

Annexure A



UNIVERSITY
OF
JOHANNESBURG

UNIVERSITY OF JOHANNESBURG

T UJ 30 2024 Data Re-cabling Project – UJ on Stanley

SPECIFICATIONS

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1. Introduction

The University of Johannesburg (UJ)'s information and communications systems department (ICS) is responsible for providing IT services to enable UJ to meet its strategic objectives of research, teaching and learning. To achieve this, a very stable, reliable, high performing and secure wired and wireless network is required. The university has over 50000 full-time students across the four campuses and employs over 4500 staff connected to the network.

The service provider must have a successful track record in providing cabling and Molex certified.

The ICS department is undertaking a project of re-cabling of a building called UJ on Stanley.

2. Bill of Quantities (BOQ)

We request that service providers provide pricing for the following:

	UJ ON STANLEY				
	DATA CABLING SPECIFICATIONS				
1.	Data Requirements - Fully Installed:				
		Quantity	Unit	Total	
1.1	WIFI Data Points				
1.1.1	Molex Cat6 Single Data point - Surface Mount	65			
1.1.2	500mm Molex Cat 6 Fly Lead Moulded - Grey	65			
1.1.3	4x4 PVC Extension Box with Blank Cover Plate	65			
1.2	General Data Points for Offices				
1.2.1	Molex Cat6 Single Data point - Surface Mount	1000			
1.2.2	3 Meter Molex Cat 6 Fly Lead Moulded - Grey	1000			
1.3	CCTV Access Control Data Points				
1.3.1	Molex Cat6 Single Data point - Surface Mount	50			
1.3.2	3 Meter Molex Cat 6 Fly Lead Moulded - Grey	50			
1.3.3	4x4 PVC Extension Box with Blank Cover Plate	50			
1.4	Cabinet Rooms				
1.4.1	Molex Cat 6 Patch Panel-24 way	52			
1.4.2	Brush Panel	150			
1.4.3	2 Meter Molex Cat 6 Patch Lead Moulded - Green	1115			

1.5	Fibre Cabling Requirements (per floor - 1)				
1.5.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.5.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.5.3	LC 1 meter unjacketed pigtail	8			
1.5.4	LC midcouplers - Duplex	4			
1.5.5	LC-LC 3 meter fibre lead (MM) DUPLEX	2			
1.5.6	Splices	8			
1.5.7	Fibre Testing with test results	16			
1.6	Fibre Cabling Requirements -2				
1.6.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.6.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.6.3	LC 1 meter unjacketed pigtail	8			
1.6.4	LC midcouplers - Duplex	4			
1.6.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.6.6	Splices	8			
1.6.7	Fibre Testing with test results	16			
1.7	Fibre Cabling Requirements -3				
1.7.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.7.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.7.3	LC 1 meter unjacketed pigtail	8			
1.7.4	LC midcouplers - Duplex	4			
1.7.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.7.6	Splices	8			
1.7.7	Fibre Testing with test results	16			
1.8	Fibre Cabling Requirements -4				
1.8.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.8.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.8.3	LC 1 meter unjacketed pigtail	8			
1.8.4	LC midcouplers - Duplex	4			
1.8.5	Splices	8			
1.8.6	Fibre Testing with test results	16			
1.9	Fibre Cabling Requirements -5				
1.9.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			

1.9.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.9.3	LC 1 meter unjacketed pigtail	8			
1.9.4	LC midcouplers - Duplex	4			
1.9.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.9.6	Splices	8			
1.9.7	Fibre Testing with test results	16			
1.10	Fibre Cabling Requirements -6				
1.10.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.10.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.10.3	LC 1 meter unjacketed pigtail	8			
1.10.4	LC midcouplers - Duplex	4			
1.10.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.10.6	Splices	8			
1.10.7	Fibre Testing with test results	16			
1.11	Fibre Cabling Requirements -7				
1.11.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.11.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.11.3	LC 1 meter unjacketed pigtail	8			
1.11.4	LC midcouplers - Duplex	4			
1.11.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.11.6	Splices	8			
1.11.7	Fibre Testing with test results	16			
1.12	Fibre Cabling Requirements -8				
1.12.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.12.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.12.3	LC 1 meter unjacketed pigtail	8			
1.12.4	LC midcouplers - Duplex	4			
1.12.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.12.6	Splices	8			
1.12.7	Fibre Testing with test results	16			
1.13	Fibre Cabling Requirements -9				
1.13.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.13.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.13.3	LC 1 meter unjacketed pigtail	8			



1.13.4	LC midcouplers - Duplex	4			
1.13.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.13.6	Splices	8			
1.13.7	Fibre Testing with test results	16			
1.14	Fibre Cabling Requirements -10				
1.14.1	Fibre 8 Core OM3 Multi Mode (10Gig Capable) Cable Installed-per meter	150			
1.14.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.14.3	LC 1 meter unjacketed pigtail	8			
1.14.4	LC midcouplers - Duplex	4			
1.14.5	LC-LC 3 meter fibre lead (MM) DUPLEX	4			
1.14.6	Splices	8			
1.14.7	Fibre Testing with test results	16			
1.15	Fibre Cabling Requirements -main data room				
1.15.1	Fiber Splice tray LC -48 way including cassettes, glands, protectors	2			
1.15.2	Fibre Splice tray LC - 24 way including cassettes, glands, protectors	1			
1.15.3	LC 1 meter unjacketed pigtail	80			
1.15.4	LC midcouplers - Duplex	72			
1.15.5	LC-LC 3 meter fibre lead (MM) DUPLEX	10			
1.15.6	LC-LC 5 meter fibre lead (MM) DUPLEX	10			
1.15.7	Splices	80			
1.15.8	Fibre Testing with test results	80			
1.16	Routing				
1.16.1	Heavy Duty Cable Tray - 3 meter length (150mm by 75mm) - including rods and bends	15			
1.16.2	Heavy Duty Cable Tray - 3 meter length (200mm by 75mm) including rods and bends	140			
1.16.3	bosal 25mm Conduit - 4 meter length - including bends and sadles	20			
1.16.4	bosal 50mm - 4 meter - including bends and sadles	10			
1.16.5	dual channel skirting - 4 meter lengths	30			
1.17	General				
1.17.1	Removal of existing cabling.	1			
	Total Excluding VAT				
	VAT				
	Total Including VAT				

3. Requirements

1. Service Provider to be Molex Installer Certified. Proof of Valid certificate to be submitted with proposal.
2. Molex Certificate certifying installation of site to be produced on completion - For data point installation - Strict requirement to process payment.
3. Data Cable test results to be provided after installation.
4. Fibre Test results to be provided – OLTS (Optical Loss Test Set) Testing or IOLM (Intelligent optical link mapping test).
5. Raw fibre test results to be provided.
6. Patching to switches must be done.
7. Remounting of switches to be done if needed.
8. Mounting of Wi-Fi access points on 4x4 boxes.
9. Full installation of all components specified.
10. Site inspection to be done before materials are ordered.
11. Labelling of all data points and fiber cabling.
12. As Built documentation to be provided after installation including diagrams and floor plans indicating data point numbers and position.
13. Full Project management.
14. Office hours and after hours to be accommodated for in the pricing.
15. NB : The quantities of requirements are indicative and subject to change on inspection of actual requirements.

4. Evaluation

Proposals will be evaluated in accordance with the following criteria and weighting:

4.1 Stage 1: Compliance Checking i.e. as specified on tender requirements document.

4.2 Stage 2: Technical Requirements met and Key Factor

4.3 Stage 3: Price and B-BBEE

Mandatory Requirement 1 : **Proof of valid Molex Installer Certificate**. No certificate or expired certificate submitted – Service provider will be disqualified from being evaluated further

Mandatory Requirement 2 : **Proof of valid Fiber installer** to be submitted.

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 = 50 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>	50
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	<p>The reference letter must bear the letterhead of the organisation 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 = 15 points. Bidder with five and or more reference letters of 	25



for the indicated points)	<p>contracts of similar services = 25 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 project:</p> <p>(The bidder must attach proof of qualifications/certifications of the two resources assigned to this project 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 valid Molex Certification = 12.5 points • Three resources with valid Molex Certification = 18.75 points • Four resources with valid Molex certification = 25 points <p>Please note the following:</p> <ul style="list-style-type: none"> • If the bidder provides one resource instead of minimum of two resources, they will get zero points. 	25
Total points		100

A minimum of 70 points is required by any tenderer before further evaluation to Phase 3. All tenderers who achieve 70 points or more will be evaluated equally in terms of Phase 3.

4.3 Stage 3: Financial and BBEE

Price = 80 points
B-BBEE Contribution Level = 20 Points

All enterprises are required to supply evidence of their Broad-Based Black Economic Empowerment contribution level as per the Broad-Based Black Economic Empowerment Act.

5 General

- SLA to be signed by both companies for the duration of the installation.
- Site inspection to be conducted before final submission of pricing.