INVITATION TO TENDER

german cooperation
DEUTSCHE ZUSAMMENARBEIT

Implemented by:
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

SUPPLY AND INSTALLATION OF SERVER NETWORKING AND OPERATING SYSTEM FOR CLIMATE FINANCE KNOWLEDGE HUB

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) intends to tender for the Supply and Installation of Server Networking and Operation Systems.

The GIZ Office Accra now invites tenderers to submit, free of charge and without obligation on the part of GIZ, a tender based on the following terms and conditions. Non-conformity with all conditions mentioned could lead to the exclusion of the bid.

Tenders should be valid for a period of **three (3) months** after the deadline of Tender submission.

Prices shall be fixed prices. Prices shall be free of VAT and other public charges. Prices shall be quoted in Ghana Cedis.

All interested suppliers are required to submit **a letter, a company profile, and their quotes** according to the specifications below, to the GIZ Office Accra

No.	ITEMS	SPECIFICATIONS	QUANTITY
		Server Networking (supply and installation)	
1	Ethernet Cable	• Cable type: UTP	2 drums
2	48 port gigabit switch	• Minimum number of Ports: 48 • at least 2 SFP Ports • Switch type – Managed switch • 10/100/1000 Ethernet, with support for 802.3af PoE, power port for AC adapter or power cord • Slot for Kensington lock • Mounting options - Desktop or rack mount with mounting kits	1
3	24 port gigabit switch	• Minimum number of Ports: 24 • at least 2 SFP Ports • Switch type – Managed switch • 10/100/1000 Ethernet, with support for 802.3af PoE, power port for AC adapter or power cord • Slot for Kensington lock Mounting options - Desktop or rack mount with mounting kits	1
4	Server Rack	• 12U rack with fan	1
5	Patch Panel	• 48port Cat6 Patch panel, fully loaded	1
6	Patch Panel	• 24port Cat6 Patch panel, fully loaded	1
7	Access Point	• 802.11ac Wave 1 WiFi technology • 5 GHz (3x3 MIMO) band with a 1.3 Gbps throughput rate • 2.4 GHz (3x3 MIMO) band with a 450 Mbps throughput rate • Powered with 802.3af PoE or 802.3at PoE+* • 2 x 10/100/1000 GbE RJ45 ports • BSSID Up to 8 per Radio • Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) • Wall/Ceiling mounting (with Kits Included)	4
8	Access Point Controller	• Front panel display for at-a-glance system details. • Max. Power Consumption:12.95W (PoE). • USB-C Power • SDN network management software • Should be of the same brand as access point quoted above for maximum compatibility	1
9	Cost of Installation and cable laying (labour)		
10	Cable trunks		40
11	Cat6 Network Cables - 5m		40
12	Cat6 Network Cables - 2m		72
13	Firewall hardware (1 year warranty) and Firewall software license (1 year subscription)	• Next-Generation Firewall • Next-Generation Intrusion Prevention System (NGIPS): 1.5Gbps • Form Factor (Rack Units): 1RU • Integrated I/O: 8 x RJ-45, 4 x SFP • Integrated network management ports: 1 x 10M/100M/1GBASE-T Ethernet port (RJ-45) • Serial Port: 1 x RJ-45 console • USB: 1 x USB 3.0 Type-A (500mA) • Storage: 1 x 200 GB • Power Supply Configuration: +12V • 100 to 240V AC • AC maximum input current: < 2A at 100V, < 1A at 240V • AC maximum output power: 100W • AC frequency: 50 to 60 Hz • AC efficiency: >85% at 50% load	1
13	Firewall hardware (1 year warranty) and Firewall software license (1 year subscription)	**Features:** • throughput: Firewall (FW) + Application Visibility and Control (AVC) (1024B): 1.5Gbps • Throughput: FW + AVC + Intrusion Prevention System (IPS) (1024B): 1.5Gbps • Maximum concurrent sessions, with AVC: 200K • Maximum new connections per second, with AVC: 15K • Transport Layer Security (TLS): 700Mbps • IPSec VPN throughput: 1 Gbps • Maximum VPN Peers: 150 • Device Manager (local management): Yes • Centralized configuration, logging, monitoring, and reporting are performed by the Management Center or alternatively in the cloud. • AVC: Standard, supporting more than 4000 applications, as well as geolocations, users, and websites. • AVC: OpenAppID support for custom, open-source application detectors - standard • URL filtering: number of categories: More than 80 • URL filtering: number of URLs categorized: More than 280 million. • Automated threat feed and IPS signature updates: yes • Third-party and open-source ecosystem: Open API for integrations with third-party products; Snort® and OpenAppID community resources for new and specific threats • High availability and clustering: Active/standby • Standard Security Intelligence with IP, URL, and DNS threat intelligence • Advanced Malware Protection (AMP) for Networks • Threat Defense, Malware and URL - subscription license (1 y) • Warranty: 1 year Smart Net Total Core Service: 1 year	1
		Operating System – Microsoft Volume License (supply only):	
14	Windows Server 2022 Standard CAL 16 Core License Pack + 10 CALS		1
15	Mirror Server Application		1

Tenderers will be required to provide the following:

- Signed Letter of Bid and Company Profile
- Priced Quotation (to the Required Specification)
- Valid Tax Clearance Certificate
- Business Registration Certificate
- VAT Registration Certificate
- Valid SSNIT Clearance Certificate

Delivery period must be indicated.

PLEASE NOTE:

THE CURRENCY OF YOUR OFFER SHOULD BE IN GHANA CEDIS

Tenders Number: 91179674/ 21.2274.5-001.00 "Supply and Installation of Server Networking and Operating Systems"

Tenders should be addressed according to the tender number.

The Procurement Unit
GIZ Office
Tender No.
P.O. Box KA 9698

Accra Office Location: **No.7 Volta Street, Airport Residential Area, Accra**

Not later than **25th March, 2024.**

"Please note that participating in a tendering process of GIZ is free of charge for bidders. At no phase of the process is the bidder required to make any payment to GIZ or to one of its employees. Should a bidder receive such a request, the bidder should report this incident to the GIZ management giz-ghana@giz.de

Should a bidder receive such a request and make any payment, the bidder will be excluded from future business with GIZ."

Caution: "Bidders who offer any type of payments to GIZ employees will be excluded from future business with GIZ."