



LOCAL MUNICIPALITY – UMKHANDLU WENDAWO  
**SUPPLY CHAIN MANAGEMENT UNIT**  
259 KINGSWAY STREET, BERGVILLE, 3350  
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Reference no: SCM156/2015 -2016

Date: 03 May 2016

**RFQ: TO SUPPLY AND DELIVERY OF COMMUNICATION RADIO**

Quotations are hereby invited from interested contractors with a proven track record in terms of Section 83 of the Municipal System Act, Act 32 of 2000 (as amended) and Section 110 and 112 of the Municipal Finance Management Act, Act 56 of 2003, for supply and delivery of 18 Communication Radio.

**The details of the specification attached:**

For more information the following municipal official can be contacted during office hours: Mr Freddie Halgreen @ 071 168 3260

**QUOTE SUBMISSION**

Quotations must be done on the company's letter head/ stamped, can only be submitted on a sealed envelope clearly marked the abovementioned reference number to Municipal tender box, not later than **12 May 2016 at 11:00**.

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The following conditions will apply:

- Suppliers must be registered at our database; forms can be e-mailed on request, downloaded from our website and collected at our municipal offices.
- Suppliers must also ensure that they submit their tax clearance and B-BBEE certificates that are still valid as they will have a big impact during the evaluation processes
- Quotes will be evaluated on the 80/20 preferential points.
- Suppliers must also state the delivery period after receiving the initial order.
- Declaration of interest (MBD4 form) is compulsory to be attached with the quotation.

**NO QUOTATION WILL BE CONSIDERED FROM PEOPLE IN SERVICE OF THE STATE.**

# **PORTABLE RADIO – specifications**

## **GENERAL**

**Frequency Range** 400-470 MHz

**Number of Channels** 512

**Zones** 128

**Max. Channels per Zone** 250

**Channel Spacing Analog** 12.5 / 15 / 25 / 30 kHz 12.5 / 25 kHz

**Digital** 6.25 / 12.5 kHz 6.25 / 12.5 kHz

**Operating Voltage** 7.5V DC  $\pm$  20%

**Battery Life** Approx. 14.5 hours

**10-10-80** Approx. 9.0 hours

**Operating Temperature Range** -22° F to +140° F (-30° C to +60° C)

**Frequency Stability**  $\pm$  2.0 ppm  $\pm$  1.0 ppm

**Antenna Impedance** 50  $\Omega$

**Dimensions (W x H x D)** Projections not included

**Radio only** 2.28 x 5.02 x 1.63 in (58 x 127.5 x 41.3 mm)

## **RECEIVER**

**Sensitivity Digital @ 6.25kHz (3% BER)** 0.20  $\mu$ V

**Digital @ 12.5kHz (3% BER)** 0.25  $\mu$ V

**Analog (12 dB SINAD)** 0.25  $\mu$ V

**Selectivity Analog @ 25 kHz** 72 dB

**Analog @ 12.5 kHz** 65 dB

**Intermodulation Distortion Analog** 70 dB ( $\pm$ 50,100 kHz)

**Spurious Response Analog** 70 dB

**Audio Distortion** Less than 3%

**Audio Output** 500 mW / 8  $\Omega$

## **TRANSMITTER**

**RF Power Output** 5 W / 1 W

**Spurious Response** 70 dB

**FM Hum & Noise Analog @ 25 kHz** 45 dB

**Analog @ 12.5 kHz** 40 dB

**Audio Distortion** Less than 3%

**Modulation** 16K0F3E, 11K0F3E, 8K30F1E,

8K30F1D, 8K30F7W, 4K00F1E,

4K00F1D, 4K00F7W, 4K00F2D