

AFRICAN UNION
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**REQUEST OF PROPOSAL FOR INSTALLATION AND CONFIGURATION OF THE
AUNS PORTAL BACKUP SERVER**

Introduction

The African Union, established as a unique Pan African continental body, is charged with spearheading Africa's rapid integration and sustainable development by promoting unity, solidarity, cohesion and cooperation among the peoples of Africa and African States as well as developing a new partnership worldwide. The Scientific, Technical and Research Commission (STRC) of the African Union is a specialized technical institution of the African Union with a long history, at the vanguard of promotion of science and technology in the past 5 decades at the continental level.

Knowledge development and utilization is one of the strategic objectives of the STRC to achieve an African knowledge based society, as part of the Science Technology and Innovation Strategy for Africa (STISA-2024). In this regards the STRC is establishing the African Union Network on Sciences (AUNS).

AUNS is a virtual network that involves a wide range of individuals working together to address the African Science and Technology challenges. It is a platform where African Scientist, Engineers, Technology Developers, Innovators and Inventors will be able to interact, cooperate, exchange information/knowledge and complement one another in research and academic work. Also it is a breaking through to introduce the virtual lab, virtual library and open source to the African Scientists. A concept paper is attached here for additional information

Against this backdrop the African Union STRC invites applications for the services of an IT Consultant to assist in the installation and configuration of the server for backup of the data for African Union Network of Sciences development of an application for the African Union Network of Sciences.

Project

The project falls under the 'The African Knowledge Bank is enriched and Intra Africa Cooperation in Science, Technology and Research is boosted' and aims to install and configure of the server for backup of data for the African Union Network of Sciences

Scope of Assignment

1. Implementation of Local Area Network for the Backup System and access devices
2. Racking the Hardware (Switch, Router, Internet gateway etc.)
3. Installation of inverter system
4. Installation and configuration of router
5. Configuration of firewall
6. Installation of the Server Operating system
7. Installation and configuration of database management system using MySQL
8. Installation and configuration of Apache webserver
9. Configuration of MySQL replication for heart-beat backup system
10. Implementation of MASTER-SLAVE relationship with the Cloud server
11. Testing the backup system
12. Develop operating procedures for system administration activities including system monitoring, performance tuning, backup/recovery, server architecture design and system maintenance.
13. Perform any other duties as may be assigned

Time Line

The time period of the assignment is fixed term contract for a period of one (1) month from the date of the contract signing

Expertise Requirements

Advanced academic qualifications in the domains of IT, computing, engineering or any other related fields of study

Over 10 years working expertise in Information assurance, networking and development of web-based information systems.

Practical knowledge in designing and building solutions using ASP .NET, SQL, HTML5, CSS3, PHP, Java Script, Bootstrap, JQuery and C style language (C, C#, C++) and any other experience in relation to the scope of the assignment.

Deliverables

1. A properly installed and configured on the server and all related infrastructure as per the scope of the assignment
2. To demonstrate that the existence of efficiency in the data synchronization, interaction and transfer between the cloud host server and the backup server
3. An overall technical report detailing the installation, configuration of the server, networking, and entire backup process including a user manual

Application and Deadline

All applications should furnish the Commission with:

1. Technical and financial proposal as per the scope of the assignment
2. Experience in the fields of study related to the scope of the assignment and any other related assignment

The Commission invites bids from individuals and companies with the requisite experience to submit to this request for proposal. The Commission reserves the right to change these terms and conditions at any time.

All applications must reach the African Union STRC not later than 24th May 2018 on the address below.

African Union Scientific Technical and Research Commission
Plot 114 Yakubu Gowon Crescent, Asokoro
Abuja, Nigeria