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QUOTATION FOR SUPPLY OF COMPLETE VHF TWO WAY RADIO REPEATER SYSTEMS, UHF RADIO LINKS AND DIGITAL RADIOS

Steve Tshwete Local Municipality requires formal written quotations from *recognised* radio dealers for the supply and delivery of VHF radio repeater systems, UHF radio links and Digital radios with the following specifications:

- **Intended use of the radio's:**
  - The repeaters will be used to extend the coverage area of the Steve Tshwete Local Municipality's radio communication in the Middelburg / Kranspoort / Hendrina area.
  - The repeaters will be used for analogue and digital communication whereby voting features will be of high importance on the Digital communication.
  - The repeaters will be installed by the Municipality's radio service provider at the different locations.
  - Digital Portable and Mobile radios will be used to test and align the Digital part of the repeater.
  - UHF radio links will be interfaced to the repeaters to establish a multi cast system, carrying the voice from one repeater to another.

- **Detailed requirements (you may also quote on equivalent items where Makes and Models are mentioned):**
  - 4 x ICOM IC-FR5000 repeater
  - The following cards must be added to the repeater system:
    - UC – FR5000(#02) for IP communication
  - 1 x RC-FS10 - Remote communicator with:
    - CT 23 – PTT Microphone
    - BC147SA – Power supply unit
    - SM25 – Desk Microphone
  - 1 x RC-FS10 SDK – Development software
  - 2 x IC-F3161DT Digital Portable Radio with a battery charger
  - 1 x IC-F5061D Digital Mobile Radio with a standard antenna
  - 1 x Programming cable to fit the OPC-881UL for the F3161DT

- 1 x Programming cable to fit the OPC-881UL for the F5061D
- 1 x HM 170GP GPS Microphone
- 4 x Duplexer for repeater, tuned to frequency that will be given with the order
- 4 x VHF 2 stack antenna – N-type Female connector
- 220m LMR400 cable
- 28 x N-type Male connector for LMR400
- 7 x Lightning arrestor, N-type Female on both sides
- 3 x Power supply / charger for the repeater with 3 x 105AH batteries
- 1 x roll SELF VULCANIZING TAPE (SCOTCH 23)
- 4 x sets of 1m low loss leads with connectors from the Repeater to the Duplexer
- 1 x 19" 22U Cabinet for repeater 600mm deep
- 4 x 19" Shelf – Front mount 250mm
- 4 x 19" Shelf – Front mount 450mm
- 200 x Cage nuts & washers
- 16 x Universal Clamp between Elbow and antenna / mast
- 3 x Cable Ties T50R (bag of 100)
- 3 x Cable Ties T120S (bag of 100)
- 3 x ICOM F210 (UHF)
- 3 x Interface box between the link radio and the repeater
- 6 x 9dB Yagi UHF antenna
- 12 x RG 223 connectors

- **Product certifications:**
  - The radios must be ICASA approved and each radio must have an ICASA sticker fixed to it.

- **Width restrictions:**
  - The repeater and power supply must fit in a 19" cabinet. The batteries will be placed in a battery cabinet.

- **Warranty:**
  - All delivered radios must have a ONE year warranty.
  - Faulty radio's must be fetched and returned in a working condition by the supplier from the Civic Centre, Wanderers Street, Middelburg, Mpumalanga
  - Warranty collection, repair and return will be paid by the supplier.

- **Instruction materials:**
  - Each radio must have a printed / CD user guide / instruction manual / programming reference in English.

- **Delivery instructions:**
  - All the radio equipment inside their carton box containers, antennas and smaller items will be delivered at Room B319, Second Floor, Civic Centre, Wanderers Avenue, Middelburg, Mpumalanga.

- **Quantity needed:**

- Quantities may vary slightly to accommodate the different sites that need to be installed with the repeater equipment.

- **When:**
  - Delivery of the radios must be done 14 days after the order was issued by the Steve Tshwete Municipal Stores.

- **Responsibilities:**
  - The successful supplier will be responsible for the supply and delivery of the above mentioned radio equipment to the Steve Tshwete Local Municipality in Middelburg.

- **Method of acquisition:**
  - The radios will be purchased from the supplier and it will become the asset of the Steve Tshwete Local Municipality.
  - Full payment for the radios will be done 30 days after the invoice was handed to the Municipal Stores.

- **Pricing schedule:**
  - Please write your quotation on a company letterhead in the following format:

Item	Item Order Code	Quantity	Total Excl VAT	Vat	Total Incl VAT
Repeater		4			
IP Communication Card		4			
Remote communicator software with Audio receiver		1			
PTT Microphone for Remote communicator		1			
Power supply unit for PTT Microphone		1			
Desk Microphone for Remote communicator		1			
Development software for the above		1			
Digital Portable radio with charger		2			
Digital Mobile radio with standard antenna		1			
Programming cable to fit the OPC-881UL for Portable radio		1			
Programming cable to fit the OPC-881UL for Mobile radio		1			
GPS Microphone		1			
Duplexer for repeater		4			
VHF 2 stack antenna		4			
LMR400 cable		220			
N-type Male connector		28			
Lightning arrestor		7			
Power supply / charger for the repeater		3			
105AH batteries		3			
Self vulcanizing tape (SCOTCH 23)		1			
Set of Low loss leads with connectors from the Repeater to the Duplexer		4			

19" 22U Cabinet 600mm deep with extractor fans and 19" 6 way power duct		**1**			
19" Shelf – Front mount 250mm		**4**			
19" Shelf – Front mount 450mm		**4**			
Cage nuts & washers		**200**			
Universal Clamp between Elbow and antenna / mast		**16**			
Cable Ties T50R (bag of 100)		**3**			
Cable Ties T120S (bag of 100)		**3**			
Icom F210 UHF		**3**			
Interface box		**3**			
9dB Yagi UHF Antenna		**6**			
RG223 connectors		**12**			
				Total	

GENERAL NOTES:

1. Written quotations should be submitted to the office of the Corporate Services, room C318, Second Floor, Civic Centre, Wanderers Avenue, Middelburg not later than 12:00 on the **9th of March 2011.**

2. The following requirement(s) apply to all prospective radio dealers:

   - Service providers not registered with council must log on to **www.stevetshwetelm.gov.za** or visit Mr Martha Mtsweni (Tel: 013-249 7309) at the Municipal Stores at Corner Protea and Walter Sisulu Street, Middelburg, Mpumalanga to get the application forms and submit a completed enlistment application before submitting the quotation.
   - Quotes should be accompanied by:
     1. **A valid tax clearance certificate**
     2. **BEE ownership stated on a letterhead**
     3. **Proof of company physical address**

For any queries, please contact **Marius Britz**, telephone **013 249 7376 / 082 895 8743.**