

UNIVERSITY OF PORT HARCOURT

CHObA, NIGERIA

CENTRE FOR INFORMATION & TELECOMMUNICATION ENGINEERING

INVITATION FOR PRE-QUALIFICATION FOR EU ERASIMUS EQUIPMENT.

1. INTRODUCTION

The Centre for Information & Telecommunication Engineering, University of Port-Harcourt, Choba, Rivers state, Nigeria hereby invites pre-qualification documents from competent and experienced Contractors, Suppliers, and Vendors for the procurement of the following Equipment.

2. SCOPE OF WORK

LOT 1:

Procurement, Installation, Testing and Commissioning of Computer [Desktop] and other Accessories.

SPECIFICATIONS:

PROCUREMENT, INSTALLATION, TESTING AND COMMISSIONING OF COMPUTERS [DESKTOP] AND OTHER ACCESSORIES – LOT 1

S/N	List of equipment and its detailed specifications based on the course titles analyzed in workpackage x	Specification	Quantity
1	Computer (Desktop)	OptiPlex 3000 Tower, 12th Generation Intel® Core™ i5-12600 (6 cores, 12 threads, 18 MB cache, 3.3 GHz to 4.8 GHz, 65 W), Windows 11 Pro, English, Intel® graphics card, 16GB, 1 x 16GB, DDR4 memory, 1TB M.2 PCIe NVMe Class 35 SSD drive, OptiPlex 3000 Tower with 180W Bronze PSU	75
2	Keyboard and Mouse	MK120 CORDED KEYBOARD AND MOUSE COMBO	75
3	Flash Drive	32 GB, USB stick USB3.2, 32GB	50

4	SD Card With Adapter	SanDisk Ultra 64GB microSDXC Memory Card + SD Adapter with A1 App Performance Up to 120MB/s, Class 10, UHS-I	50
5	Micro-SD USB Hub (Reader)	TSUPY USB Hub 3.0 5 in 1, SD card reader USB extension 3 USB 3.0 + Micro SD card reader + SD card reader USB hub SD card for USB stick memory card Micro SD etc.	50
6	HDMI Cable	Basics High Speed Cable, Ultra HD HDMI 2.0, Supports 3D Formats, with Audio Return Channel, 1.8m, Black	50
7	Ethernet to USB Adapter	USB to Ethernet Adapter, BENFEI USB 3.0 to RJ45 1000Mbps Ethernet LAN Network Adapter, Compatible for Laptop, PC with Windows 7/8/10, XP, Vista, Mac [Nylon Braided & Aluminum Alloy]	50
8	AC-DC power Adapter (12V 3A)	ABLEGRID New Global 12 Volt Power Supply - 2.5 Amp Standard (12V 2.5A DC) AC Adapter 12VDC 2.5 A 12.0V w/ 5.5mm (Outside barrel) x 2.5mm (Inside Barrel) Center: Positive Tip	50
9	Lan Network Cable	deleyCON 2m CAT6 Patch Cable S/FTP PIMF Shielding CAT-6 RJ45 LAN DSL Network Cable Ethernet Cable Switch Router Modem Access Point Patch Panels - White	50
10	Micro USB cable	Amazon Basics 7A82V4 USB 2.0 USB A Male to Micro USB B Male Connection Cable (Pack of 1), 0.9 m, Black	50

LOT 2:

Procurement, Installation, Testing and Commissioning of Monitor, Router, Switch and other Accessories.

SPCIFICATIONS:

PROCUREMENT, INSTALLATION, TESTING AND COMMISSIONING OF MONITORS, ROUTERS, SWITCH AND OTHER ACCESSORIES – LOT 2

S/N	List of equipment and its detailed specifications based on the course titles analyzed in workpackage x	Specification	Quantity
1	Monitor	27 4K UHD USB-C Monitor - S2722QC	75
2	Router	TP-Link Archer C50 AC1200 dual-band WLAN wireless WiFi router (does not support DSL function, 300 Mbit/s(2.4GHz)+867 Mbit/s(5GHz), app control, IPv6, USB 2.0, print/media/FTP server)	25
3	Switch	TP-Link TL-SG108 8-port gigabit network switch (plug-and-play, 8* RJ-45 LAN ports, metal housing, IGMP snooping, unmanaged, fanless) blue metallic	10

LOT 3:**Procurement, Installation, Testing and Commissioning of FPGA – Kria KV260 Vision AI Starter Kit and other Accessories.****SPECIFICATIONS:****PROCUREMENT, INSTALLATION, TESTING AND COMMISSIONING OF FPGA - KRIA KV260 VISION AI STARTER KIT AND OTHER ACCESSORIES – LOT 3**

S/N	List of equipment and its detailed specifications based on the course titles analyzed in workpackage x	Specification	Quantity
1	FPGA	Kria KV260 Vision AI Starter Kit	75
2	FPGA	TUL PYNQ Z2 , based on Xilinx Zynq SoC	75
3	Keyboard and Mouse	MK120 CORDED KEYBOARD AND MOUSE COMBO for FPGA	75
4	STEM Learning Kits - evive	<p>A mighty creator kit for kids and beginners of all ages to give them the perfect start in the world of electronics, robotics, and programming.</p> <p>Gives kids the ultimate STEM experience with lots of exciting DIY projects.</p> <p>Comes with evive – the most versatile electronics prototyping platform.</p> <p>Contains hundreds of electronic and mechanical components.</p> <p>Includes a maker guide with instructions for 20+ DIY projects for experimenting with science, playing with circuits, and running robots among other things.</p> <p>Free visual programming software and project-making app.</p>	35

5	Creality K1 Max 3D Printer	<p>【King of Speed - 600mm/s Printing Speed】 The Creality K1 Max boasts an incredible printing speed of 600mm/s, making it 12 times faster than conventional FDM 3D printers. This exceptional speed significantly increases efficiency and productivity.</p> <p>【Printing Size - 11.81" x 11.81" x 11.81"】 With a spacious installation volume of 11.81" x 11.81" x 11.81", the K1 Max offers ample room for quick prototyping and design verification. Its impressive installation space to print size ratio of 25.5% makes it the most efficient FDM 3D printer in its class in terms of size.</p> <p>【Advanced AI LiDAR & AI Camera】 Equipped with a high-resolution AI LiDAR scanner, the K1 Max independently scans the first layer of your print. If any issues arise, printing is paused and you are immediately notified. Additionally, the AI camera detects and alerts you to spaghetti printing errors, foreign objects, dirt, and more. It also enables real-time monitoring and creates captivating time-lapse videos for sharing.</p> <p>【Stability and Quality - Stable Frame & Core XY】 The K1 Max features a precision-engineered one-piece frame made of CNC-milled cast aluminum, ensuring stability and high print quality. Combined with the agile Core XY system, this printer delivers stable printing even at high speeds.</p> <p>【Enhanced Heating and Cooling - Improved Ceramic Heating Block & Dual Cooling】 The K1 Max incorporates an upgraded ceramic heating block that fully encloses the hotend. With a heating time of just 40 seconds to reach 200°C, it efficiently melts the filament for immediate printing. The large fan on the print head, along with an 18W auxiliary fan in the printing chamber, effectively prevents stringing or distortion by rapidly cooling the model as it prints.</p>	5
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6	Signal Generator	<p>【Upgraded Signal Stability】 Seesii Dual-channel DDS arbitrary waveform generator adopts large scale FPGA integrated circuit and high speed MCU microprocessor. The internal circuit adopts active crystal oscillator as benchmark. So the signal stability is greatly strengthened.</p> <p>【Storage And Custom】 You can store 99 groups instrument state parameters set by the user, can be called up to Reproduce. Frequency output of Sine wave can be up to 60MHz. 200MSa/s sampling rate. It has 60 positions for saving user-defined waveform. In addition, it has a very good software package that allows you to create your own waves and frequency combinations. After you save them, you can disconnect the unit from the computer and use them for any applications you wish.</p> <p>【High Precise】 Using Dual-channel DDS signal and TTL electric level output to generate precise, stable, low distortion output signal. includes Sine wave, Square wave, Triangle wave, Sawtooth wave, Pulse wave, white noise, user-defined waveform etc. each channel can be independently set the parameters. Duty cycle of each channel can be adjusted separately. Precision can be 0.1%.</p> <p>【Frequency Meter】 With linear sweep(Max. up to 999.9s) and logarithmic frequency sweep functions. Has a frequency measurement, period measurement, positive and negative pulse width measurement and counting function. The settings allow you to enter up to 20volts</p> <p>【Lightweight Compact and Portable】 With intuitive control panel, you can easy to control. This Signal Generator is the ideal instrument for electronic engineering, laboratories, production lines, teaching and scientific research. This is an important tool for both experts and newcomers</p>	5
7	Oscilloscope 4 channel	<p>200 MHz;4 channels; 1 GSa/s; 14 M memory depth; 100,000 wfm/s waveform capture rate; 7 inch display (800*480 pixels); SPO technology, 1 Mpts FFT Serial bus triggering and decode (Standard), supports IIC, SPI, UART, RS232, CAN, and LIN Support MSO USB AWG Bode Plot USB WIFI</p> <p>200 MHz bandwidth / 4 channels</p> <p>Compatible with several options not available for the 2 channel model (SDS1202X-E) - mixed signal analysis, arbitrary waveform generator software, WiFi control, USB Isolated AWG Module</p> <p>Real-time sampling rate up to 1 GSa/s</p> <p>Record length up to 14 Mpts, 1 Mpt FFT</p>	5

3. ELIGIBILITY REQUIREMENTS

Prospective bidders should submit the following:

- a. Evidence of Certificate of Incorporation issued by the Corporate Affairs Commission (CAC) including Form CAC 1.1 or CAC2 and CAC7;
- b. Evidence of Company's Income Tax Clearance Certificate for the last three (3) years, 2021, 2022, 2023 valid till 31st December, 2024; with a minimum average annual turnover of ₦50 million.
- c. Evidence of Pension Clearance Certificate valid till 31st December, 2024 (this requirement is only applicable to bidders whose number of staff is 15 and above);
- d. Evidence of Industrial Training Fund (ITF) Compliance Certificate valid till 31st December, 2024 (this requirement is only applicable to bidders whose number of staff is 5 and above or the bidder's annual turnover is N50m and above);
- e. Evidence of Nigeria Social Insurance Trust Fund (NSITF) Clearance Certificate valid till 31st December, 2024;
- f. Evidence of Registration on the National Database of Federal Contractors, Consultants and Service Providers by submission of Interim Registration Report (IRR) expiring on 31st December, 2024 or valid Certificate issued by Bureau of Public Procurement (BPP).

g. Sworn Affidavit from High Court or Court of Coordinate Jurisdiction

- disclosing whether or not any officer of the relevant committees of the University of Port-Harcourt, Choba, Rivers State or the Bureau of Public Procurement is a former or present Director, shareholder or has any pecuniary interest in the bidder and to confirm that all information presented in its bid are true and correct in all particulars;

- that no Director of the company has been convicted in any Country for any criminal offence relating to fraud or financial impropriety or criminal misrepresentation or falsification of facts relating to any matter;

- that the Company is not in receivership, the subject of any form of insolvency or bankruptcy proceedings or the subject of any form of winding up petition or proceedings;

- That the company does not have existing loan or financial liability with a bank, other financial institution or third party that is classified as doubtful, non-performance, bad or whose repayment portion has been outstanding for the last four (4) months;

h. Company's Audited Accounts for the last three (3) years 2021, 2022 & 2023 duly acknowledged by FIRS

i. Reference Letter from a reputable Commercial bank in Nigeria, indicating willingness to provide credit facility for the execution of the project when needed;

j. Company's Profile with the Curriculum Vitae of Key Staff to be deployed for the project, including copies of their Academic/Professional qualifications such as COREN, QSRBN, ARCON, CORBON etc.;

k. Verifiable documentary evidence of at least three (3) similar jobs executed in the last five (5) years (2019 to date) including Letters of Awards, Valuation Certificates, Job Completion Certificates and Photographs of the projects;

i. For Joint Venture/Partnership, Memorandum of Understanding (MoU) should be provided indicating among others the Lead Partner (CAC, Tax Clearance Certificate, Pension Clearance Certificate, ITF

Compliance Certificate, NSITF Clearance Certificate, IRR & Sworn Affidavit are compulsory for each JV partner);

m. Evidence of Original Equipment Manufacturers Certificate from Manufacturers or Letter of Authorization.

n. Evidence in the CAC Documents indicating that the bidder is an ICT registered and practising Company,

o. Evidence of the Company's ability to embark on Global sourcing, if the need arises.

p. All documents for submission must be transmitted with a Covering/Forwarding letter under the Company/Firm's Letter Head Paper bearing amongst others, the Registration Number (RC) as issued by the Corporate Affairs Commission (CAC), Contact Address, Telephone Number (preferably GSM No.), and e-mail address. The Letterhead Paper must bear the Names and Nationalities of the Directors of the Company at the bottom of the page, duly signed by the authorised officer of the firm.

q. **All documents for submission must be arranged in the chronological order as in 3(a – o) above.**

4. SUBMISSION OF DOCUMENTS.

Two bound copies (original and photocopy) of the prequalification documents are to be sealed in an envelope indicating the Lot number and Project description clearly marked as "Technical Bid".

The sealed envelope is to be addressed to the Vice-Chancellor, University of Port Harcourt, Choba, Senate building, 3rd floor, University Park, and clearly marked with the name of the Project and the Lot number at the Top Left hand corner and drop it in the tamper-proof Box

Furthermore, the reverse of each sealed envelope should bear the name, address and telephone number of the bidder and drop in the designated Tender Box by the Vice-Chancellor's Visitor's Waiting Room not later than 12:00 noon, Tuesday, June 25, 2024.

5. OPENING OF PRE-QUALIFICATION DOCUMENTS

The submitted technical bids will be opened immediately after the deadline for submission 12:00 noon, Tuesday, June 25, 2024, at the Senate Chambers, University Park, University of Port Harcourt, Choba, in the presence of bidders or their representatives.

Please, ensure that you sign the Bid Submission Register at the point of submission as the University of Port Harcourt, Choba will not be held liable for misplaced or wrongly submitted bids.

6. GENERAL INFORMATION.

i. Bids must be in English Language and signed by an official authorised by the bidder.

ii. Bids submitted after the deadline for submission shall be rejected and returned un-opened to the bidder.

iii. Bidders should not bid for more than one (2) Lot, contravention is automatic dis-qualification.

iv. All costs incurred as a result of this tender invitation and subsequent requests for information shall be borne by the bidders.

v. Delivery of bids through Courier Services will not be accepted, if received after the deadline.

vi. The Bids will be opened immediately after the dateline in the presence of CSOs and Professional bodies and covered by video recording; invitation link will be sent to bidders who chooses to join the bid opening online;

vii. Only pre-qualified bidders at the technical evaluation will be invited at a later date for the collection of tender documents on presentation of remita receipts after payment of a non-refundable tender fees of N10, 000 into the University of Port Harcourt Treasury Single Account (TSA).

The University of Port-Harcourt, Choba, Rivers State is not bound to pre-qualify any bidder and reserves the right to annul the Procurement process at any time without incurring any liabilities in accordance with Section 28 of the Public Procurement Act 2007.

SIGNED:

REGISTRAR