



ALFRED NZO

DISTRICT MUNICIPALITY

TERMS OF REFERENCE
NETWORK LINK - STORES, WTW
2024/25 FINANCIAL YEAR

Issued and prepared by:

Alfred Nzo District Municipality

ERF 1400 Ntsizwa Street

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Mount Ayliff

4735

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1. BACKGROUND AND OVERVIEW OF THE PROJECT

1.1 INTRODUCTION

Alfred Nzo District Municipality is hereby inviting suitably qualified and accredited Service Providers to submit their quotations to acquire services of the suitable Service Provider for the **Network Link for Matatiele Water Service Provision and Matatiele Water Treatment Works**.

1.2 OVERALL AND SPECIFIC OBJECTIVES OF THE PROJECT

1.2.1 Overall objective

The aim of the project is to link Matatiele Water Treatment Work to our existing network infrastructure to Matatiele WSP Office.

2. SCOPE & EXTENT OF WORK

Quotations are invited from suitably qualified service providers to prepare and submit proposals to undertake the implementation of the Network Link for Matatiele Water Service Provision and Matatiele Water Treatment Works within the Alfred Nzo District Municipality main office. The following gives a high-level indication of activities to be undertaken;

- Quotations are invited from suitably qualified professional service providers to prepare and submit proposals to undertake the required to connect and configure these two (2) Radio Access Points i.e. one Radio Access Point from Matatiele Water Treatment Work that will connect to the other Radio Access Point that will be at Matatiele WSP office.
- The Service Provider is required to connect a cable from the switch to the Access Point to enable it to connect.
- It will be the responsibility of the Service Provider (SP) to ensure that these sites can see one another as they supposed to, using the correct tools.
- The Service Provider (SP) is required to ensure that the site can connect to our network.

17/11/21

Specification

ITEM NO.	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
1.	ePMP Force 300-25 • SPECTRUM ✓ Channel Spacing Configurable in 5 MHz increments ✓ Frequency Range: Wide Band Operation 4910 - 5970 MHz (Note: Allowable frequencies and bands are dictated by individual country regulations.) ✓ Channel Width 20 40 80 MHz • INTERFACE ✓ MAC (Media Access Control) Layer: Cambium ✓ Proprietary Physical Layer: 2x2 MIMO/OFDM ✓ Ethernet Interface: 10/100/1000 BaseT, Compatible with Cambium PoE &	2		

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	Standard PoE pinouts ✓ Protocols Used: IPv4/IPv6 (Dual Stack), UDP, TCP, ICMP, SNMPv2c, NTP, STP, IGMP, SSH ✓ Network Management: IPv4/IPv6, HTTPs, SNMPv2c, SSH, Cambium Networks CnMaestro™ ✓ VLAN: 802.1Q with 802.1p priority • PERFORMANCE ✓ ARQ: Yes ✓ Nominal Receive Sensitivity (w/FEC) @20 MHz Channel: MCS0 = -87 dBm to MCS8 (256 QAM-3/4) = -63 dBm (per chain) ✓ Nominal Receive Sensitivity (w/FEC) @40 MHz Channel: MCS0 = -85 dBm to MCS9 (256QAM-5/6) = -59 dBm (per chain) ✓ Nominal Receive Sensitivity (w/FEC)			
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	@80 MHz Channel: MCS0 = -82 dBm to MCS9 (256QAM-5/6) = -56 dBm (per chain) ✓ Modulation Levels (Adaptive) MCS0(BPSK)to MCS9 (256QAM5/6) ✓ Transmit Power Range 0 to +27 dBm (combined, to regional EIRP limit) (1 dB interval) • PHYSICAL ✓ Surge Suppression: 1 Joule Integrated (C000000L065A - 30V Gigabit surge suppressor is recommended for optimum protection) ✓ Environmental: IP55 ✓ Temperature: -30°C to +60°C (-22°F to +140°F) ✓ Weight: 2.4 kg (5.3 lbs) ✓ Wind Survival: 180 km/hour (112 mi/hour)			
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	✓ Dimensions (Dia x Depth): 47 cm x 31 cm (18.5 in x 12.2 in) ✓ Pole Diameter Range: 6.4 cm – 7.6 cm (2.5 in – 3 in) ✓ Power Consumption: 12 Watts ✓ Input Voltage 30 Volts Nominal: (14V to 30V range) ✓ Power Method Supported: 30V Cambium PoE Injector (included) • SECURITY Encryption 128-bit AES (CCMP mode)			
Total exclusive VAT				
VAT @ 15 %				
Total inclusive VAT				

NB: A compulsory briefing session will be held to clarify the Scope of Work with prospective bidders on the _____ 2024/2025.

3. PROJECT TIME FRAME

The project time frame will be two (2) months from the date of appointment of the service provider.

4. KEY OUTPUTS/PROJECT MILESTONES/DELIVERABLES

- Project closeout report
- Completion Certificate
- ANDM employees at Matatiele water treatment works should be able to connect to ANDM network.

5. PROJECT MANAGEMENT

In cases where the appointed service provider appoints the services of other consultants or sub-contractors, the appointed service provider will take responsibility of the work of the sub-contractors. The client will deal with the contracted service provider and not with sub-contracted consultants. The project is to be coordinated and managed by an operational team led by Alfred Nzo District Municipality.

A closeout report to be issued upon completion of the project.

6. REPORTING MECHANISM

It is expected that regular progress reports will be submitted to ANDM and further presented to the Project Manager monthly. The Project Manager has the right to change the frequency of reporting as and when necessary.

7. SUBMISSION OF BIDS

Completed quotations in sealed envelopes endorsed Bid number above, must be deposited in the bid box at Alfred Nzo District Municipality offices, Erf 1400, Ntsizwa Street, Mt Ayliff not **later than stipulated time and date**, where bids will be opened in public shortly afterwards at ANDM Conference Centre. Late, incomplete, electronic, telegraphic, telexed, faxed bids will not be considered. The lowest or any proposal will not necessarily be accepted and Alfred Nzo District Municipality reserves the right to accept or not to accept any proposal either in whole or in part. And any assistance in completing partly or full the proposal from ANDM Official or Councillor will result in disqualification of bid.

8. CAPACITY TO EXECUTE THE WORK

Evaluation criteria of the Quotations ;

The quotations will be evaluated in two stages, namely:

- Stage 1- Capacity to Execute Work
- Stage 2- Price and Specific Goal

Only Bidders who score 70% or more on stage 1 would be evaluated further and therefore eligible for the award

ITEM	Scoring
STAGE 1 OF EVALUATION – CAPACITY TO EXECUTE THE WORK	100
• Previous Experience	60
• Capacity and Expertise	40
Total Scoring	100

Stage 2

Price and Preference

Bids will be evaluated according to the 80/20 Point System in compliance with Preferential Procurement Policy Act (5/2000) and Preferential Procurement Regulations 2022.

Preferential Procurement Goals	Proof to be Attached to Claim full Points	Points
Price	N/A	80
Specific Goal		20
Bidders will score Specific Goals as follows		
Empowerment of Women	Attach ID Certified Copies of Directors Claiming Specific Goals; for Bidders to obtain full points the percentage of equity held must be 51% or more	6

Youth	Attach ID Certified Copies of Directors Claiming Specific Goals; for Bidders to obtain full points the percentage of equity held must be 51% or more	5
Rural	Attach Proof of Residence of the Business or Lease Agreement	2
Disabled	Attach a Signed Letter from Health Practitioner	4
Black Owned Companies	Attach CK and ID Certified Copies of Directors Claiming Specific Goals; for Bidders to obtain full points the percentage of equity held must be 51% or more	3
Total Scoring		100

Breakdown of Capacity to Execute the Work

Previous Company Experience	Scoring
Note: The scoring in this section is not cumulative	
Traceable record for successful completion of a minimum of 02 Wireless Networking projects to the value of R30 000.00 each or more.	60
Traceable record for successful completion of a minimum of 01 Wireless Networking project to the value of R30 000.00 or more.	40
Total Scoring Note COMPULSORY attachments for verifying work done: 1. The ANDM Assessment Bidder Form (available on our website www.andm.gov.za) must be completed, stamped and signed by previous employer as a means of verifying references for each project undertaken. If 3 Projects were done, 3 Assessment bidder forms must be completed. 2. In ADDITION to the above, a traceable record will be evaluated on the basis of: - Official purchase order or Appointment letter	60

Capacity and Expertise to Undertake the Project Note: The scoring in this section is preferably cumulative, unless justifiable to the Specification Committee	Scoring [40]
A Project Team with the following areas of expertise:	[20]
A team leader must have a minimum of NQF Level 6 qualification in Information Technology.	10
One or more personnel must be registered to Networking certification {preferable Cisco Certified Network Associate (CCNA) certification or Interconnecting Cisco Networking Devices certification (ICND)}.	5
One or more personnel must be registered to Wireless Networking certification (preferable Cisco Wireless Certification) and must be registered to cabling certification (preferable Krone Certification).	5
Scoring NB: Attach CV and certified copies not older than 3 months for all qualifications	20
Resources to execute the work Note: The scoring in this section is cumulative	
Own/Lease 1 bakkies : attach lease agreement or Certificate of Registration	20
Total Scoring [20 + 20]	40

For any queries regarding this tender, please contact Mr. Z. M Ntlangula for project related queries; on (039) 254 5078 or;

For Supply Chain Management contact related queries, please contact Mr .B.C.W. Makiwane at telephone number 039-254-5218/5134 during office hours.

Alfred Nzo district Municipality

Erf 1400 Ntsizwa Street

Mount Ayliff

4735

RECOMMENDED/ NOT RECOMMENDED



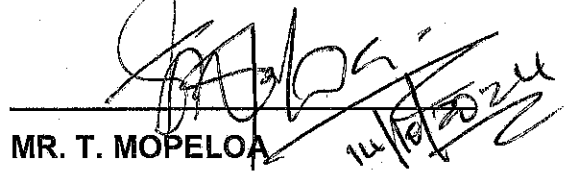
MR. N.R XOLO

ACTING DIRECTOR: CPS

10/10/2024

DATE

APPROVED/NOT APPROVED



MR. T. MOPELOA

ACTING MUNICIPAL MANAGER

14/10/2024

DATE

Comments:

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