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ANNEXURE A

DATA CABLING INFRASTRUCTURE INSTALLATION

Dated: 26/09/2023

1. PURPOSE

The Silulu SeSiSwati National Lexicography Unit (NLU) under the hospices of Pan South African Language Board (PanSALB) seeks to appoint a suitably qualified service provider for the provision of data cabling infrastructure in Nelspruit, Mpumalanga with a work guarantee and testing certificate. The supply, installation, and maintenance of data cabling (e.g. on-site warranty, response times (minimum time to respond and maximum time to resolve) with guaranteed QoS, uptime and service availability with special provision of peak periods (e.g. Registration) number of hours on site.

2. SCOPE OF WORK

The implementation of the system will address the following minimum aspects:

- TIA/EIA Structured Cabling Standard of Cat 6a with Krone or Molex
- Powering on equipment after ensuring correctness of terminations, interfaces and power supply and making the system ready for testing and commissioning.
- Testing of LAN Cables after laying, terminations and ferruling at both ends. All testing tools and instruments shall be brought by the bidder and taken back after the testing.
- Field testing and commissioning of system, including integration with network for internet connectivity.
- Site acceptance tests to establish satisfactory performance of the equipment's as per specs.
- Assistance for familiarization and operation of the installed system and services for 6 months after acceptance of system as part hand over.
- Onsite warranty for all hardware/software delivered aligned to OEM (Original Equipment Manufacturer).
- All supplied equipment supplied by the bidder must be compatible to the network needs, Cat 6a Cable Krone or Molex.

3. DELIVERABLES

- The exact sitting of equipment's and cabling routing shall be determined by the service provider in consultation with NLU. The bidder shall prepare own proposed cable routing diagram and estimate the quantities of Krone or Molex cable, conduit, and channels.
- All active LAN components shall be of the same make/manufacturer throughout and shall be covered under same back-up guarantee.
- Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment's and/or needed for erection, completion and safe operation of the equipment's as required by applicable codes though they may not have been specifically detailed in the technical specification, unless included in the list of exclusions, from the same OEM, to ensure full compatibility and inter-working and inter-operability.
- The Bidder shall also be responsible for deputing qualified and certified Krone or Molex personnel for installation, testing, commissioning, and other services under the scope of work as per the specification. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
- All interconnecting cables required to connect the communication equipment shall be furnished. All cables shall be fully assembled connector pre-terminated, and factory tested as part of overall system checkout. Cables shall be neatly and properly tied up and dressed using appropriate cable hangers. All the cables, connectors, sockets, panel's etc shall be labelled for identification purpose.
- The Bidder shall perform the services and carry out their obligations with all due diligence, efficiency, and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ advance technology and safe methods. The Bidder shall always act, in respect of any matter relating to this project or to the services, as faithful advisers to the NLU and shall always support and safeguard NLU's legitimate interest in any dealings with sub-contractors or third parties.

4. BILL OF MATERIAL

Please note that the quantities are approximate. The exact quantities shall be verified with the successful bidder during a site visit prior to the commencement of the project.

| Description | Quantity |
|---------------------------------------|----------|
| 9 'U' Swing Rack Wall Mount | 1 |
| 18 Port Patch Panel | 1 |
| Cat 6a Krone/Molex 3M Fly Lead | 12 |
| Cat 6a Krone/Molex 1M Patch Lead | 12 |
| Brush Panel | 1 |
| Cat 6a Network Points Termination Box | 12 |
| Sundries -Skirting/ dual compartment | |

Service Response Priority Levels:

| Priority 1 | Priority 2 | Priority 3 | Priority 4 |
|--|--|---|---|
| Response Time – 2 Hours | Response Time – 4 Hours | Response Time – 1 Business Day | Response Time – 2 Business Days |
| Any failure of the system resulting in a critical impact on business operations. | Total failure of a system resulting in serious but non-critical impact on business operations, Or, Partial failure of a system causing large numbers of users to be unable to function thereby causing serious but non-critical impact on business operations. | Failure of a system resulting in slight impact on business operations, Or, Partial failure of system either causing large numbers of users to be slightly hindered or a small number of users to be seriously impacted with slight impact on business operations. | Low level fault to one or more users not affecting business operations. |

REQUIRED INFORMATION

- Executive Summary detailing bidders understanding of the requirements of this bid and detailed proposed solution to address specific functional/technical requirements of this bid.
- Project Management costs breakdown.
- Provide a minimum of 3 contactable client references where the provision of services required in this tender was rendered.
- Provide and attach Kroner or Molex Copper Cable installation certificate.