

Hessequa Municipality



**MUNICIPAL SUPPLY CHAIN MANAGEMENT
INVITATION TO SUBMIT CLOSED QUOTATION**

THE SUPPLY, DELIVERY AND INSTALLATION OF FIREFIGHTING EQUIPMENT

RQ Nr: 56897

17 November 2017

Dear Sir/Madam

Please provide a written quotation for the supply of goods and / or services as detailed in the list attached.

The quotation must be submitted, on the official letterhead of your business, by the one of the following means for the attention of Ms Carisha Prins

- Email carisha@hessequa.gov.za
- Per Hand at the Hessequa Municipality SCM offices, Post Office Building, 19 Main Road, Riversdale, 6670

**QUOTATIONS MUST REACH THE MUNICIPALITY BEFORE OR AT 12:00 ON 24 NOVEMBER 2017
NO LATE QUOTATIONS WILL BE CONSIDERED**

The following conditions will apply to all quotations:

- Prices quoted must be firm, inclusive of VAT and where applicable for delivery to the address indicated below. The total amount of the quotation must also be clearly indicated;
- Please refrain from quoting on goods that are out of stock or not usually stocked by your company, or indicate on your quotation that this is the case and what the delivery period on those items will be;
- If your quotation is accepted, goods and/or services must be supplied and delivered to the below mentioned address, accompanied by your delivery note and invoice (if possible);
- Quotations must to be valid for a period of 30 days;
- The delivery period must be indicated.
- The closed quotation is subjected to the General Conditions of Contract as contained in MFMA Circular 25 of 2005 and the conditions contained in Hessequa Municipal SCM POS section 3.2.4.

- If a quotation is submitted for the goods; services or works requested, you the supplier accepts the conditions of this quotation and that the goods; services and works will be supplied or constructed as per this quotation.
- A formal order will be issued to the successful supplier that will be a written instruction to the supplier to supply; deliver or construct as per specifications contained in this quotation.
- If a quotation are called for a specific number of items, Council reserves the right to change the number of such items to be higher or lower. The successful quotationer will then be given an opportunity to evaluate the new scenario and inform the Municipality if it is acceptable. If the successful quotationer does not accept the new scenario, it will be offered to the second-placed quotationer. The process will be continued to the Municipality's satisfaction.

If your quotation does not comply with above stated conditions, your quotation will not be considered.

If you have not received a response from the Municipality within thirty (30) days after the closing date of the quotation, please regard your quotation as unsuccessful.

Should you be interested in wanting to know to who the successful bidder was, you may consult our website at www.hessequa.gov.za where monthly reports on awards will be published.

Quotations will be evaluated and adjudicated in terms of the Preferential Procurement Policy Framework Act (Act 5 of 2000), The Preferential Procurement Regulations,2017 and the Hessequa Municipality's Supply Chain Management Policy, for which 80 points will be allocated in respect of price and 20 points in respect of B-BBEE contribution.

The Municipality reserves the right to withdraw any invitation for closed quotations and/or to re advertise or to reject any quotation or to accept a part of it. The Municipality does not bind itself to accepting the lowest quotation.

Any Prospective Service Provider must make sure that they are registered and are valid on the Database of Hessequa Municipality and/or on the Centralised Supplier Database (CSD) and that they are in possession of a Valid Tax Clearance Certificate.

Please address any technical enquiries regarding the specifications to Mr N Muller

Tel: 028 713 7966/7822 or any Supply Chain Management related enquiries to Ms Carisha Prins at

Tel: 028 713 7974.

Important note: a valid original or certified B-BBEE certificate must be submitted with the documentation. (MBD 6.1 Preference Points Claim form need to be completed to claim points. NB- Only points claims will be awarded. The MBD 6.1 is available from the municipal website at www.hessequa.gov.za under the tab 'SCM INFORMATION AND REPORTS' or at the Supply Chain Management offices at Post Office Building, 19 Main Road, Riversdale.)

1. Specifications

Hessequa Municipality, Department Protection Services, sub section Fire Services, intends to purchase and have it delivered;

1. 3 x BASE / MOBILE RADIO
2. 4 x PORTABLE RADIO
3. 4 x GPS

The following specifications is applicable for the items specified:

EQUIPMENT SPECIFICATIONS			
<u>No</u>	<u>DISCRIPTION</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
1	3 x Base / Mobile Radio		
2	4 x Portable Radio		
3	4 x GPS		
		Total Excl Vat	
		Vat	
		Total Incl Vat	

The following guarantees is applicable:

No	DISCRIPTION	GUARANTEE (YEARS)	YES	NO
1	Must comply with sabs standards			

Contact Details:

Contact Person	Email Address	Cell phone number	Office Number
Neo Muller	frikkie@hessequa.gov.za	082 443 0390	028 713 7966/7822
AR Voss	vossie@hessequa.gov.za	082 710 6612	028 713 7966/7820

Delivery period must be indicated on the quotation

Delivery will be included in the pricing schedule

Items must be delivered at;

Mulderstreet

Riversdale Industrial

Hessequa Munucipality Traffic Department

Riversdale

1. **BASE / MOBILE RADIO**

- All the base radios supplied must operate on the new DMR ETSI protocol standard with full TDMA functions.
- Must operate in the VHF (136-174 MHz band)
- Dual mode analogue/digital operation is essential.
- Colour Display.
- Build in GPS no external devices.
- Must be supplied with full DTMF Mic for Text Messaging
- Zara 60 antenna with connector.
- GPS antenna with connector.
- Fully installed into vehicle. All installations must comply with a high standard of workmanship.

GENERAL SPECIFICATIONS

VHF UHF Band 1

Channel Capacity Up to 1,000

Typical RF Output

Low Power 1-25 W

High Power 25-45

Dimensions (H x W x L) 53.3 x 175.3 x 205.7 mm

(2.1 x 6.9 x 8.1 in)

Weight 1.8 kg (3.9 lbs)

Current Drain

Standby 0.81 A max

Rx @ Rated

Audio 2 A max

Transmit 1-25 W: 11.0 A max

25-45 W: 14.5 A max

RECEIVER:

VHF UHF Band 1

Frequencies 136-174 MHz

Channel Spacing 12.5 kHz

Frequency Stability

(-30°C, +60°C, +25°C Ref) ± 0.5 ppm

Analogue Sensitivity

(12dB SINAD)

0.3uV

0.22uV (typical)

Digital Sensitivity 5% BER : 0.3uV

Intermodulation (TIA603D) 78 dB 75 dB

Adjacent Channel Selectivity (TIA603D) 50 dB @ 12.5 kHz

Spurious Rejection (TIA603D) 80 dB 75 dB

Rated Audio 3 W (Internal)

7.5 W (External - 8 ohms)

13 W (External - 4 ohms)

Audio Distortion @ Rated
Audio 3% (typical)
Hum and Noise -40 dB @ 12.5 kHz
Audio Response TIA603D
Conducted Spurious Emission (TIA603D) -57dBm

TRANSMITTER:

VHF UHF Band 1

Frequencies 136-174 MHz
Channel Spacing 12.5 kHz
Frequency Stability
(-30°C, +60°C, +25°C Ref) ± 0.5 ppm
Low Power Output 1-25 W
High Power Output 25-45 W
Modulation Limiting ± 2.5 kHz @ 12.5 kHz
FM Hum and Noise -40 dB @ 12.5 kHz
Conducted/Radiated
Emission -36 dBm < 1 GHz/-30 dBm > 1 GHz
Adjacent Channel Power 60 dB @ 12.5 kHz
Audio Response TIA603D
Audio Distortion 3%
FM Modulation 12.5 kHz: 11K0F3E
4FSK Digital Modulation
12.5 kHz Data: 7K60F1D & 7K60FXD
12.5 kHz Voice: 7K60F1E & 7K60FXE
Combination of 12.5 kHz Voice & Data: 7K60F1W
Digital Vocoder Type AMBE+2™
Digital Protocol ETSI TS 102 361-1, -2, -3
PAGE

GPS:

Accuracy specs are for long-term tracking (95th percentile values > 5 satellites visible at a nominal -130 dBm signal strength)
TTFF (Time To First Fix)
Cold Start < 1 minute
TTFF (Time To First Fix)
Hot Start < 10 seconds
Horizontal Accuracy < 5 metres

BLUETOOTH:

Version Supports Bluetooth® 2.1 + EDR Specification
Profiles Supported Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
Devices Supported Radio supports 1 Bluetooth audio accessory and 1 Bluetooth data device simultaneously
Range Class 2, 10 metres

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature -30° C / +60° C

Storage Temperature -40° C / +85° C

Thermal Shock Per MIL-STD

Humidity Per MIL-STD

ESD IEC 61000-4-2 Level 3

Dust and Water Intrusion IP54, MIL-STD

2. PORTABLE RADIO

All the portable radios supplied must comply

- With the new DMR ETSI protocol standard with full TDMA functions.
- Must operate in the VHF (136-174 MHz band)
- Dual mode analogue/digital operation is essential.
- Be IP 67 or higher with a dedicate emergency button
- IMPRES Li-ion 2250mAh IP67 Battery
- Inner ear piece.

Full Keypad (FKP) Model

Band VHF

GENERAL SPECIFICATIONS

Frequency	136-174 MHz
High Power Output	5 W
Low Power Output	1 W
Channel Spacing	12.5 kHz
Channel Capacity	1000

TRANSMITTER SPECIFICATIONS

Channel Spacing	12.5 kHz
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D and 7K60FXD, 12.5 kHz Voice: 7K60F1E and 7K60FXE, Combination of 12.5 kHz Voice and Data: 7K60F1W
Digital Protocol	ETSI TS 102 361-1, -2, -3
Conducted/Radiated Emissions (TIA603D)	-36 dBm < 1GHz, -30 dBm > 1GHz
Adjacent Channel Power	60dB (12.5 kHz)
Frequency Stability	± 0.5 ppm

RECEIVER SPECIFICATIONS

Analogue Sensitivity (12dB SINAD)	0.16 uV
Digital Sensitivity (5% BER)	0.14 uV
Intermodulation (TIA603D)	70 dB
Adjacent Channel Selectivity, (TIA603A)-1T	60 dB (12.5 kHz)
Adjacent Channel Selectivity, (TIA603D)-2T & (TIA603C)-2T	45 dB (12.5 kHz)
Spurious Rejection (TIA603D)	70 dB

AUDIO SPECIFICATIONS

Digital Vocoder Type	AMBE+2™
Audio Response	TIA603D

Rated Audio	0.5 W
Audio Distortion at Rated Audio	3%
Hum and Noise	-40 dB (12.5 kHz)
Conducted Spurious Emissions (TIA603D)	-57 dBm
BLUETOOTH SPECIFICATIONS	
Version	4.0
Range	Class 2, 10 m
Supported Profiles	Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
Simultaneous Connections	1 x audio accessory and 1 x data device
Permanent Discoverable Mode	Optional
GNSS SPECIFICATIONS	
Constellation Support	GPS, GLONASS
Time To First Fix, Cold Start	< 60 s
Time To First Fix, Hot Start	< 10 s
Horizontal Accuracy	< 5 m
Wi-Fi SPECIFICATIONS	
Standards Supported	IEEE 802.11b, 802.11g, 802.11n
Security Protocol Supported	WPA, WPA-2, WEP
Maximum Number of SSIDs	128 (64 for LKP and NKP models)
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature ⁴	-30 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Electrostatic Discharge	IEC 61000-4-2 Level 4
Dust and Water Intrusion	IEC 60529 - IP68, 2 m for 2 hrs
Packaging Test	MIL-STD 810D and E

3. GPS

- Large 5-inch dual-orientation touchscreen display that is glove friendly and easy to read — even in bright sunlight
- Rugged design withstands fuel vapours, UV rays, rain and harsh weather⁸
- Let's you avoid major highways and find curvy, hilly roads—even see upcoming elevation information.
- Rider alerts for upcoming sharp curves, animal crossings, speed zone changes, wrong way on a one-way street, fatigue warning and more
- Warnings for nearby red light and safety cameras (subscription may be required)¹
- Preloaded with detailed 3-D terrain maps of Southern Africa, plus lifetime map updates
- Hands-free phone control and spoken directions via Bluetooth® technology
- Smart notifications (calls/texts, calendar updates, etc.) via free Smartphone Link app
- LiveTrack tool lets you use free Smartphone Link app to wirelessly share your live route
- Live weather and live traffic via Smartphone Link app
- photoReal and Bird's Eye junction views helps you navigate interchanges with ease
- Easily see places along your route and milestones up ahead, without leaving the map

- Easy Route Shaping feature lets you add a point easily on the map to ride through preferred areas or follow specific roads
- Spoken Real Directions using recognisable landmarks, buildings and traffic lights
- Service history log helps simplify your record keeping for maintenance
- Round trip routing lets you plan your route based on time, distance or location
- TracBack feature makes it easy to follow the same route for your return trip
- Easily find addresses and points of interest
- Displays current street, current speed, speed limit and arrival time
- Monitor tire pressure on display with TPMS accessory
- Motor vehicle mounts