



UNIVERSITY
OF
JOHANNESBURG

Specifications and Requirements

for

Tender T UJ 38/2024: UJ on Empire Network Hardware Replacement Project

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Specifications

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 upgrade the network infrastructure at UJ on Empire building by procuring network hardware ie switches and fiber modules. We request that suppliers submit proposals as per the specifications and requirements stated below.

2. Requirements

All bidders must meet the following mandatory requirements:

- Provide a valid Huawei Certified Partner – 3 or 4 or 5 star partner: DATA COMMUNICATION – Valid Certificate to be submitted OR valid VAP Certificate.

3. Additional notes

- The response must adhere to the requirements strictly. Deviations must be clearly mentioned and explained. However, it will be at the sole discretion of UJ to accept or reject such deviations.
- If newer models are recommended, the service provider to price the new models on a separate quote with the same quantities. Data sheets to be included.
- Contract to be signed between the two parties for the duration of the project before ordering of hardware is done.
- Air Freight to be used.
- Project is for supply and installation of equipment.

4. Tender Evaluation

This Tender will be evaluated in three stages:

Stage 1 – Tender Compliance

Stage 2 – Technical and Functionality capability / compliance

Stage 3 - Financial and B-BBEE

4.1 Stage 2 – Technical and Functionality Evaluation Criteria

Compulsory: (Disqualification Criteria)

- Huawei Certified Partner – Valid Proof of 3 or 4 or 5 star partnership in DATA COMMUNICATION Category OR Certified VAP Partner. Certificate required

Failure to provide valid Certificate will lead to disqualification.

Should a tenderer provide invalid, expired or no proof of the required certificates, they will not be evaluated further.

Point Allocation:

Requirement	Maximum points attainable
Meet specifications and requirements - Fully Priced BOQ	50
Resources – Network engineers with named and valid certifications in Routing & Switching(R&S) and WLAN based on Vendor minimum for star\level status R&S – 10 points 4 star Minimum = 1xHCIA, 3 x HCIP = 5 points OR 5 star Minimum = 3xHCIP, 2 x HCIE = 5 points WLAN – 10 points 4 star Minimum = 1xHCIA, 3 x HCIP = 5 points OR 5 star Minimum = 3xHCIP, 2 x HCIE = 5 points	20
References – 4 contactable references 4 Networking references = 20 points (5 points for each reference) References must include the declaration of supply of Huawei and WLAN equipment. References to be on client Letterheads. References not to be older than 5 years.	20
Project methodology for network equipment installation 5 points for methodology indicated 5 points network hardware installation and assessment – high level project plan 10 points	10
Total Points obtainable	100

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 stage 3.

Should the supplier provide expired certificates, no points will be obtained for the resources indicated.

4.2 Stage 3 - Financial and Other

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

5.1 BOQ1 – Network Requirements

Tenderers to strictly adhere to the pricing table below.

No.	Part Number	Model	Description	Qty.	Unit Price	TOTAL
	AirEngine 6776-57T_Site1					
1	WLAN AP 11be			89		
1.1	WLAN AP Hardware					
	50086828	AirEngine6776-57T	AirEngine6776-57T(11be indoor,2+2+4 tri bands,smart antenna,USB,BLE)	89		
	WLAN Network Design and Implementation Service - Professional services					
2	WLAN Network Design and Implementation Service			3		
			Access Controller Network Design and Implementation Service	1		
			WLAN Network Design and Implementation Service (include Site survey, Interference test, Detailed design, Configuring Joint Commissioning, Adjustment and optimization, Effect acceptance)	1		
			POST heat mapping	1		
	CloudEngine S6730-H24X6C(C13_South Africa)_Site1					
3	S6700 Series Ethernet Switches			2		
3.1	Mainframe					
	02352FSG-007	S6730-H24X6C	S6730-H24X6C (24*10GE SFP+ ports, 6*40GE QSFP28 ports, optional license for upgrade to 6*100GE QSFP28, without power module)	2		
3.2	Power					

	02312FFU-002	PAC600S12-EB	600W AC Power Module(Back to Front, Power panel side exhaust)	4		
3.3	Software					
	88037BNN	L-MLIC-S67H	S67XX-H Series Basic SW,Per Device	2		
3.4	High Speed Cable					
3.4.1	QSFP+ High Speed Cable					
	02310MUG	QSFP-40G-CU1M	QSFP+,40G,High Speed Direct-attach Cables,1m,QSFP+38M,CC8P0.254B(S),QSFP+38M,Used indoor	2		
3.5	Technical Support Service					
	88134UHD-44F	02352FSG-007_88134UHD-44F_12	S6730-H24X6C (24*10GE SFP+ ports, 6*40GE QSFP28 ports, optional license for upgrade to 6*100GE QSFP28, without power module)_Co-Care Premier S6730-H24X6C_12Month(s)	2		
	SM SFP_Site1					
4	S5700 Series Ethernet Switches			2		
4.1	Optical Transceiver					
4.1.1	10G-SFP+ Optical Transceiver					
	02313URK	OSX010000	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)	2		
	MM SFP_Site1					
5	S5700 Series Ethernet Switches			34		
5.1	Optical Transceiver					
5.1.1	10G-SFP+ Optical Transceiver					
	02313URC	OMXD30000	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)	34		

	CloudEngine S5731-S48P4X(C13_South Africa)_Site1				
6	S5700 Series Ethernet Switches			10	
6.1	Access Switch				
6.1.1	S5731 S Series				
	02353AJH-003	S5731-S48P4X	S5731-S48P4X (48*10/100/1000BASE-T ports,4*10GE SFP+ ports,PoE+,without power module)	10	
6.2	Software				
	88037BNL	L-MLIC-S57S	S57XX-S Series Basic SW,Per Device	10	
6.3	Power				
	02312KND-001	PAC1000S56-CB	1000W AC&240V DC Power Module (Back to Front,Power panel side exhaust)	20	
6.4	Technical Support Service				
	88134UHD-47R	02353AJH-003_88134UHD-47R_12	S5731-S48P4X (48*10/100/1000BASE-T ports,4*10GE SFP+ ports,PoE+,without power module)_Co-Care Premier S5731-S48P4X_12Month(s)	10	
	CloudEngine S5731-S24P4X(C13_South Africa)_Site1				
7	S5700 Series Ethernet Switches			3	
7.1	Access Switch				
7.1.1	S5731 S Series				
	02353AHX-003	S5731-S24P4X	S5731-S24P4X (24*10/100/1000BASE-T ports, 4*10GE SFP+ ports, PoE+, without power module)	3	
7.2	Software				
	88037BNL	L-MLIC-S57S	S57XX-S Series Basic SW,Per Device	3	
7.3	Power				

	02312KND-001	PAC1000S56-CB	1000W AC&240V DC Power Module (Back to Front,Power panel side exhaust)	6		
7.4	Technical Support Service					
	88134UHD-47P	02353AHX-003_88134UHD-47P_12	S5731-S24P4X (24*10/100/1000BASE-T ports, 4*10GE SFP+ ports, PoE+, without power module)_Co-Care Premier S5731-S24P4X_12Month(s)	3		
	AC6805(C13_South Africa) V200R022_Site1					
8	WLAN AC6805			1		
8.1	AC6805 Hardware					
	02354FRM-001	AC6805	AC6805 mainframe (12*GE ports, 12*10GE SFP+ ports, 2*40GE QSFP+ ports, no power)	1		
8.2	Software					
	88034UVY	L-ACSSAP-1AP	Access Controller AP Resource License(1 AP)	1		
	88034UWA	L-ACSSAP-8AP	Access Controller AP Resource License(8 AP)	1		
	88034UWB	L-ACSSAP-16AP	Access Controller AP Resource License(16 AP)	1		
	88034UWD	L-ACSSAP-64AP	Access Controller AP Resource License(64 AP)	1		
8.3	Power					
	02312FFU-002	PAC600S12-EB	600W AC Power Module(Back to Front, Power panel side exhaust)	2		
8.4	Technical Support Service					
	88134UKY-04E	88034UWB_88134UKY-04E_12	Access Controller AP Resource License(16 AP)_Co-Care Application Software Support Service Access Controller AP Resource License(16 AP)_12Month(s)	1		

	88134UHD-3HA	02354FRM-001_88134UHD-3HA_12	AC6805 mainframe (12*GE ports, 12*10GE SFP+ ports, 2*40GE QSFP+ ports, no power)_Co-Care Premier AC6805_12Month(s)	1		
	88134UKY-04D	88034UWA_88134UKY-04D_12	Access Controller AP Resource License(8 AP)_Co-Care Application Software Support Service Access Controller AP Resource License(8 AP)_12Month(s)	1		
	88134UKY-03U	88034UVY_88134UKY-03U_12	Access Controller AP Resource License(1 AP)_Co-Care Application Software Support Service Access Controller AP Resource License(1 AP)_12Month(s)	1		
	88134UKY-04G	88034UWD_88134UKY-04G_12	Access Controller AP Resource License(64 AP)_Co-Care Application Software Support Service Access Controller AP Resource License(64 AP)_12Month(s)	1		
PROFESSIONAL Services				1		
Project management				1		
Configuration of all components				1		
Installation and patching of switches and access points				1		
Sub Total						
VAT						
Total Including VAT						

6 Checklist:

Requirement		Comments
Huawei Partner Certificate (Mandatory Requirement)	Provided Yes/No :	
RATE of EXCHANGE	R19,50 to EURO to be used for quoting	UJ can ask for a requote on another exchange rate in the tender process.
References Provided ?	Provided Yes/No :	

