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## CALL FOR EXPRESSIONS OF INTEREST

1. Supply, Delivery, Installation/ Mounting, Configuration, Testing, Training of Users and Commissioning of Smart Screens for Dual Course Delivery.
2. Supply, Delivery, Implementation, Integration with ERP, Testing, Training of Users and Commissioning of Portable Biometric Devices for Credit Control.
3. Supply, Delivery, License Activation and Testing of Network Security Unified Threat Management System.

Submission Deadline: 3<sup>rd</sup> August 2023

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### **RE: REQUEST FOR EXPRESSIONS OF INTEREST IN THE IMPLEMENTATION OF THE UNDERLISTED ICT PROJECTS.**

KCA University invites Expressions of Interest from interested eligible companies/ organizations to provide the ICT systems and services listed below:

- a) Supply, Delivery, Installation/ Mounting, Configuration, Testing, Training of Users and Commissioning of Smart Screens for Dual Course Delivery.
- b) Supply, Delivery, Implementation, Integration with ERP, Testing, Training of Users and Commissioning of Portable Biometric Devices for Credit Control.
- c) Supply, Delivery, License Activation and Testing of Network Security Unified Threat Management System.

Details of the required information can be downloaded FREE OF CHARGE from [www.kcau.ac.ke](http://www.kcau.ac.ke).

## **APPLICATION PROCESS AND MINIMUM REQUIREMENTS**

Interested and Qualified companies/ organizations should submit their applications which should include the following:

1. The proposed solutions for specific system(s)/ service(s), which comply with the technical specifications and provide the expected system outputs.
2. Attach technical data sheets for systems and products being implemented (where applicable).
3. Diagrammatic representation of system design and implementation architecture (where applicable).
4. Registration certificate/ certificate of incorporation.
5. Evidence that the company/ organization has been in existence for a minimum of five (5) years.
6. Evidence of having carried out similar assignments.
7. Evidence of being an authorized vendor of the products/ devices/ appliances/ software if different from the bidder (Attach a copy of vendor License/ authorization certificate)
8. Attach PIN/ VAT certificate and tax compliance certificate.
9. Attach CVs of technical staff with the capacity to implement the projects in which the company is expressing Interest.
10. List of referees- organizations where similar projects have been implemented to completion (attach commissioning certificates).

Expression of interest documents must be enclosed in plain sealed envelopes, marked with the titles:

- a) Expression of Interest for Supply, Delivery, Installation/ Mounting, Configuration, Testing, Training of Users and Commissioning of Smart Screens for Dual Course Delivery; **OR**
- b) Expression of Interest for Supply, Delivery, Implementation, Integration with ERP, Testing, Training of Users and Commissioning of Portable Biometric Devices for Credit Control; **OR**
- c) Expression of Interest for Supply, Delivery, License Activation and Testing of Network Security Unified Threat Management System;

and be deposited in the tender box provided at the procurement office, KCA University, Ruaraka campus in TPC Building on Thika Road during normal office working hours i.e. **Monday to Friday between 8.00 a.m. to 1.00 p.m. and 2.00 p.m. to 5.00 p.m. (Excluding public holidays)** and be addressed as follows: -

**The Vice Chancellor & CEO,  
KCA University,  
Thika Road, Ruaraka,  
P. O. Box 56808- 00200,  
NAIROBI**

To be received on or before Thursday 3<sup>rd</sup> August 2023 at 11.00a.m.

The expressions of Interest will be opened immediately thereafter in the presence of the those who have expressed Interest or their representatives who choose to attend the opening at **KCA University SOB Boardroom at 11.00 a.m. local Time.**

## **TERMS OF REFERENCE**

- a) Supply, Delivery, Installation/ Mounting, Configuration, Testing, Training of Users and Commissioning of Smart Screens for Dual Course Delivery.
- b) Supply, Delivery, Implementation, Integration with ERP, Testing, Training of Users and Commissioning of Portable Biometric Devices for Credit Control.
- c) Supply, Delivery, License Activation and Testing of Network Security Unified Threat Management System.

## **1.0 BACKGROUND**

KCA University is a Chartered private university in Kenya accredited by the Commission for University Education (CUE) to offer higher education. One of the University's strategic pillars is digital transformation. In pursuit of achieving the goals under the said strategic pillar, the University calls for Expression of Interest from suitably qualified ICT companies to implement projects listed under the terms of reference above.

## **2.0 OBJECTIVE OF THE ASSIGNMENT**

The main objective of the call for Expression of Interest is to enable the University to identify and engage capable technology companies to implement the three (3) ICT projects (listed under the terms of reference) in a professional, timely, and cost-effectively. Implementation of the three (3) projects will be guided by the scope of works defined in section 3.0 below and supporting contractual documents.

## **3.0 SCOPE OF WORKS**

The successful company/ organization will be expected to undertake the projects as follows:

- a) **Supply, Delivery, Installation/ Mounting, Configuration, Testing, Training of Users and Commissioning of Smart Screens for Dual Course Delivery. (Quantity: 10 pieces)**

The smart screen must meet the minimum requirements listed below:

- 1 Display Size and Resolution: 65 inches, with a high-resolution display (4K or UHD)
- 2 Touch Capability: A touch-enabled smart screen
- 3 Connectivity Options: options to support different devices and platforms HDMI, USB, DisplayPort, VGA sound output and video output.
- 4 Wireless connectivity (e.g., Wi-Fi or Bluetooth).
- 5 Ethernet connectivity
- 6 Capability to cast with laptops, tablets, and other devices, enabling seamless content sharing and presentation.
- 7 Screen mirroring capability from the smart screen to the laptop
- 8 Built-in Whiteboard capability with the stylus. The whiteboard should have the capability to open PDF, word, excel, and browser while still on the whiteboard.
- 9 High-quality built-in speakers: Built-in speakers and audio output options to ensure clear audio playback.

10. A high-quality camera of 4K, either built-in or plugged into the screen and can integrate with conferencing software such as Zoom, google meet, teams, etc.
11. Software Compatibility: Compatibility with common operating systems like Windows, macOS, and Linux ensures seamless integration with existing technology infrastructure.
12. Compatibility with educational software, video conferencing tools, and collaboration platforms
13. Accessibility Features: Incorporates accessibility features, such as screen magnification, colour adjustments, and closed captioning support.
14. Security Features: Incorporate security features such as data encryption, secure boot, and firmware updates.
15. Mounting Options and Durability: Available mounting options and stand-alone
16. Warranty and Support: Verify the warranty period and support options provided by the manufacturer.

**The smart screens should have the following accessories:**

- 1 Stylus PEN,
- 2 Power Cable,
- 3 USB Cable,
- 4 Remote control,
- 5 Mounting accessories.

**b) Supply, Delivery, Implementation, Integration with ERP, Testing, Training of Users and Commissioning of Portable Biometric Devices for Credit Control. (Quantity: 20 devices)**

Portable Biometric Access devices, system customizations, and performance must meet the minimum requirements listed below:

**1. Hardware Device Specifications**

- i. Portable Biometric Access devices for both Fingerprint and card systems with Time Recording with Large User Capacity.
- ii. 3rd Party Access Controller- Integration with third-party systems, e.g. turnstiles controlled by suprema biometric systems, ERP, etc.
- iii. Warranty - At least one (1) year warranty on devices.
- iv. Failover method- Solution should make provision for primary and secondary servers to handle failure.
- v. Anti-pass back- Anti-pass back features- of smart cards.
- vi. Clock/Time sync- All elements should sync Time with central server, realtime.
- vii. Security- Solution should be intelligent and have integrated security system based on TCP/IP protocol that provides configurable access at the gates.
- viii. Smart Card Read range- Proximity
- ix. GPS /Wifi Enabled- Mode of connectivity
- x. Backup power supply for fingerprint device- Voltage: 12V; Discharge hours: 10-12 hours

**2. Implementation / integration-** Integration with MS Dynamics NAV 2017

**3. Time attendance system:**

- i. Access students' identification information from ERP.
- ii. Integrate with timetabling module.
- iii. Produce time and attendance reports such as: Check In/Out detail report; Absenteeism / Presents report; Attendance Register; Over Time Report; My Shift Schedule.

**4. Tasks involved in implementation of biometric system project.**

- i. System customization,
- ii. Integration with ERP and other relevant systems,
- iii. Documentation of the project, including but not limited to user manuals, training materials, etc.
- iv. The license of web-based system,
- v. Training of users,
- vi. Post-implementation support period before SLA.

**5. Outputs- Custom Reports:**

- i. The devices should be able to read details of students from the ERP and display the following details: Name, Course, Units and Students fees balance.
- ii. Should support the generation of attendance lists by capturing such details about class attendance like: name and admission numbers of students who signed in, date, unit and the Time signed in.
- iii. Login System Report
- iv. Audit trail report
- v. Gate status report
- vi. Reader's status
- vii. Error reports
- viii. Hours inside the access area reports

**c) Supply, Delivery, License Activation and Testing of Network Security Unified Threat Management System. (Quantity: One (1) device)**

The following two firewall types and models shall be considered:

1. FortiGate 600F series with one (1) year license; with the following performance ratings (attach technical datasheet):
  - i. Support at least 8 x 1GE RJ45 ports
  - ii. Support at least 8 x GE SFP slots with 4 x 1GE SFP SX transceiver modules per appliance.
  - iii. Support at least 2 x 10 GE SFP+ Slots with 2 x 10GE SFP+ transceiver module short range per appliance.
  - iv. Support at least 2x GE RJ45 MGMT/HA Ports
  - v. Support a firewall throughput of at least 35Gbps
  - vi. Support an Enterprise NGFW throughput of at least 19 Gbps
  - vii. Support an Enterprise Threat Protection throughput of at least 17 Gbps
  - viii. Support an IPS Inspection Throughput of at least 24 Gbps.
  - ix. Support at least 420,000 New Sessions/Second
  - x. Support at least 1 Million / 2 Million Maximum Concurrent Sessions
  - xi. Support a IPSec VPN throughput of at least 55 Gbps

- xii. Must be supplied with at least 500 SSL VPN licenses and able to scale to 1500 when required
- xiii. Support 2\* 1 TB SSD

**OR**

- 2. Sophos XGS 3300 Standard, one (1) year license and all other accessories, with the following performance ratings (attach technical datasheet):
  - i. For 751-1000 user network
  - ii. Threat Protection throughput: 2.77 Gbps
  - iii. Concurrent sessions: 13,700,000
  - iv. 1 Year Services - Protection

#### **4.0 PROJECTS IMPLEMENTATION TIMELINES AND SCHEDULE**

The implementation timelines for the various projects will be documented in the service contracts and/ or project implementation charters.

#### **5.0 EXPECTED TASKS AND OUTPUTS BY THE SERVICE PROVIDER**

The service providers will be expected to deliver the projects as explained in the scope of works section of this document.

#### **6.0 PROJECTS DELIVERABLES**

The deliverables will be as stated in the scope of works section of this document. After the successful completion of each project, a commissioning certificate will be issued and signed by both parties.

#### **7.0 ESTIMATED TIMEFRAME AND FEE**

The service provider should indicate the proposed timeframe and fee to be charged for completion of each project the company/ organization is expressing Interest for. The agreed-upon timelines and fee shall form part of the project contract between the company/ organization and KCA University. The mode of payment shall be as agreed upon by the contracting parties.

#### **8.0 ETHICAL CODE AND PROFESSIONALISM**

The service provider shall carry out the above assignment in accordance with the highest standard of ethical competence, integrity and professionalism, having due regard to the nature and purpose of the assignment. The service provider shall, at all times and purposes, regard as strictly confidential all knowledge and information not within the public domain which may be acquired in the course of carrying out this assignment and the information shall not be directly or indirectly disclosed to any person whatsoever, except with written permission by the Vice Chancellor & CEO of KCA University.