



INVITATION TO TENDER FOR THE PROVISION OF END-USER DEVICES AT SELECTED UNIVERISITIES AND THEIR RESPECTIVE ANNEX CAMPUSES UNDER THE UnICC- PROJECT

1. INTRODUCTION

The Universal Service Provision Fund (“the USPF”) was established to facilitate rapid achievement of national policy goals for universal service and universal access to Information and Communication Technologies (ICTs). The mandate of the USPF is to facilitate the widespread availability and usage of network services and application services throughout Nigeria by providing funding through subsidies and grants for the provision of network facilities, network services and application services to rural, un-served and under-served areas or to under-served groups within an institution or community.

Currently the USPF is providing Optic Fibre Cable (OFC) to connect selected Universities to their corresponding Annex Campuses, Teaching Hospitals and Medical Colleges in order to complement the Nigerian Research and Education Network (NgREN) initiative of the National University Commission (NUC)

In order to enhance the above USPF desires to provide relevant electronics and other peripherals such as video conference facilities, smart classroom equipment, data centres and other associated devices that will optimally utilise the links to enable seamless communication between universities main campuses their teaching hospitals/medical colleges across the country. To this end USPF has provided funds in the 2016 budget to facilitate the implementation of the University Inter-Campus Connectivity Project (End-user) in selected locations across the country.

2. OBJECTIVES OF THE PROJECT

The UnICC project is designed to achieve amongst other things, the following:

- Seamlessly connect the Universities and their Medical Colleges to achieve bi-directional communication for the purpose of sharing and accessing information.
- Provide a platform for sharing bandwidth resources and creating a reverse path for backup in the event of downtime.
- Provide the requisite link for voice, data, video and other multimedia services (including conference facilities).
- Provide end user devices required for the successful utilisation of the laid fibre optic links between the eight selected Nigerian Universities and their corresponding Annex Campuses or Teaching Hospital (as applicable) under the UnICC (OFC) project. This project shall include the supply, installation, inter-connection and testing of all supplied equipment and devices.

3. SCOPE OF WORK

The scope of shall include but not limited to:

The end-user devices will enable the utilisation of the fibre optic facilities provided by the UnICC project to be used for the purpose of learning and research.

Table 1. Project Scope/Requirements

S/No	Component	Key Activity	Description
1	Application	Supply, installation and configuration of Video conferencing infrastructure for audio-visual knowledge transfer	Teaching Hospital End High definition video conferencing equipment with PTZ, minimum 360° Pan, 210o Tilt, 10X Optical Zoom, wide angle camera, minimum 50 inch LCD screen and omni directional microphone. System must be technical/telemedicine specific.
			Medical College End High definition video conferencing and minimum 50 inch LCD screen with Fp1080 and omni directional microphone.
			Minimum 24 port Multi Point Control Unit (MCU) for tele-conferencing
2	Edge Devices	Supply, installation and configuration of Routers/Switches	Multi-port enterprise standard routers and switches to be provided for the data centres
3	Equipment Hosting Environment	Network equipment rooms at the Main Campus and Annex Campus	Power solution to support infrastructure and provide backup during outages, including rack mount UPS/Inverter systems with 32/200AH batteries for up to 48 hours backup. Air-conditioning system for IT equipment room; Single door Access Control System with log storage, log reporting & printout, card and biometric access

			capabilities (bidders should note that this component is to be provided inclusive of security doors and all adjunct door release/closing mechanisms). Fire protection and suppression system that does not utilize water, halon or any agent proven to be harmful to equipment and humans. The system must leverage very early smoke detection apparatus and be capable of triggering containment action through the suppression pre-designated systems/person or points of detection and containment action. Multi-user IP based telephone system. 8 X Camera CCTV systems with management terminal, digital recording, night vision and alarm notification capabilities. Alarm in response to pre-defined activity observance or exception must be highly audible and must also be able to notify by electronic mail to pre-designated recipients. Two (2) No. 42U rack with locking mechanism. The required category 6 cabling to support all aforementioned systems.
4	Smart Classroom/Lab	Supply, installation and configuration of Smart classroom systems, PC, LAN and Wireless APs	Installation and testing of Smartpro interactive Projector, Ultimate Presentation Podium, Touch Screen PCs wiring and configuration of LAN and Wireless Access points.
5	Data Management, Backup and Recovery	Supply, installation, configuration, training and support for Data management solution	Design, installation and configuration of Data Management solution for at least 200 PC using stand alone and reliable solution from an established
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5	Data Management, Backup and Recovery	Supply, installation, configuration, training and support for Data management solution	Design, installation and configuration of Data Management solution for at least 200 PC using stand alone and reliable solution from an established vendor
6	Installation, Testing & Commissioning	All equipment supplied must be installed, tested, commissioned or certified as applicable.	Perform testing and commissioning of all devices, systems and equipment independently and in conjunction with USPF appointed agents.
7	Training	Basic training on equipment installed	Undertake basic usage and maintenance training on all equipment supplied, installed and configured.
8	Site Survey	Conduct site assessment and survey	Site assessment and surveys shall be conducted independently by the Bidder to verify the information provided by the USPF or its agent as contained in the tender document

4. DELIVERABLES

- Submit a comprehensive completion report of UnICC End-User provision in all sites and locations. The report should list all the equipment provided, waybill, delivery notes and drawings, charts etc.
- Submit IP addresses, User names, Passwords, Keys, Access codes, Maintenance Manuals, Software license codes, names of contact persons & GPS co-ordinates of each site
- Submit Final Acceptance Test report
- Submit signed Maintenance Agreement document stating the starting and end dates of 1 year support period.