

## BERGRIVIER MUNICIPALITY

### SUPPLY CHAIN MANAGEMENT

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As per e-mail:

Dear Sir /Madam

### NOTICE TO BIDDERS

#### ADDENDUM: 1

#### **TENDER 8/3/54-2025 / MN279-2025: SUPPLY, DELIVERY AND INSTALLATION OF WIRELESS NETWORKS FOR BERGRIVIER MUNICIPALITY FROM DATE OF APPOINTMENT UNTIL 30 JUNE 2028**

**Bidders must take note of the following CHANGES with regards to the above-mentioned tender:**

That the tender number for the tender is **T8/3/54-2025 MN279-2025**, and not as advertised in the Weslander and Cape Times as T8/3/52-2025 MN279-2025.

### **1 BACKGROUND**

#### **SCOPE**

Tenderers shall allow for the following:

The municipality shall not rent any equipment or bandwidth but an Service level Agreement will be entered into to provide maintenance and support on the installation. The municipality reserves the right to install additional sites when identified.

The Municipality will operate under the Independent Communications Authority of South Africa (ICASA) license of the appointed service provider for the duration of the contract, while concurrently submitting an application to ICASA for an exemption license.

The offices detailed in the table below form part of the required network connectivity scope and must be connected in accordance with the specifications set out in this document. Prospective bidders are welcome to visit the respective sites to familiarize themselves with it.

Start location	Type of connection	End location
Piketberg: LB Wernich Library	Wireless	Piketberg Head office
Piketberg: Traffic	Wireless	Piketberg Head office
Electrical Store PKB	Wireless	Piketberg Head office
Municipal Stores PKB	Wireless	Piketberg Head office
Active Box	Wireless	Piketberg Head office
Porterville: Traffic /Library	Wireless	Porterville Municipal Office
Electrical Stores Porterville	Wireless	Porterville Municipal Office
Velddrif: Stywelyne Beach Resort	Wireless	Velddrif Municipal office
Velddrif traffic	Wireless	Velddrif Municipal office
Dwarskersbos Beach resort	Wireless	Velddrif Municipal office
Electrical store Velddrif	Wireless	Velddrif Municipal office
Velddrif Stores	Wireless	Velddrif Municipal office



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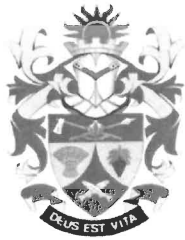
The pricing schedule must be completed as follows: all once-off installation costs must be entered in the 'Once-Off Cost' column, and all recurring costs must be entered under the 'Year 1 Cost' column.

### PART A

#### Wireless Installations

Failure to comply with the requirements will deem the bid non-responsive.

No	Description	Comply
<b>1.</b>	<b>General Requirements</b> <ul style="list-style-type: none"> <li>The service provider must be a registered and accredited ICT/network services provider in South Africa.</li> <li>The provider must have a minimum of 5 years of experience in deploying enterprise wireless solutions in public or government institutions.</li> <li>ICASA</li> <li>Solutions must comply with <b>POPIA, ISO 27001</b> principles, and any relevant cybersecurity frameworks.</li> </ul>	
<b>2.</b>	<b>Technical Compliance</b> <ul style="list-style-type: none"> <li>The wireless network must be designed with enterprise-grade equipment supporting: <ul style="list-style-type: none"> <li>Secure authentication (e.g., WPA2-Enterprise or WPA3)</li> <li>VLAN segregation</li> <li>Remote management capability</li> </ul> </li> <li>The Point-to-Multipoint or Point-to-Point links must support a minimum throughput of 50 Mbps per link with latency not exceeding 10ms under normal conditions.</li> <li>The wireless network must support: <ul style="list-style-type: none"> <li>Encrypted tunnels (IPSec/SSL VPN)</li> <li>QoS prioritization for business-critical apps (e.g., mSCOA, VoIP)</li> </ul> </li> <li>The solution must support centralized monitoring and alerting via SNMP or APIs.</li> </ul>	
<b>3.</b>	<b>Service and Support</b> <ul style="list-style-type: none"> <li>The provider must offer a Service Level Agreement (SLA) with: <ul style="list-style-type: none"> <li>99% network availability</li> <li>8x5 or 24x7 remote support, depending on municipality's preference</li> <li>Response times: <ul style="list-style-type: none"> <li>Critical – 4 hours, <ul style="list-style-type: none"> <li>Entire service not available</li> </ul> </li> <li>High – 8 hours, significant incident where service is partially unavailable</li> <li>Medium – 12 hours,</li> </ul> </li> </ul> </li> </ul>	



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	<ul style="list-style-type: none"> <li>▪ Service is partially unavailable or degraded</li> <li>▪ Normal – 24 hours.</li> <li>▪ Service is partially unavailable affects 5 people or less.</li> </ul> <ul style="list-style-type: none"> <li>• Include 24 months of post-deployment support and remote monitoring (optional extension thereafter).</li> <li>• All proposed equipment must be new, OEM-certified, Carry a minimum warranty period of twenty-four (24) months. Any defective or damaged equipment shall be replaced within the timeframes stipulated in Section 3: Service and Support.</li> </ul>	
<b>4.</b>	<b>Security and Compliance</b> <ul style="list-style-type: none"> <li>• All wireless links must be secured using encryption (AES-256 preferred).</li> <li>• Default credentials must be changed and documented securely.</li> <li>• Firewall rules must restrict unauthorized access between town sites and the core network.</li> <li>• Any cloud-based management tools must be hosted in a secure and compliant environment (preferably local or POPIA-compliant).</li> </ul>	
<b>5.</b>	<b>Documentation and Handover</b> <ul style="list-style-type: none"> <li>• Provider must deliver: <ul style="list-style-type: none"> <li>○ Network topology diagrams</li> <li>○ IP address schema</li> <li>○ Wireless signal coverage maps (heatmaps)</li> <li>○ Device inventory and configuration backups</li> <li>○ Warranty documents and software license keys</li> </ul> </li> <li>• All admin accounts, credentials, and encryption keys must be handed over in a sealed/encrypted file.</li> </ul>	
<b>6.</b>	<b>Testing and Acceptance</b> <ul style="list-style-type: none"> <li>• The provider must conduct: <ul style="list-style-type: none"> <li>○ End-to-end testing of wireless connectivity, Wireless network performance,</li> <li>○ Signal strength validation (RSSI ≥ -65 dBm for critical areas)</li> <li>○ Documentation of speed tests and latency tests from branch to HQ</li> </ul> </li> <li>• A formal <b>User Acceptance Testing (UAT)</b> session must be conducted with municipal ICT officials.</li> </ul>	
<b>7.</b>	<b>Training and Knowledge Transfer</b> <ul style="list-style-type: none"> <li>• The provider must train at least two municipal ICT staff on: <ul style="list-style-type: none"> <li>○ Wireless system administration</li> <li>○ Troubleshooting procedures</li> <li>○ Basic configuration changes and monitoring</li> </ul> </li> </ul>	



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	<ul style="list-style-type: none"> <li>Provide training materials and manuals.</li> </ul>	
8.	<p><b>Legal and Regulatory Compliance</b></p> <ul style="list-style-type: none"> <li>The provider must comply with all applicable South African laws, including: <ul style="list-style-type: none"> <li>Municipal Finance Management Act (MFMA)</li> <li>Cybercrimes Act and ECT Act</li> </ul> </li> <li>No open-source software may be used unless approved and documented with associated licensing compliance.</li> </ul>	
9.	<p><b>Notes</b></p> <ul style="list-style-type: none"> <li><b>All connections must be:</b> <ul style="list-style-type: none"> <li><b>SECURED</b> using industry-standard encryption protocols.</li> <li><b>ENCRYPTED</b> end-to-end to protect municipal data in transit.</li> </ul> </li> <li>The <b>AASVOËLKOP</b> site in Piketberg may be used as an additional <b>ROUTING POINT</b> if needed for line-of-sight or performance reasons.</li> <li><b>MUNICIPAL WATER TOWERS</b> in the surrounding towns may also be used as <b>STRATEGIC ROUTING OR RELAY POINTS</b> for wireless signal extension. <ul style="list-style-type: none"> <li>Porterville: Lat: 33° 0'30.71"S Long: 19° 1'26.33"E</li> <li>Piketberg, Aasvoelkop: Lat: 32°54'56.29"S, 18°44'17.76"E</li> <li>Velddrif, Dwarskersbos: Lat: 32°41'54.36"S Long: 18°13'41.71"E</li> <li>Laaiplek Water Tower- Lat: 32°46'11.37"S Long: 18° 9'15.73"E</li> <li>Velddrif Water Tower: <ul style="list-style-type: none"> <li>- Lat: 32°47'0.37"S Long: 18°10'38.35"E</li> </ul> </li> </ul> </li> <li>The <b>YEARLY COST</b> quoted by the service provider must include: <ul style="list-style-type: none"> <li><b>MAINTENANCE</b> of the full wireless</li> <li><b>FAULT RESOLUTION AND REPAIRS</b> during the operational period.</li> </ul> </li> <li>Installation costs for new connections will be requested by the Municipality after which the service provider will issue a quotation for the municipality to consider.</li> </ul>	
10.	<p><b>Main Building: Network Core Requirements</b></p> <ul style="list-style-type: none"> <li>All wireless links from the town and surrounding sites must <b>terminate at the Head Office of that town's core network</b>.</li> <li>The main building must host:</li> </ul>	



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	<ul style="list-style-type: none"> <li>Have a central switch (Supplied by the Municipality)</li> </ul>	
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### 11. Where brand names is reflected, equivalent products may be offered.

<b>Piketberg Head office</b> <b>Geo location: Lat: 32°54'20.16"S, Long: 18°45'12.35"E</b>	<b>Once Off Cost</b> <b>(VAT INCL.)</b>	<b>Year 1 Cost</b> <b>(SLA Cost)</b> <b>(VAT INCL.)</b>
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
MikroTik mANTBox 5.8GHz 19dBi 120' Integrated Sector   RB921GS-5HPacD-19S	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
All products must		
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Piketberg: LB Wernich Library</b> <b>Geo location: Lat: 32°53'57.48"S, Long: 18°45'41.43"E</b>	<b>Once Off Cost</b> <b>(VAT INCL.)</b>	<b>Year 1 Cost</b> <b>(SLA Cost)</b> <b>(VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Piketberg: Traffic</b> <b>Geo-location: Lat: 32°54'50.58"S, Long 18°45'59.27"E</b>	<b>Once Off Cost</b> <b>(VAT INCL.)</b>	<b>Year 1 Cost</b> <b>(SLA Cost)</b> <b>(VAT INCL.)</b>
MikroTik LHG XL 5 ac 27dBi PtP CPE	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R



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<b>Electrical Store PKB</b> <b>Geo location: Lat: 32°54'39.11"S, 18°46'8.05"E</b>	<b>Once Off Cost</b> <b>(VAT INCL.)</b>	<b>Year 1 Cost</b> <b>(SLA Cost)</b> <b>(VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Municipal Stores PKB</b> <b>Geo location: Lat: 32°54'35.88"S, Long: 18°46'9.38"E</b>	<b>Once Off Cost</b> <b>(VAT INCL.)</b>	<b>Year 1 Cost</b> <b>(SLA Cost)</b> <b>(VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Active Box</b> <b>Geo location: Lat: 32°54'17.84"S , Long: 18°45'46.79"E</b>	<b>Once Off Cost</b> <b>(VAT INCL.)</b>	<b>Year 1 Cost</b> <b>(SLA Cost)</b> <b>(VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R



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<b>Porterville Municipal Office</b> <b>Geo location: Lat: 33° 00' 58.6"S, Long: 18°59'40.35"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
MikroTik mANTBox 5.8GHz 19dBi 120' Integrated Sector   RB921GS-5HPacD-19S or equivalent	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Porterville: Traffic /Library</b> <b>Geo Location: Lat: 33° 1'15.12"S , Long: 18°59'12.25"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Electrical Stores Porterville</b> <b>Geo Location: Lat: 33° 0'57.74"S, Long: 18°59'43.62"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R



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<b>Velddrif Municipal office</b> <b>Geo Location: Lat: 32°47'3.17"S, Long: 18° 9'52.09"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
MikroTik mANTBox 5.8GHz 19dBi 120' Integrated Sector   RB921GS-5HPacD-19S or equivalent	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Velddrif: Stywelyne Beach Resort</b> <b>Geo location: Lat: 32°46'1.15"S, Long: 18° 9'3.75"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Velddrif traffic</b> <b>Geo location: Lat: 32°47'4.26"S, 18° 9'52.19"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R



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<b>Dwarskersbos Beach resort</b> <b>Geo location: Lat: 32°41'36.31"S, Long: 18°14'3.01"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
MikroTik LHG XL 5 ac 27dBi PtP CPE	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Electrical store Velddrif</b> <b>Geo location: Lat: 32°46'46.81"S, Long: 18°10'0.66"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R

<b>Velddrif Stores</b> <b>Geo location: Lat: 32°46'48.10"S, Long: 18°10'7.34"E</b>	<b>Once Off Cost (VAT INCL.)</b>	<b>Year 1 Cost (SLA Cost) (VAT INCL.)</b>
Mikrotik RB-LHG5	R	x
MikroTik 10 Port Gigabit 1SFP+ 4 Core L5 Rack-Mount Router   RB4011iGS+RM	R	x
Cabling per site	R	x
Labour per site	R	x
Maintenance and support	x	R
2 hour battery support		x
<b>Total Cost for year 1 (Vat Incl)</b>	R	R



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### 12. Annual Increase Year 2 and year 3

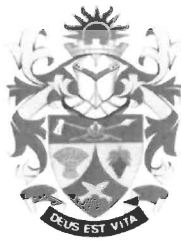
Annual price adjustments shall be applicable only to the annual costs and the approved resource rates. All travel-related costs shall be claimed and reimbursed strictly in accordance with the Municipality's approved Travel and Subsistence Policy.

Increase will be 3% on the anniversary of the award plus the percentage indicated below.	Year 1	Year 2	Year 3
Only write first year price plus 2 <sup>nd</sup> and 3 <sup>rd</sup> year % increase.	R	plus .....%	plus.....%

### 13. Rates of Resources

13.1. Technical expertise to design, implement, configure, operate, and maintain a secure and reliable wireless network infrastructure, including access points, controllers, network security, performance optimisation, and fault resolution.

RESOURCE	DESCRIPTION	RATE PER HOUR (VAT INCL)
Project Manager	Responsible for planning, coordination, reporting, and stakeholder communication  Experience managing ICT infrastructure projects in the public sector	R
Network Security Specialist	Experience with wireless security  Knowledge of firewall integration and access control policies	R
Senior Network Engineer	Proven experience in wireless network design and architecture  Minimum 5 years' experience in public or municipal wireless networks	R



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Network Implementation Technician(s)	Experience in installation, configuration, and commissioning of wireless access points  Cabling, mounting, and site preparation experience  Ability to work at heights where required	R
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### REFERENCES

Three (3) contactable references with reference letters of similar work that was done within the past 5 years.

Name of business	Type of service rendered	Contact person	Tel / Cell Number

\* Kindly note that the total price is only for comparison purposes during the evaluation of bids, and the municipality reserves the right to procure any number of services or items during the subsistence of this contract, based on the unit price submitted.

  
MUNICIPAL MANAGER

DATE: 06/1/2026

**Note: Confirmation to the addendum**

### CONFIRMATION

I ..... (Name and Surname of designated person) hereby declare on behalf of .....  
(Company's name),

That I take note of the above changes in the bidding documentation and that my offer will incorporate the changes.

Address: ..... Tel no.: .....  
..... Fax no.: .....  
.....

Signature of bidder: ..... Date: .....

**This document must be completed by the bidder (above) and submitted with his offer.**