



Knysna

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Knysna Municipality is inviting quotations from suitable suppliers for the goods described below.

(For publication on the Knysna Municipality website & notice boards)

ADVERTISEMENT DATE:	18 November 2020		
RFQ NUMBER:	RFQ167/2020/21		
DESCRIPTION OF GOODS/SERVICES:	Supply, programme and delivery of a Digital (TDMA) Portable radio		
RFQ DOCUMENTS ARE OBTAINABLE FROM:	Supply Chain Management Section Clyde Street Knysna or Knysna Municipality website: www.knysna.gov.za (Council adverts >Quotations)		
CLOSING DATE: TIME:	25 November 2020 12:00		
SUBMISSIONS:	Sealed quotations clearly marked, “ RFQ167/2020/21: Supply, programme and delivery of a Digital (TDMA) Portable radio ”, can be submitted: By hand to: Supply Chain Management Section Knysna Municipality Clyde Street Knysna By email to: procurement@knysna.gov.za Contact person: Phindiswa Mseleni (Tel: 044 302 6962) Electronic bid documents must reach the Supply Chain Management Section before the closing time.		
COMPULSORY REQUIREMENTS:	Local Content 60% for Digital (TDMA) Portable Radio		
TECHNICAL ENQUIRIES:	Contact Person	:	Ian Bezuidenhout
	Email	:	lbezuidenhout@knysna.gov.za
	Tell	:	044 302 8902
	Alternative Contact)	:	Lindikhaya Williams @ 044-302-6484 (Office)
The following conditions will apply: <ul style="list-style-type: none">• Price(s) quoted must be firm and must be inclusive of VAT when applicable.• Attached KMBD6.1 must be completed to qualify for B-BBEE Status Level of Contribution.• Tax Clearance Certificate or Sufficient Evidence that Tax matters are raised with SARS must be attached.• An original or certified copy of B-BBEE Certificate must be attached to qualify for points.• Price must include all related expenses, i.e. transport, accommodation etc.• Attached KMBD 4 document must be completed.• Status of Municipal accounts must be submitted.• Invoices must be submitted to jcordier@knysnagov.za and will be paid within 30 days of delivering the service.• Only an Official order and appointment letter will bind the Council.			

ACTING MUNICIPAL MANAGER

Dr L SCHEEPERS

RFQ167/ 2020/21: SUPPLY, PROGRAMMING AND DELIVERY OF A DIGITAL TDMA PORTABLE RADIO

1. CONDITIONS

- Bidders are hereby invited from service providers in possession of a valid Radio Dealer license issued by ICASA, to supply and install new mobile digital radio.
- **The equipment must be programmed and delivered to the Fire department in Waterfront drive in Knysna.**
- A brochure with technical details quoted for as mentioned in specifications shall be supplied by bidders when submitting their bid. It will be used for adjudication purposes.

	(Proof attached) YES/NO
Registered with ICASA as a dealer in two-way radio equipment	
Proof of registration must accompany the documentation	
DMR (TDMA) Equipment similar or equal to Motorola DP4801	
Dual mode analogue/digital operated	
Attach specification sheet or product brochure	

1.1. Introduction

The Digital Radio System as specified in this document is intended to meet the communication requirements and coverage of personnel and entities for the Disaster Management Communications Centre, Fire, Traffic and Technical services of the Knysna Municipality.

Two – way Radio communication can play a vital role in day – to – day management and safety or just to improve general communication in a cost effective way. The existing radio equipment in use by Knysna Municipality consist of Motorola DM4601 VHF mobile radios, Motorola DP4801 VHF portable radios and VHF Motorola SLR5500 Repeaters.

Note: The equipment must be fully compliant with the Knysna Municipality existing Digital Radio Network.

1.1. Portable radio equipment

All portable radios supplied shall be similar or approved equal to the Motorola DP 4801 type and shall be operated in the VHF (136 – 174 MHz) band. Radios must have a build-in GPS (no external devices will be accepted). All the radios must have a dedicated emergency button and must meet the IP 57 (1m submersible standards). Dual mode analogue/digital operation is essential, specifically when communicating with other departments until the whole municipality is fully equipped with these radios. The model of portable must be preferable the same as the existing Knysna Municipality radios (DP 4801).

Program all equipment to full duplex capability as per ICASA license and for maximum performance, operation, GPS tracking, Call ID, Roaming and SMS capabilities to provide for the best easy to operate and durable DMR radio network.

2. TECHNICAL SPECIFICATION

2.1.DMR Portable radio Specifications

Below find the specifications of the existing equipment being used in the Disaster Management Centre, Fire/Traffic and Technical Services within the area of the Knysna Municipality. All of the radio equipment currently used is Motorola DMR products. Any offers must comply with the minimum standards of the existing DMR (TDMA) equipment as set out below and be able to fully integrate with the existing equipment and systems.

General Digital Portable (DMA) Radio Specifications (Currently using DP 4801)

	COMPLY YES/NO	VARIANCE
Manufacturer		
Channel Capacity 1000		
Frequency 136-174 MHz (VHF)		
Dimensions (HxWxL) with Lilon HiCap Battery 2150mAh 131.5 x 63.5 x 39.2 mm		
Digital portable radio with LCD display and keypad.		
Desktop charger including AC/DC adaptor		
The VHF Digital Portable Radios must be able to Roam between existing Sites		
The VHF Digital Portable Radios must have easy-to-go group and individual call capability.		
The VHF Digital Portable Radios must have Linked capacity plus capabilities		
BATTERY		
Average battery life at 5/5/90 duty cycle with battery saver enabled in power carrier squelch and transmitter in high		
IMPRES Lilon HiCap Battery Analogue: 13.5hrs / Digital: 19 hours		
High cap 7.4V Lithium Ion battery 2150mAh with belt clip		
Weight with Lilon HiCap Battery 375 g		

	COMPLY YES/NO	VARIANCE
RECEIVER		
Frequency 136-174 MHz (VHF)		
Channel Spacing 12.5 kHz/ 20 kHz1/ 25 kHz		
Frequency Stability) (-30° C, +60° C, +25° C) +/- 0.5 ppm		
Analogue Sensitivity 0.3 uV (12 dB SINAD), 0.22 uV (typical) (12 dB SINAD),		
Digital Sensitivity 5% BER: 0.25 uV		
Intermodulation (tia603d): 70 Db		
Adjacent Channel Selectivity 45 dB @ 12.5 kHz, 70 dB @ 20/25 kHz		
Rated Audio 500 mW		
Audio Distortion @ Rated Audio 5% (3% typical)		
Hum and Noise -40 dB @ 12.5 kHz, -45 dB @ 20/25 kHz		
Audio Response: TIA603D		
Conducted Spurious Emission -57 dBm		

	COMPLY YES/NO	VARIANCE
TRANSMITTER		
Frequency 136-174 MHz (VHF)		
Channel Spacing 12.5 kHz/ 20 kHz1/ 25 kHz		
Frequency Stability (-30° C, +60° C, +25° C) +/- 0.5 ppm		
Power Output VHF 1W and 5 W		
Modulation Limiting +/- 2.5 kHz @ 12.5 kHz, +/- 4 kHz @ 20 kHz		
FM Hum and Noise -40 dB @ 12.5 kHz, -45 dB @ 20/25 kHz		
Conducted / Radiated Emission -36 dBm < 1 GHz, -30dBm > 1GHz		
Adjacent Channel Power -60 dB @ 12.5 kHz, -70 dB @ 20/25 kHz		
Audio Response: TIA603D		

Audio Distortion 3%		
Digital Vocoder Type AMBE+2		
Digital Protocol ETSI-TS 102 361-1, 2 & 3		

GPS (no external devices)	COMPLY YES/NO	VARIANCE
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 < 60 seconds		
TTFF (Time To First Fix) Hot Start < 10 seconds		
Horizontal Accuracy < 5 meters		
Supports Bluetooth		

ENVIRONMENTAL SPECIFICATIONS		COMPLY YES/NO	VARIANCE
Operating Temperature*	30° C / +60° C		
Storage Temperature	40° C / +85° C		
Temperature Shock Per MIL	STD		
Humidity Per MIL	STD		
Dust and water intrusion IEC 60529	IP57		

3. PRICING

All additional labour/programing/commissioning/testing needed to make the VHF DM4801 radio fully functional must be included in the tender price.

Digital (TDMA) Portable Radio Equipment

Item No.	Description/ Specification	Quantity	Amount (R)
1	Digital (TDMA) Keypad Portable Radios with heavy duty battery, GPS as per specification plus a charger .	1	
		Sub Total	
		15% VAT	
		TOTAL	

Contact Details of Tenderer

Knysna Municipality Supplier number	
CSD Supplier number	
CSD Unique Registration Reference Number	
The name of the Tenderer:	
The name of the contact person:	
The address of the Tenderer:	
Telephone:	
Facsimile:	
E-mail:	
Address (physical):	
Address (postal):	
Signature:	
Date:	

MBD 4
DECLARATION OF INTEREST

1.	No bid will be accepted from persons in the service of the state ¹ .		
2.	Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.		
3.	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.		
3.1	Full Name of bidder or his or her representative:		
3.2	Identity Number:		
3.3	Position occupied in the Company (director, trustee, hareholder ²):		
3.4	Company Registration Number:		
3.5	Tax Reference Number:		
3.6	VAT Registration Number:		
3.7	The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.		
3.8	Are you presently in the service of the state?	YES	NO
3.8.1	If yes, furnish particulars: _____ _____		
3.9	Have you been in the service of the state for the past twelve months?	YES	NO
3.9.1	If yes, furnish particulars: _____ _____		
3.10	Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved the evaluation and or adjudication of this bid?	YES	NO
3.10.1	If yes, furnish particulars: _____ _____		
3.11	Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid	YES	NO
3.11.1	If yes, furnish particulars: _____ _____		
3.12	Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?	YES	NO
3.12.1	If yes, furnish particulars: _____ _____		
3.13	Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state?	YES	NO
3.13.1	If yes, furnish particulars: _____ _____		

3.14	Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract	YES	NO
3.14.1	If yes, furnish particulars: _____ _____		

¹MSCM Regulations: "in the service of the state" means to be –

- (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) An employee of Parliament or a provincial legislature.

² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

4.	Full details of directors / trustees/ members / shareholders:		
	Full Name	Identity Number	State Employee Number

5. I, the undersigned (name) _____, certify that the information furnished in paragraphs 3 and 4 above is correct.

I accept that the state may act against me should this declaration prove to be false.

Name of Bidder		Date	
Signature		Capacity	

11. MDB 15 – Certificate for Payment of Municipal Services

NAME OF THE BIDDER: _____

FURTHER DETAILS OF THE BIDDER'S; Director / Shareholder / Partners, etc:

Director / Shareholder / partner	Physical address of the Business	Municipal Account number(s)	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)

NB: Please attach certified copy (ies) of ID document(s)

I, _____,

(Full name in block letters) the undersigned, certify that the information furnished on this declaration form is correct and that I / we have no undisputed commitments for municipal services towards a municipality in respect of which payment is overdue for more than 90 days.

If the value of the transaction is expected to exceed R10 million (VAT included) I certify that the bidder has no undisputed commitments for municipal services towards **a Municipality** in respect of which payment is overdue for more than 30 days;

THUS DONE AND SIGNED for and on behalf of the Bidder, at _____, on the _____ day of _____, 20____.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)	
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SIGNATURE:		NAME (PRINT):	
CAPACITY:		NAME OF FIRM:	

For office use (comments):

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Municipal Bidding Document (MBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

Description of services, works or goods

Stipulated minimum threshold

Valve Products and Actuators	50 - 70%
Steel Products and Components for Construction	100%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES		NO	
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- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):

.....
NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on <http://www.thdti.gov.za/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful

bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder
entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____