of:

Company: \_\_\_\_\_

Registered Address:  
.....  
.....  
.....

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**SECTION C: SCHEDULE OF REQUIREMENTS (TO BE PRICED BY BIDDER)**

Destination: The PAU Rectorate is based in Yaoundé, Cameroon.

**1. 1/ All-in-One Desktops (Qty = 8) DELL**

<b>Processor</b>	11th Generation Intel® Core™ i7-1165G7 Processor (12MB Cache, up to 4.7 GHz)
<b>Operating System</b>	Windows 10 Pro English
<b>Graphics Card</b>	NVIDIA® GeForce® MX330 with 2GB GDDR5 graphics memory
<b>Memory</b>	16GB, 8GBx2, DDR4, 2666MHz
<b>Hard Drive</b>	256GB M.2 PCIeNVMe Solid State Drive (Boot) + 1TB 5400 rpm 2.5" SATA Hard Drive (Storage)
<b>Wireless</b>	Intel® Wi-Fi 6 2x2 (Gig+) and Bluetooth 5.1
<b>Support &amp; warranty</b>	3 years on-site support – service and parts, to include in the agreement

**2. UPSs - QTY =8**

	APC Smart 750VA - SUA750I or Equivalent
<b>Power Cables</b>	Two UPS Cables and Schuko power cables
<b>Power Input</b>	220-240VAC, 50HZ

**3. APC PERFORMANCE SURGE ARRESTS - PMF83VT-GR - QTY =8**

	APC Performance Surge Arrest –Schuko (PMF83VT-GR) or Equivalent
<b>Power Input</b>	220-240VAC, 50HZ
<b>Power Plug and cord length</b>	Schuko Plug - 3 metre length
<b>Operating Environment</b>	0-40oC, Elevation of up to 0 - 5000M, Relative Humidity from 0 – 95%

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#### 4. Laptops (Qty= 2) DELL

<b>Processor</b>	10th Generation Intel® Core™ i7-10750H (12MB Cache, up to 5.0 GHz, 6 cores)
<b>Operating System</b>	Windows 10 Pro English
<b>Graphics Card</b>	NVIDIA® GeForce® GTX 1650 Ti 4GB GDDR6
<b>Display</b>	15.6" UHD+ (3840 x 2400) InfinityEdgeTouch Anti-Reflective 500-Nit Display
<b>Memory</b>	32GB DDR4-2933MHz, 2x16G
<b>Hard Drive</b>	512GB M.2 PCIeNVMe Solid State Drive
<b>Keyboard</b>	English/French keyboard, black, backlit, Fingerprint Reader
<b>Ports</b>	<p>2x Thunderbolt™ 3 with power delivery &amp; DisplayPort</p> <p>1x USB-C 3.1 with power delivery &amp; DisplayPort</p> <p>1x Full size SD card reader v6.0</p> <p>1x 3.5mm headphone/microphone combo jack</p> <p>1x Wedge-shaped lock slot</p> <p>1x USB-C to USB-A v3.0 &amp; HDMI v2.0 adapter ships standard</p>
<b>Camera</b>	<p>720p at 30 fps HD camera</p> <p>Dual-array microphones</p>
<b>Audio and Speakers</b>	<p>Studio quality tuning with Waves MaxxAudio® Pro and Waves Nx® 3D audio</p> <p>Quad-speaker design with 2.5W x2 woofers and 1.5W x2 tweeters = 8W total peak output</p> <p>3.5mm headphone/microphone combo jack featuring Waves Nx® 3D audio with headtracking</p> <p>Dual microphone array optimized with Waves MaxxVoice supporting VoIP - Microsoft Cortana capable</p>
<b>Wireless</b>	Killer Wi-Fi 6 AX1650 (2x2) and Bluetooth 5.0
<b>Primary Battery</b>	6-Cell Battery, 86Whr (Integrated)
<b>Support &amp; warranty</b>	3 years on-site support – service and parts, to include in the agreement

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## 5. Laptops (Qty= 5) DELL

<b>Processor</b>	11th Generation Intel® Core™ i5-1145G7 (4 Core, 8M cache, base 2.6GHz, up to 4.4GHz, vPro)
<b>Operating System</b>	<b>Windows 10 Pro English</b>
<b>Graphics card</b>	Intel® Iris® Xe graphics with Thunderbolt for i5-1145G7 vPro® processor
<b>Memory More Info</b>	16 GB, 1X16 GB 3200MHz DDR4 Non-ECC
<b>Systems Management</b>	vPro Manageability
<b>Hard Drive More</b>	512GB M.2 PCIeNVMe Solid State Drive
<b>Additional Hard Drive</b>	No Additional Hard Drive
<b>Display More Info</b>	15.6" FHD (1920x1080) Non-Touch, Anti-Glare, 250nits, WLAN/WWAN, HD+IR Camera
<b>Keyboard</b>	Single Pointing Backlit English US Keyboard and 10 Key Numpad
<b>Wireless More Info</b>	Intel® Wi-Fi 6 AX201 2x2 .11ax 160MHz + Bluetooth 5.1
<b>Primary Battery More Info</b>	4 Cell 63Whr ExpressCharge™ Capable Battery
<b>Support &amp; warranty</b>	3 years on-site support – service and parts, to include in the agreement

## 6. Docking stations of the Laptops (Qty=9) DELL

<b>Docking station with port replicator</b>	Docking Interface USB-C
<b>Video Interfaces</b>	HDMI, DP
<b>Dimensions (WxDxH)</b>	8.1 in x 3.5 in x 1.1 in
<b>Networking</b>	Gigabit Ethernet
<b>Power</b>	Power adapter 130 Watt AC 120/230 V (50/60 Hz)
<b>Display</b>	27" Full LED In-Plane Switching Technology monitor with integrated webcam
<b>Keyboard &amp; mouse</b>	USB Keyboard and Mouse - US English/French as needed
<b>Security Lock</b>	Notebook Security Lock Cable

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**7. HIGH RESOLUTION LCD TV DESK SCREEN**

**QTY = 2**

	<b>Samsung Dm-E Series 55" 1920x1080 Slim Direct-Lit LED Commercial Display Digital Signage(DM55E) or Equivalent</b>
<b>Screen size</b>	55" Curved
<b>Resolution</b>	1920 x 1080 or better
<b>Brightness</b>	700 nits
<b>Contrast Ratio</b>	3500 - 1



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8. **TABLETTES MICROSOFT** - QTY = 5

<b>Display</b>	<ul style="list-style-type: none"> <li>• Screen: 13” PixelSense™ Flow Display</li> <li>• Resolution: 2880 x 1920 (267 PPI)</li> <li>• Up to 120Hz refresh rate (60Hz default)</li> <li>• Aspect ratio: 3:2</li> <li>• Touch: 10 point multi-touch</li> <li>• GPU Ink Acceleration</li> <li>• Dolby Vision® support3</li> </ul>
<b>Memory</b>	<b>16GB, (LPDDR4x RAM)</b>
<b>Processor</b>	<b>Quad-core 11th Gen Intel® Core™ i5-1135G7 Processor, designed on the Intel® Evo™ platform</b>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Firmware TPM chip for enterprise-grade security and BitLocker support</li> <li>• Enterprise-grade protection with Windows Hello face sign-in</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li>• Windows 11 Home</li> <li>• Preloaded Microsoft 365 Apps</li> </ul>
<b>Sensors</b>	<ul style="list-style-type: none"> <li>• Accelerometer</li> <li>• Gyroscope</li> <li>• Magnetometer</li> <li>• Ambient Color Sensor (brightness and color)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Removable solid-state drive (SSD): 256GB</li> </ul>
<b>Battery life<sup>2</sup></b>	Up to 16 hours of typical device usage
<b>Graphics</b>	Intel® Iris® Xe Graphics (i5)
<b>Connections</b>	<ul style="list-style-type: none"> <li>• 2 x USB-C® with USB 4.0/Thunderbolt™ 4</li> <li>• 3.5mm headphone jack</li> <li>• 1 Connect port</li> <li>• Cover port</li> </ul>
<b>Cameras, video, and audio</b>	<ul style="list-style-type: none"> <li>• Windows Hello face authentication camera (front-facing)</li> <li>• 5.0MP front-facing camera with 1080p full HD video</li> <li>• 10.0MP rear-facing autofocus camera with 1080p HD and 4k video</li> <li>• Dual far-field Studio Mics</li> <li>• 2W stereo speakers with Dolby Atmos®</li> </ul>
<b>Wireless</b>	<ul style="list-style-type: none"> <li>• Wi-Fi 6: 802.11ax compatible</li> <li>• Bluetooth Wireless 5.1 technology</li> </ul>
<b>Exterior</b>	<ul style="list-style-type: none"> <li>• Casing: Signature anodized aluminum</li> <li>• Colors: Graphite</li> <li>• Physical buttons: Volume, Power</li> </ul>
<b>Warranty</b>	1-year limited hardware warranty
<b>Battery capacity</b>	<ul style="list-style-type: none"> <li>• Battery Capacity Nominal (WH) 51.5Wh</li> </ul>

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9. **PROFFESIONAL CAMCORDER** - QTY = 1

	<b>Panasonic HC-X1-Ultra HD professional or Equivalent</b>
Lens	LEICA DICOMAR 4K Lens
24mm / Zoom	24mm Wide-Angle / Optical 20x Zoom
Sensor	1.0-type (inch) 4K Sensor
recording	4K24p, UHD 60p/50p, FHD 60p/50p recording
Functions	Professional Functions
Rings / audio input	Triple manual rings / XLR audio input
Lens	LEICA DICOMAR 4K Lens

10. **PROFFESIONAL CAMCORDER** - QTY = 2

Make & Model	Panasonic HC-WX F1
Picture Quality	Brilliant 4K Picture Quality
Lens	Large MOS Sensor, LEICA Dicomar Lens
Wide-Angle	Wide-Angle 25mm
Lens	Optical 24x Zoom Lens
Functions	Professional Functions
Manual Ring	EVF and Manual Ring
Picture Quality	Brilliant 4K Picture Quality

11. **DIGITAL SINGLE LENS REFLEX (DSLR) CAMERA** QTY = 2

	<b>Panasonic Lumix G7W or Equivalent</b>
Make & Model	
Megapixels	45.7MP
Sensor size	35.9mm x 23.9mm 4096 x 2160
Autofocus	153 Point AF, 99 cross-type
Screen Type	3.2 inch tilt angel touchscreen, 2,359,000 dots
Maximum continuous shooting speed	7 frames per second
ISO Sensitivity	ISO -25,600
Shutter speed	1/8000 to 30 sec. in steps of 1/3, 1/2, or 1 EV, Bulb, Time, X250
Case	Yes
Standard features	USB, Wi-Fi, GPS, Bluetooth

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**12. TRIPOD**

**QTY = 3**

	Libec LX 10 Studio system with Dolly or Equivalent
Payload	16kg
Counterbalance	FIX
Drag Mod	2step
Tilt angle	+85o/65o
Camera plate	Sliding plate
Sliding range	+/-50mm
Shutter speed	1/8000 to 30 sec. in steps of 1/3, 1/2, or 1 EV, Bulb, Time, X250
Plate attachment	3/8" screw x 2 ( plus 4 spare)
Standard features	USB, Wi-Fi, GPS, Bluetooth
Height	91 to 187 cm
Ball diameter	100mm

**13. CONDENSER MICROPHONES AND ACCESSORIES QTY = 4**

	Neumann TLM-102 or equivalent
<b>Acoustical operating principle:</b>	Pressure gradient transducer
<b>Directional pattern:</b>	Cardioid
<b>Frequency range:</b>	20 Hz ... 20 kHz
<b>Diaphragm size</b>	Large diaphragm
Peak SPL:	144 dB
Nominal impedance:	50 Ohm
Rated load impedance:	1 kOhm
Equivalent noise level, A-weighted:	12 dBA
Maximum output voltage:	13 dBu
Sensitivity at 1 kHz into 1 kohm	11 mV/Pa
Power source	48 V ± 4 V Phantom
<b>Signal-to-noise ratio, A-weighted(rel. 94 dB SPL):</b>	82 dB

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Maximum output voltage:	13 dBu
Supply voltage (P48, IEC 61938):	48 V $\pm$ 4 V
Connector	XLR

- With stand Mount,adapter

**14. DYNAMIC MICROPHONES QTY = 4**

	Shure SM58 or Equivalent
Type	Dynamic (moving coil)
Frequency Response	50 to 15,000 Hz
Polar Pattern	Cardioid -rotationally symmetrical about microphone axis, uniform with frequency
Impedance	Rated impedance is 150 ohms (300 ohms actual) for connection to microphone inputs rated low impedance
Sensitivity (at 1,000 Hz Open Circuit Voltage)	-54.5 dBV/Pa (1.85 mV); 1 Pa = 94 dB SP
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin
Connector	Three-pin male XLR

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**15. WEB CAM**

**QTY = 2**

	<b>Logitech Brio 4K Ultra HD or Equivalent</b>
<b>Technical Specifications</b>	<ol style="list-style-type: none"> <li>i. 4K Ultra HD video calling (up to 4096 x 2160 pixels @ 30 fps)</li> <li>ii. 1080p Full HD video calling (up to 1920 x 1080 pixels @ 30 or 60 fps)</li> <li>iii. 720p HD video calling (up to 1280 x 720 pixels @ 30, 60, or 90 fps)</li> <li>iv. Plug-and-play USB connectivity</li> <li>v. 90-degree field of view (FOV) with two additional settings (65 and 78 degrees) available with optional software download</li> <li>vi. 5x digital zoom in Full HD</li> <li>vii. Autofocus</li> <li>viii. RightLight™ 3 with HDR for clear image in various lighting environments ranging from low light to direct sunlight</li> <li>ix. Image controls with optional Camera Settings application for control of pan, tilt, and zoom</li> <li>x. Built-in dual omni-directional mics with noise cancellation</li> <li>xi. Infrared sensor technology for Windows Hello (SDK available for application integration)</li> <li>xii. External privacy shutter</li> <li>xiii. Multiple mounting options, including clip and tripod mount</li> <li>xiv. Supports multiple connection types, including USB 2.0 Type A and USB 3.0 Type A and C connections</li> <li>xv. Custom carrying case</li> </ol>

**16. WHITE BOARD**

**QTY = 1**

	<b>Luxor 96"Wx40"H Double Sided Mobile Magnetic Whiteboard or equivalent</b>
<b>Specifications</b>	<ul style="list-style-type: none"> <li>• Rolling whiteboard features four casters, two with locking brakes, for easy manoeuvrability and stability.</li> <li>• Measures 99"W x 23"D x 69"H with frame. Made of painted steel with aluminium frame.</li> <li>• Both sides of the reversible whiteboard are magnetic. Colour: White.</li> <li>• Board measures 96"W x 40"H. Frame base measures 23"D.</li> <li>• Includes marker/eraser tray</li> </ul>

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**17. STUDIO LIGHTS (CONTINUOUS) LED PLUS ACCESSORIES QTY = 2**

	<b>PIXEL 3 Pack Dimmable LED Video Light and Stand or equivalent</b>
<b>Specifications</b>	i. White LED Video Light ii. Model: PIXEL K80 iii. LED Bulbs: 600 Pieces (White) iv. Voltage: AC 110~240V/50HZ~60HZ DC 14~18V 5A v. Power: 40W vi. Color Temperature: 5600K vii. Lumen: 4800LM viii. CRI: 95+ ix. Power Source: Power Adapter x. 2.Light Stand: xi. Folded Height:35.8 inches/91 centimeters xii. Maximum Height: 110 inches/280 centimeters
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Photoflex 72" Silver Reflective Umbrellas Qty 3</li> <li>• Replacement Bulbs Qty 6</li> </ul>

**18. STUDIO LIGHTS (STROBE) WITH ACCESSORIES QTY = 2**

	<b>Neower VISION4 Studio Flash or Equivalent</b>
<b>Specifications</b>	i. Power Output (Max.): 300W ii. Power Output Range: 6 f-stop range (1/1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64) iii. Recycling Time: Approx. 0.4-2.5s iv. Full Power Flashes: 700 shots v. Flash Duration: 1/1000s-1/10000s vi. Successive Flashes: 3 shots; 5 shots; 7 shots; 10 shots; 12 shots; 15 shots vii. Color Temperature: 5600+/-200k viii. 2.4G Wireless: 16 Channels (1-16); 4 Groups (A,B,C,D) ix. Modeling Lamp: LED 13W, 1370 Lumen (Energy Saving) x. Flash Tube: "Plug-in" tube (user replaceable) xi. Flash Light Dimension: 125mm(diameter) x 220mm (length) xii. Flash Light Weight: 1.8 kilograms xiii. Battery Capacity: 6000mAH, 12V xiv. Charging Voltage: AC 110-130V
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• 1 x Lithium Battery (Included in the flash)</li> <li>• 1 x LED modelling Lamp (Included in the flash)</li> <li>• 1 x 110-130V AC Charger</li> <li>• 1 x Standard Reflector</li> <li>• 1 x Protective Cover</li> <li>• 1 x 4-meter 3.5mm Sync Cord</li> <li>• 1 x Wireless Trigger(Battery Included)</li> <li>• Replacement Bulbs Qty 6</li> </ul>

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**19. SOFTWARE**

**QTY = 1**

<b>Hosting</b>	Website hosting and Management system environment
<b>Licence</b>	Zoom/webinar 500 – 1000 participants
<b>Licence</b>	Team 300 participants
<b>Licence</b>	Turnitin

**Authorised By:**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Date: \_\_\_\_\_

(DD/MM/YY)

Authorised for and on behalf of:

Company: \_\_\_\_\_

