

EMAKHAZENI LOCAL MUNICIPALITY



SUPPLY, DELIVERY, OFF-LOADING AND TRAINING OF COMPACT SECTIONALIZER / FAULT LOCATOR DEVICE

ELM 23-24/04/02

TENDER DOCUMENT

EMPLOYER:

EMAKHAZENI LOCAL MUNICIPALITY

25 Scheepers Street

Belfast

1100

Tel: (013) 253 7600

Fax: (013) 253 1696



SUPPLY, DELIVERY, OFF-LOADING AND TRAINING OF COMPACT SECTIONALIZER / FAULT LOCATOR

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T1.1 TENDER NOTICE AND INVITATION TO TENDER

Bid documents will be obtainable on payment of **cash non-refundable document fee of R350.00 per document** from the offices of the Emakhazeni Local Municipality, 25 Scheepers Street, Belfast during office hours from 07H45 to 12h30 and 13h00 to 15h00 weekdays, or EFT payment made into the following bank account: **FNB Current Account Number 62028195510 Branch Code 270351, Tender Reference number (Project Number and Company Nafme), the document can only be obtained from our municipal offices at 25 Scheepers Street, Belfast.**

Tenders are to be completed in black ink and completed in accordance with the conditions and rules contained in the tender documents. The tenders and relevant documents must be sealed in an envelope and externally endorsed with **Project No; and Description;** and be deposited in the Tender Box, Ground Floor, Emakhazeni Local Municipality, 25 Scheepers Street, Belfast, Mpumalanga. **The Tenders shall remain valid for a period of 90 days from the closing date.** Telegraphic, telephonic, fax, telex e-mail or late tenders will not be accepted.

Project number	Description	Availability of Tender document	Closing Date	Functionality %	Contact person
ELM 23-24/04/02	SUPPLY, DELIVERY, OFF-LOADING AND TRAINING OF COMPACT SECTIONALIZER / FAULT LOCATOR DEVICE	Friday, the 19th of April 2024	Friday the 03rd of May 2024 at 12h00	70%	Procurement enquiries: Joas Madiope at 013 253 7601 joas.madiope@emakhazeni.gov.za Technical enquiries: Eugen Malungana at 013 253 7600 eugen.malungana@emakhazeni.gov.za

Tenders will be evaluated in terms of the Supply Chain Management policy of the Emakhazeni Local Municipality aligned to preferential procurement policy framework (PPPFA) (Act 5 of 2000). The method for evaluation of service providers is based on functionality, price and preferential (80/20 preference). Company Registration Number and tax compliance status PIN to enable the municipality to verify the bidder's tax compliance status must be attached. Service providers must be registered at central supplier database (CSD). Service provider must also ensure that their BBBEE certificate or sworn affidavit is still valid as they will have a big impact during evaluation processes.

NOTE TO BIDDERS ON BID CONDITIONS:

- The Supply Chain Management Policy of Emakhazeni Local Municipality will apply. The Council reserves the right not to accept the lowest bid or any bid and reserves the right to accept the whole or part of the bid, or to reject all bids and cancel the notice to bid.
- Bids that are submitted late, incomplete, unsigned or by facsimile, electronically or not completed in black ink will be rejected and not accepted for further evaluation.
- Members or Directors of Companies or Service Providers who are state employees are not allowed to bid or quote.
- Bids submitted are to be valid for a period of 90 days.

**MR. J.W. SHABANGU
MUNICIPAL MANAGER
EMAKHAZENI LOCAL MUNICIPALITY**



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Evaluation of Tenders

The Tenderers notice is drawn to the fact that the evaluation, adjudication and awarding of this tender will be in terms of ELM Supply Chain Management Policy which entails the balance between Financial Offer, Quality and preferences on 80-20 points system will be adopted.

Received Responsive bids will be evaluated based on the following criteria:

Stage 1 – Completeness & Functionality

Stage 2 – Price and Specific goals Points

FUNCTIONALITY POINTS:

DESCRIPTION	SPECIFIED REQUIREMENT	Elimination Factor	Max Points
EWSETA accreditation	Provide proof of Cable Fault location course accreditation with proof of valid and current EWSETA Registration number	Yes	20
Quality Assurance	Valid ISO certification (with certificate attached) in the name of the company tendering	Yes	10
Warranty	At least 2-year warranty on the complete system from date of delivery	Yes	10
Spares Guarantee	Minimum of 5 years supply of spares guarantee	Yes	10
Local Supplier to be ISO9001 accredited	Certificate to be submitted in the name of the Vendor.	Yes	10
Detailed brochure the underground cable route tracer with up to 10-Watt transmitter	Brochure that meets the required specifications	Yes	10
Minimum and Past Experience	Supply proof of cable fault location equipment the tenderer has delivered		
(Attach appointment letter/purchase order and contactable reference letters)	5 and more Appointment letters/ Purchase Order - 30 points	No	30
	3-4 Appointment letters/ Purchase Order - 20 points	No	
	1-2 Appointment letters and Purchase Order - 10 points	Yes	
TOTAL POINTS			100

1. The minimum qualifying score for functionality is 70%)
2. Bidders who scored (70%) or more on functionality will qualify for further evaluation on preferential points system.



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20 – POINTS (FOR SPECIFIC GOALS):

The specific goals allocated points in terms of this tender	Number of points claimed (80/20 system) (To be completed by the tenderer)	Means of verification
2,5 points for 100% black person or people owned enterprise;		Certified Identity Documents of the owners and CSD Report
2,5 points for more than 30% woman or women shareholding or owned enterprise;		Certified Identity Documents of the owners and CSD Report
2,5 points for more than 30% youth shareholding or owned enterprise;		Certified Identity Documents of the owners and CSD Report
2,5 points for more than 30% people living with disability shareholding or owned enterprise.		CSD Report
2,5 points for enterprise regarded as EMEs located within the local area of jurisdiction;		B-BBEE Sworn Affidavit and Municipal rates from ELM, together with proof of residence
5 points for Corporate Social Investment (CSI) or Social Labour Plan proposition;		Corporate Social Investment (CSI) or Social Labour Plan
2,5 points for valid B-BBEE level 1 contribution		B-BBEE Certificate or equivalent

C2.1. SCOPE OF WORK

DESCRIPTION OF THE SERVICE

This Tender calls for the supply and delivery of A CABLE ROUTE TRACER WITH UP TO 10WATT TRANSMITTER. The Underground Cable route tracer must be able to map quickly, easily and accurately energized and de-energized MV and LV distribution networks.

APPLICATION

Transmitter

Inject three (3) active tracing frequencies; Around 525 Hz, 9 kHz and 33 kHz by three different methods;

- Direct connection with alligator clamps on De-energized electric cables, telephone cables, etc.
- Induced with a Clamp on Energized & De-energized MV and LV cables, telephone cables, etc.
- Induction by way of a Built-in Antenna for the event the operator cannot access the cable or the cable location is unknown

Measure loop impedance of the cable, making it possible to choose the best working frequency for each cable trace requirement.

Power Output Selectable by user up to 10 Watts.

Training staff on safety operation, operation of the equipment and basic maintenance.

Receiver

- Fully Digital LCD colour display with complete cable trace information available in 2 display formats to trace underground cables.
- Selectable list of conductors including: Electrical power, telecommunication cables.
- Intuitive performance with audio and visual, displaying depth, distance and angle to the cable with high accuracy and in real time.



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ACCESSORIES

Included

- Crock Clips
- Carry Case
- Operation Manual
- Calibration Certificate
- Induction Clamp (Energised Cables)
- EWSETA accredited training course

COMPLIANCE WITH SPECIFICATION

NO.	DESCRIPTION	SPECIFIED REQUIREMENT	COMPLY	COMMENTS
	Receiver			
1	Display	Colour LCD	Yes / No	
2	Display Modes	Bar Chart	Yes / No	
		Elliptical	Yes / No	
3	Audio Settings output	Variable	Yes / No	
4	Operating Modes	FULL Mode	Yes / No	
		NULL Mode	Yes / No	
		PEAK Mode	Yes / No	
		MAX Mode	Yes / No	
5	Display information	Target line with direction orientation	Yes / No	
		Transmitter Frequency	Yes / No	
		Depth	Yes / No	
		Current	Yes / No	
		Polarity	Yes / No	
6	Display Brightness	Automatic by Photosensor	Yes / No	
		Manual	Yes / No	
7	Trace Frequencies	Around 525Hz, 9KHz and 33KHz	Yes / No	
8	Passive Power Trace	50Hz, 60Hz	Yes / No	
9	Max. Cable Depth detectable	More than 5 meters deep	Yes / No	
10	Operation Time	Longer than 10h	Yes / No	
11	Operating Temperature	At least -20°C / +55°C	Yes / No	
12	Enclosure	IP54 protection	Yes / No	
13	EMC Standards	IEC61000-4-2 to 6, 8 and 11	Yes / No	
14	Security Standards	IEC61010-1:2001	Yes / No	
	Accessories			
	Included	Crock Clips	Yes / No	
		Carry Case	Yes / No	
		Operating Manual	Yes / No	
		Calibration Certificate	Yes / No	
		Induction Clamp	Yes / No	



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NO.	DESCRIPTION	SPECIFIED REQUIREMENT	COMPLY	COMMENTS
	Transmitter			
1	Output Frequencies	Around 525Hz, 9KHz and 33KHz	Yes / No	
2	Connection Options	Direct, Induced or Built-in Antenna	Yes / No	
3	Power Source	Built-in rechargeable Battery	Yes / No	
4	Operation Time	>10h at max power	Yes / No	
5	Output power	Selectable	Yes / No	
6	Max. Output power	Around 10W	Yes / No	
7	Max. Output current	Around 500mA	Yes / No	
8	Max. Output voltage	50Vac	Yes / No	
9	Protection	IP65 (with the lid closed)	Yes / No	
10	Max. Cable loop resistance	Around 1000 Ohms	Yes / No	
11	Security Standards	IEC61010-1:2001	Yes / No	
12	EMC Standards	IEC61326-1:2012	Yes / No	
	Training and Compliance			
1	Training capabilities	EWSETA registered and accredited	Yes / No	
		Provide proof of registered and accredited EWSETA cable tracing and locating courses in their name	Yes / No	
2	ISO Compliance	Certificate to be submitted	Yes / No	
3	Past Experience	Supply proof of least cable route tracing and location equipment delivered the past 05 years	Yes / No	
4	Country of Origin			