

UNIVERSITY
OF
JOHANNESBURG

High Level Requirements

for

Tender T UJ 11/2023 DFC On-Campus Fibre Upgrade Project

Table of Contents

1. Overview
2. Site Inspection
3. Requirements
4. Project Management
5. Additional notes
6. Bill of Quantities
7. Technical Adjudication
8. Check List

Requirements

1. Overview

The University of Johannesburg (UJ)'s Information and Communications Systems department (ICS) is responsible to provide IT services to enable UJ to meet its strategic objectives of research, teaching and learning. To achieve this, a very stable, reliable, high performance and secured wired and wireless network is required. The university has over 50 000 full-time students across the four campuses and employs over 4 000 staff connected to the network.

The ICS department is currently undertaking a project to install fiber infrastructure to DFC on campus and buildings. This includes route building from the Network cabinet into the Auckland Doorfontein Campus (DFC) Data Centre. We request that suppliers submit proposals as per the specifications and requirements stated below.

2. Site Inspection

Before submitting a tender, the tenderers are **strictly required to inspect the sites** in order to familiarise themselves with regard to relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.

Tenderers are requested to bring measuring wheels on the day of the Site briefing.

3. Prerequisite Requirements

Annexure A (2) to be referenced for pricing and submission.

3.1 Mandatory Requirements:

The successful supplier **must** meet the following requirements failure to submit will disqualify your submission:

3.1.1 Must be a Certified Fiber Installer. Valid Certificate and Proof to be provided. Fiber Certifications should be a BICSI Regulation Industry Standards affiliated e.g.

- Molex
- Krone/Commscope
- Telegartner
- Siemon

3.1.2 **NB:** Must have a minimum of at least three employees that are BICSI/FOA OEM Partner Certified that will be installers in this project. Proof to be provided.

3.2 Experience and Qualifications:

To ensure the delivery of quality work the service providers must have the following competencies and expertise:

- The company must have a Minimum of five (5) years in rendering similar services, proof to be provided.
- Must have at least a minimum of three (3) employees that are valid BICSI/FOA affiliation Certified that will carry out the installation. Proof to be provided. Failure to produce will result in a disqualification.
- UJ will conduct a validity check of the certifications with the relevant issuing boards.
- For FOA resources certificates they must no be older than 5 years. (Continuously renewed).

3.3 References:

- Minimum of three (3) verifiable and contactable references for similar services rendered successfully.
- UJ reserves the right to contact and verify the validity of the references.

3.4 General

- 3.4.1 Responsibility lies with the winning supplier to oversee that work gets completed on time and to the quality standards as stipulated by UJ and ICASA.
- 3.4.2 The Service provider to be a **qualified fiber cable installer (micro-duct blown fiber)**.
- 3.4.3 Site inspection to be done before materials are ordered.

3.5 On Completion of the Project

- 3.5.1 AS–built diagram and documents indicating full installation of fiber cabling from Data center to each building to be supplied by the winning Service Provider after the installation.
- 3.5.2 In accordance with ANSI TIA-606-C standard. Labelling of fiber cables on the cable itself and the splice trays indicating where the cable is terminating.
- 3.5.3 Strictly OLTS and OTDR complete testing results to be produced on all fiber cables.
- 3.5.4 **Fiber Optic Test Report is a prerequisite.**

4. Project Management

Project management methodology clearly indicating guiding principles and the execution of this project must be included.

The project duration from site handover will be 8 months (from site handover). The service provider to ensure that the programme/methodology to demonstrate the following:

- The programme to be sequenced properly
 - The activities need to be linked
- 4.1.1 Installations should be conducted during normal office hours but where cut overs are needed after hours installations will need to be accommodated for.
 - 4.1.2 High level project plan and relating to this project to be included as part of the submission.
 - 4.1.3 Detailed project plan will be required by the successful service provider after awarding.

5. Additional notes

- The response must strictly adhere to the requirements. Deviations must be clearly mentioned and explained. However, it will be at the sole discretion of UJ to accept or reject such deviations.
- Health and Safety file to be submitted after the award and compliance to government protocols to be strictly adhered to.
- Contract to be signed between the two parties before commencing with the installation for the full period including installation and maintenance for 1 year.
- The pricing schedule must be submitted in two formats 1. Excel spreadsheet and 2. PDF document
- If different calculation formula on priced items was used it should be indicated and mentioned on notes failure to do that will result in a disqualification. E.g. (were labour was not calculated on per item basis or was inclusive).

Network Rooms and Cabinets

Venue/Network Room	Fibre Cores	Distance
Peace force Building	12 SM	350m
Kodak Building	12 SM	430m
Dale Lace/Lesedi Res	12 SM	525m
John Orr 2Floor	12 SM	610m
New Clinic	12 SM	670m
Ulwazi Lecture Venues	12 SM	750m
John Orr Ground	3x12 SM	1140m
Atrium		
West Side UPS		
Cyber Centre		
John 1 st Floor 1306	12 SM	380m
John Orr 2 nd Floor	6x12 SM	2280m
2304		
2320		
2153		
2407		
2412		
Gen Lab		
Library	3x12 SM	1140m
John Orr 4 th Floor	8x12 SM	3040m
4321		
4218		
4400		
4317		
4408		
4412		
4143		

Sim Lab		
John Orr 5 th Floor	6x12 SM	2280m
5132		
5400		
5217		
5218		
5405		
5219		
John Orr 6 th Floor	9x12 SM	3420m
6154		
6221		
6400		
6215		
6414		
6411		
6303		
6311		
John Orr 7 th Floor	3x12 SM	1140m
7200		
7222		
7315		
Civil Engineering	12 SM	200 m
QK Building Lower Ground	12 SM	400m
QK Building Ground	12 SM	360m
QK Building 1 st Floor	12 SM	400m
QK Building 2 nd Floor	12 SM	470m
AVS Container Computer Labs	2x12 SM	480m

6. Technical Adjudication

This Tender will be evaluated in three phases:

Phase 1 – Compliance to mandatory documents required

Phase 2 – Functionality

Phase 3 - Financial and Other

6.1 Phase 2 – Functionality Evaluation Criteria

Criteria	Sub-criteria	Points
Bidder's proposal must fully meet UJ requirements for this SLA (bidders must submit a proposal adhering to all UJ requirements, Bill of Quantities, and pricing sheet to qualify for the points indicated)	<p>Bidder's proposal that fully meet UJ requirements, Bill of Quantities, and pricing sheet for this SLA = 40 points</p> <p>Bidder's proposal that does not fully meet UJ requirements, Bill of Quantities, and pricing sheet for this SLA = 0 points</p>	40
Bidder's relevant experience for the assignment (The bidder must attach a signed reference letter with a letterhead from the clients where similar services were provided to qualify for the indicated points)	<p>The reference letter must bear the letterhead of the organization where similar services were provided. UJ reserves the right to contact these organizations, without prior notice to the bidder.</p> <ul style="list-style-type: none">• Bidder with no and or less than three reference letters without similar services =0 points.• Bidder with three reference letters of contracts of similar services = 10 points.• Bidder with four reference letters of contracts of similar services = 20 points.• Bidder with five and or more reference letters of contracts of similar services = 30	30

	<p>points.</p> <ul style="list-style-type: none"> • NB Reference letters must be dated and must not be older than 5 years. 	
<p>Experience of bidder's two resources that will be assigned to the SLA:</p> <p>(The bidder must attach proof of qualifications/certifications of the two resources assigned to this SLA to qualify for points.</p>	<p>Proof of qualifications/certifications for the two resources will be used for allocation of points as follows:</p> <ul style="list-style-type: none"> • Two resources with Molex Certification = 15 points • Two resources with Fiber Certification = 15 points <p>Please note the following:</p> <ul style="list-style-type: none"> • If the bidder provides one resource instead of two resources, they will get zero points. 	30
Total points		100

Point Allocation:

A minimum of 70 points is required by any tenderer before further evaluation. All tenderers who achieve 70 points or more and who provide valid proof of the required certifications will be evaluated equally in terms of Phase 2. Should a tenderer provide invalid, expired or no proof of the required certifications, they will not be evaluated further in terms of phase 2, for price and B-BBEE.

6.2 Phase 3 - Financial and Other

- Price (80 points)
- BBBEE (20 points)

DOCUMENTS:

1. Requirement's document
2. Full Specifications and BOQ for compliance to
3. Diagram

Kind Regards,

Ndivhuwo Khorommbi

Technician: Network Technician

Signature *ndivhuwo khorommbi*

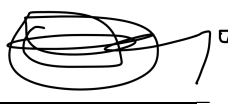
Date 21/04/2023

Approved by

Mr. Tsakani Mhlongo,

Manager: Network and Telephone

ICS Department

Signature 

Date 21/04/2023

Mr. Joshua Ntsioa

Director: Network and Telephony

ICS Department


Signature 

Date 21/04/2023

Mrs Sibanda Khathu

CIO: ICS

ICS Department

Signature 

Date 21/04/2023