



DEPARTMENT OF WATER AND SANITATION

DUE AT 11:00 ON

CLOSING DATE: 28 AUGUST 2025.

WTE-2521ES

**SUPPLY AND DELIVERY OF ELECTRICAL TOOL BAG KIT,
AC/DC CLAMP METER, PHASE ROTATION TESTER,
RECHARGEABLE TORCH, AND LEATHER ARC FLASH
PROTECTIVE GLOVES AS PER THE SPECIFICATIONS**

SUBMIT BID DOCUMENTS TO:

POSTAL ADDRESS:

OR

TO BE DEPOSITED IN:

WATER AND SANITATION
PRIVATE BAG X 24
HOWICK, 3290

THE BID BOX AT THE ENTRANCE
GATE OF MIDMAR DAM
R103 PROSPECT ROAD
MIDMAR DAM
HOWICK, 3290

Compulsory Briefing Session

Date: N/A

Time:

Venue:

BIDDER: (Company Address OR Stamp)

**COMPILED BY:
DEPARTMENT OF WATER AND SANITATION**



DEPARTMENT OF WATER AND SANITATION

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T1 TENDERING PROCEDURES

T1.1 INSTRUCTIONS TO BIDDERS

1. ISSUING OF DOCUMENTS

- (a) A complete sets of bid documents are issued to a prospective Bidder.
- (b) Bidders must satisfy themselves that the document is complete and conform to the index of this document. Should any figures or writing be indistinct or should any pages be missing from this document or should this document or the drawing(s) contain any obvious errors, the Bidders must immediately notify the Department in order to have any discrepancy rectified or clarified before submitting his bid. Such clarification will be valid only if made by the Department by means of formal amendment as described hereunder prior to the date of submission of bids. The Department may issue amendments to clarify or modify the Bid Documents. A copy of each amendment will be issued to each bidder and shall be acknowledged on the form issued with the amendments. No claim whatsoever will be entertained for faults in the bid price resulting from the above-mentioned discrepancies.
- (c) No alterations, omissions or additions shall be made to this document, but should it be deemed necessary to do so, the Bidder is at liberty to qualify his bid.
- (d) All Bidders shall be deemed to have waived, renounced and abandoned any conditions printed or written upon any stationery used by them for the purpose of or in connection with the submission of bids which are in conflict with the conditions laid down in this document.
- (e) Each page of the completed document that will be submitted should be initialled by the Bidder at the bottom of the page.

2. QUERIES WITH RESPECT TO THIS BID

Queries of a specific technical nature may be discussed personally or telephonically with **Mr Ramaphakela at 033 239 1900 / Ramaphakelan@dws.gov.za** or may be directed in writing to: The Director: NWRI: Eastern Operations, Department of Water and Sanitation, Private X24, Howick.

3. COMPLETION OF BIDS

- (a) The bid must be signed on the Invitation to Bid form (SBD 1) annexed hereto with all blanks in the bid and the appendix filled in.
- (b) All spaces in the bid forms and other annexures shall be completed in full.
- (c) **SBD 3.1 in the bid document and the Pricing Schedule must be fully completed and priced out by the bidder. Failure to do so will deem your bid invalid.**

- (d) The bid documents shall not be separated in any way nor must any pages be detached from the original documents.

4. SUBMISSION OF BIDS

The Bid Document shall be completed, signed and submitted as follows:

- (a) The original Bid, together with a covering letter and supporting documents, shall be sealed in an envelope endorsed:

ORIGINAL BID FOR WTE-2521ES: SUPPLY AND DELIVERY OF ELECTRICAL TOOL BAG KIT, AC/DC CLAMP METER, PHASE ROTATION TESTER, RECHARGEABLE TORCH, AND LEATHER ARC FLASH PROTECTIVE GLOVES AS PER THE SPECIFICATIONS REPAIR OF ELECTRICAL PLANT AT GOEDERTROUW DAM.

- (b) Bids sealed and endorsed as above, will be received by: The Supply Chain Management Office or may be deposit in the bid box at the entrance of **Department of Water and Sanitation, R103 Prospect Road, Howick** and not later than **11:00** on the date stipulated on the front cover of this document.

5. SIGNATURE ON BIDS

The Bid, if by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and **proof of such authority must be produced**. If the bid is by a Company, it must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.

The successful bidder will be required to submit a "Letter from the manufacturer" confirming the supply arrangement within 14 days after the approval of the bid.

If the bid is submitted by joint venture of more than one person and/or Companies and/or firms it shall be accompanied by the following:

- (a) The original or a notarially certified copy of the original document under which such joint venture was constituted which must define precisely inter alia the conditions under which the joint venture will function, its period of duration and the participation of the several constituent persons and/or companies and/or firms.
- (b) A certificate signed by or on behalf of each participating person and/or company and/or firm authorising the person who signed the bid to do so.

6. GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract, as attached shall be regarded as an integral part of the contract documents.

7. PERIOD OF VALIDITY OF QUOTATIONS AND WITHDRAWAL AFTER CLOSING DATE

All quotations shall remain valid for a period of **one hundred and twenty days (120)** after the closing time and date set.

8. TELEGRAPHIC BIDS

No bid forwarded by telegram, telex, facsimile, e-mail or similar apparatus will be considered.

9. THE DEPARTMENTS RIGHT TO DECLINE ANY BID

The Department does not bind itself to accept the lowest or any bid. Bids not complying with the above-mentioned requirements and specifications may be regarded as incomplete and may not be considered.

10. ACCEPTANCE OR REJECTION

Quotations may be rejected if they show any departure from the conditions or specifications contained in the quotation documents or are incomplete in any way. The employer **does not bind him** to accept the lowest or any quotation and reserves the right to accept any quotation he may deem expedient, nor will he assign any reason for the acceptance or rejection of any quotation.

11. DEPARTMENT NOT LIABLE FOR BIDDER'S EXPENSES

The Department will not be held liable for any expenses incurred in preparing and submitting bids.

T1.2 EVALUATION CRITERIA

DWS will evaluate all proposals according to the preferential Procurement Regulations 2022 and submissions will be adjudicated on 80/20 system and the evaluation criteria. Four phase evaluation will be considered in evaluating the bid. Upon receipt of the proposals, the evaluation criteria shown below will be used to select a suitable bidder

The evaluation process includes the following phases:

- Phase 1: Mandatory Compliance
- Phase 2: Administration Compliance
- Phase 3: Technical Compliance
- Phase 4: Price and Specific Goals (80/20) preferential system)

Phase 1: Mandatory Compliance

Bidder must comply with the following requirements. Failure to submit the documents listed below will render your bid no-responsive and will be disqualified.

No	Criteria	Yes	No
1.	Fully Completed bill of quantities		
2.	Fully Completed pricing schedule (SBD 3.1)		

Phase 2: Technical Compliance

Compliance requirements:

- Full compliance to the technical requirements by indicating compliance or non-compliance as per specification spread sheets (table). Bidders must indicate compliance by means of a (Yes) and non-compliance by means of a (No).
- A bidder who fails to comply with the below requirements in full will be considered non-responsive and may be disqualified from further evaluation.

Table: Technical evaluation and specification compliance.

LINE	SERVICE /GOODS DESCRIPTION	TECHNICAL INFORMATION	QUANTITY	COMPLIANCE	
				YES	NO
1	Electrician's toolkit in backpack that is designed to secure tools	<ul style="list-style-type: none"> • Suitable for harsh and demanding environments • Conforms to Safety Standards • Backpack is water resistant <p><u>What's in the bag -</u></p> <ul style="list-style-type: none"> • AW200 Adjustable Spanner 200mm • CC38 Cable Cutter 38mm² • ECOSET 7 Piece 1000V Insulated Screwdriver Set with Neon Voltage Tester • H015 Junior Hacksaw Blade length 150mm • HAMPB300 Ball Pein Hammer 300g • HT16UT Crimper 1.5-16mm² • HEADLIGHT LED Headlight • HUK1 Universal Panel Key • LGJ250 Groove Joint Plier 250mm • LGJ300 Groove Joint Plier 300mm • MHT5 5m Magnetic Tip Tape Measure • O1604LM 7 Piece Allen Key Set 2.5-10mm² • SDC200 Diagonal Cutter 200mm • SEP200 Combination Plier 200mm • SLN160 Long Nose Plier 160mm • SVN160 Wire Stripper 160mm • SW10 Socket Driver 10mm • SW8 Socket Driver 8mm • VG250 Vice Grip 250mm • WAK2 Manual Retractable Utility Knife (Blade length 60mm) 	1		

		<ul style="list-style-type: none"> • TOOLBAGBP Bag dimensions (mm): 460(H) x 380(W) x 210(D) 			
2	AC/DC Clamp Meter, 600A dc, Max Current 600A ac CAT III 1000 V, CAT IV 600 V	<ul style="list-style-type: none"> • Large backlit display • 600 A ac and dc current measurement with fixed jaws • 2500 A ac current measurement with optional iFlex flexible current probe • 600 V ac (true rms) and dc voltage measurement • Capacitance, resistance and continuity measurement • Display HOLD, Min, max, average and inrush recording • CAT IV 600V, CAT III 1000 V safety rating • 500mV dc measurement range to interface with other accessories • Frequency measurement • Low pass filter for stable readings in noisy environments • Supplied with Soft carry case, 2 x AA alkaline batteries and instructions 	1		
3	Phase Rotation Tester	<ul style="list-style-type: none"> • • Slim-Reach test probes (black) 1000 V CAT III/600 V CAT IV • 3 self-retaining test probes, 1000 V CAT I • 3 alligator clips, 1000 V CAT III/600 V CAT IV • 3-phase indication • Continuous operating timer • Indication of phase rotation • Clear LCD display • No battery required • Operating temperature ranges between 0°C and 40°C • Certifications • IP40 rated • EN 61010 • EN 61557-7 • CAT III 600V safety rated • Maximum Voltage 700V • Maximum Operating Temperature 40°C • Safety Category Voltage 300 V, 600 V • Minimum Voltage 40V 	1		

4	Rechargeable torch	<ul style="list-style-type: none"> • 1 • 3000 Lumens • Cree XHP70 LED • 26650 rechargeable Li-ion power battery • Micro USB rechargeable • Lock out function • Battery level indication 	1		
5	Thermal Camera/scanner	<ul style="list-style-type: none"> • IR sensor resolution 80x80 pixel • Thermal sensitivity/NETD 0,1°C @ 30°C / 100 mK • Thermal accuracy Higher value $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ • Spectral range 8 – 14 μm • Spatial resolution 4,53 mrad • Min focus distance 0.5m • Focus Fixed • Display resolution 240x320 pxl • Color palettes 5 • Data storage 20 images • Data communication Bluetooth • Storage image format Bmp with temperature and emissivity • IP protection IP 54 • Operating temperature -10°C – 45°C • Storage temperature -30°C – 55°C • Humidity (storage and operation) < 80% • Weight 260g • Size 180mm x 60mm x 75mm MD 9910 Thermal camera • USB cable • Non-slip strap • Carrying case 	1		
6	Megger Insulation tester	<ul style="list-style-type: none"> • Tester Type Insulation Tester • Minimum Test Voltage 500V • Maximum Test Voltage 10000V • Maximum Insulation Resistance Measurement 20TΩ • Display Type LCD • Test Current 6mA • Power Source Battery, Mains • Battery Life 4.5 h • Battery Type Li-ion • Minimum Operating Temperature -20°C • Maximum Operating Temperature $+50^{\circ}\text{C}$ • Safety Category Level CAT IV • Safety Category CAT IV 600V • Safety Category Voltage 600V • Weight 4.5kg 	1		

		<ul style="list-style-type: none"> • Plug Type Type C - European Plug, Type G - British 3-pin • Dimensions 315 x 285 x 181mm • Length 315mm • Width 285mm • Height 181mm 			
7	Leather arc flash protective gloves	<ul style="list-style-type: none"> • Leather glove lined with Aramid fibre • Kevlar stitching Shirred extended • 16cm cuff Tan split cow leather palm to 1.2mm with equivalent reinforcing. • Tan split cow leather back 1.0 to 1.2mm, shirred. • Yellow aramid knitted wrist cuff with tan split cow leather 0.8 to 1.0mm leather continuous pull 380g per pair • 1 x (size S), 2 x (size M) • 51 CAL/CM² arc rated leather gloves • High cut level D High Abrasion Resistance • High resistance to snatch, tear, cut and heat. • Waterproof Multi-layer protection provides flexibility, comfort and excellent insulation. • SUITABLE FOR USE IN Power & Utility Companies Installation, maintenance & repairs of high voltage equipment. 	2		
8	Link stick	<ul style="list-style-type: none"> • Triangular - shaped design keeps sections aligned during extension and retraction • Withstands voltage rating of 100kV from 30cm for 5min • Universal end fitting 	1		
9	HV Proximity tester	<ul style="list-style-type: none"> • 10 voltage settings from 240V to 500kV • Bright LED visual indication and Audible indication • AC voltage detection from 240V to 500kV • Wide 120° angle for voltage detection • Non-contact detection by proximity • IP65 waterproof housing • Easy-to-prove method • Compatible with most hot sticks • Suitable for indoor and outdoor use • High impact nylon casing 	1		

		<ul style="list-style-type: none"> Built-in Flashlight Self-test function Comply with EN 61326-1, CISPR 11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-8 			
10	Portable earths	<ul style="list-style-type: none"> 4 x 2m Phase leads of 16mm² flexible copper with yellow insulation with snap on clamps both sides. 2 x 10m Phase to cluster bar leads of 16mm² flexible copper yellow insulated with snap on clamps one side and earth clamps on the other side. 1 x 4m Cluster bar to earth rod lead of 16mm² flexible copper yellow insulated with earth clamps on both sides. 1 x Cluster bar 1 x Cluster head 1 x Heavy duty carry bag 	1		
11	Corona Discharge tester	<ul style="list-style-type: none"> Detecting frequency Central frequency 40kHz Detecting directionality $\pm 8^\circ$ Sensitivity MK-720-E: 15% and more at 1 meter distance MK-720L-E: 20% and more at 2 meters distance, 6% and more at 8 meters distance (Discharge measurement equivalent 100 to 300 pC) Functions Display of discharge component rate Display converted value in acoustic pressure Alarm based on discharge component rate Measuring point indication with laser pointer (Laser pointer light intensity Class 2 JIS C6802, Class 2 IEC 6825-1) MK-720L only: Peak hold mode, Display of measured wave and FFT spectrum Data memory Discharge component rate and converted value in acoustic pressure: <ul style="list-style-type: none"> MK-720-E: Max. 500 data MK-720L-E: Max. 200 data Received ultrasound waveform FFT TOP10: <ul style="list-style-type: none"> MK-720-E: Max. 10 data MK-720L-E: Max. 70 data Output Buzzer by setting max level Signal output via 3.5mm mini jack 	1		

		<ul style="list-style-type: none"> • USB port for memory data output (USB mini B socket) • Power supply 4x AA alkaline battery (over 8 hours continuous use) • Dimensions W 174 X H 268 X D 98 mm • Weight Approx.400g (excluding batteries) • Temp Limits 32-104 °F / 0-40 °C, 10-85%RH (non-condensing) • Standard configuration MK-720, 4x AA batteries, USB cable, Software (Win XP & 7) (CD) (MK-9804), Earphone, Strap, Instruction manual, Inspection sheet • Options Carrying case (MK-9703), Soft case (MK-9702), Reference oscillator (MP-161) 			
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PHASE 3: ADMINISTRATIVE COMPLIANCE

Bidders are required to comply with the following listed below:

No	Criteria	Yes	No
1	Companies must be registered with National Treasury's Central Supplier Database must submit CSD report. Provide MAAA number on SBD1		
2	Tax compliant with SARS (to be verified through CSD and SARS). Attach Tax Compliance status PIN page		
3	Active registration with Company Intellectual Property Commission (to be verified through CSD and CIPC). Attach copy of Bidder's CIPC / CIPRO certificate.		
4	A valid copy of B-BBEE Status Level Verification Certificate or a valid original sworn affidavit (failure to submit, the Bidder will forfeit the relevant points allocated for B-BBEE under specific goals)		
5	Initial and sign Tender data section (T1 & T2) and all required documents to be submitted with tender. Initial each page of section C1, C2 and C3 and sign where required.		
6	Letter of appointment of duly authorized person to sign bid. Proof of such authority must be submitted with the bid. If by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and proof of such authority must be produced. If the bid is by a Company, it must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.		

No	Criteria	Yes	No
7	Complete, sign, submit SBD1, SBD4, SBD6.1 and Annexures C (Local Production and Content declaration – summary schedule.)		

Phase 4: Price and Specific Goals

The 80/20-point system will be used in evaluating all proposals.

SPECIFIC GOALS	20	
PRICE	80	
Total	100	

Price

A maximum of 80 points are allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where:

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{\min} = Comparative price of lowest acceptable bid

Preference Point System (Specific Goals)

SPECIFIC GOALS	NUMBER OF POINTS TO BE ALLOCATED	Bidder's points claimed for specific goals (To be completed by Bidder)
Women	5	
People with disability	5	
Youth (35 and below)	5	
Location of enterprise (Province)	2	
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	3	
Total points for SPECIFIC GOALS	20	

Documents requirement for verification of points allocation:

Procurement Requirement	Required Proof Documents
Women	Full CSD Report
Disability	Full CSD Report
Youth	Full CSD Report
Location	Full CSD Report
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	Valid BBBEE certificate/sworn affidavit Consolidated BEE certificate in cases of Joint Venture. Full CSD Report

The definition and measurement of the goals above is as follows:

Women, disability, and youth:

This will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets this criterion. E.g., Company A has five shareholders each of whom own 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

Location of enterprise

Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to obtain the points.

B-BBEE status level contributors from level 1 to 2 which are QSE or EME

Measured in terms of normal BBBEE requirements.

Note: Formula for calculating points for specific goals

Preference points for entities are calculated on their percentage shareholding in a business, provided that they are actively involved in and exercise control over the enterprise. The following formula is prescribed:

$$PC = Mpa \times \frac{P\text{-own}}{100}$$

Where

PC= Points awarded for specific goal

Mpa= The maximum number of points awarded for ownership in that specific category

P-own = The percentage of equity ownership by the enterprise or business

TECHNICAL ENQUIRIES

Should you require any further information in this regard, please do not hesitate to contact:

Name: Neo Ramaphakela

Tel: 033 239 1900

Mobile: 033 239 1306

Email: Ramaphakelan@dws.gov.za

T1.3 LIST OF RETURNABLE DOCUMENTS AND SCHEDULES

The Bidder must complete and attach the following Returnable Documents:

a) SBD Forms to be completed and signed

- | | | |
|--------|--|--------------------------|
| SBD1 | Invitation to Bid | <input type="checkbox"/> |
| SBD3.1 | Pricing Schedule – Firm Prices | <input type="checkbox"/> |
| SBD4 | Declaration of Interest | <input type="checkbox"/> |
| SBD6.1 | Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022 | <input type="checkbox"/> |

b) Returnable Schedules required for Bid Evaluation purposes

- | | | |
|----|---|--------------------------|
| A: | Certificate of attendance of briefing session | <input type="checkbox"/> |
| B: | Bill of Quantities (BOQ) | <input type="checkbox"/> |

c) Other Documents required for Bid Evaluation purposes

- | | | |
|----|--|--------------------------|
| 1: | Company/business registration certificate (CK) issued by the Commissioner of Companies & Intellectual Property Commission (Joint Ventures/Close Corporation/Partnership/Company/Sole Proprietor) | <input type="checkbox"/> |
| 2: | An original valid Tax Clearance Certificate issued by the South African Revenue Services. | <input type="checkbox"/> |
| 3: | Certified copies of Identity Documents of shareholders | <input type="checkbox"/> |
| 4: | B-BBEE Status Level Verification Certificate or Sworn Affidavit | <input type="checkbox"/> |
| 5: | Letter of Authority indicating the person who will be authorized to sign bidding documents and contract on behalf of bidder | <input type="checkbox"/> |
| 6: | General condition of a contract, signed | <input type="checkbox"/> |
| 7: | CSD Reports (comprehensive) | <input type="checkbox"/> |
| 8: | Check list of returnable documents | <input type="checkbox"/> |



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

SBD 1

PART A: INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	WTE-2521ES		CLOSING DATE: 28 AUGUST 2025		CLOSING TIME: 11:00am
DESCRIPTION	SUPPLY AND DELIVERY OF ELECTRICAL TOOL BAG KIT, AC/DC CLAMP METER, PHASE ROTATION TESTER, RECHARGEABLE TORCH, AND LEATHER ARC FLASH PROTECTIVE GLOVES AS PER THE SPECIFICATIONS				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
THE BID BOX AT THE ENTRANCE OF WATER AND SANITATION – MIDMAR DAM					
R103 PROSPECT STREET					
HOWICK, 0001					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Nokubonga Mkhize		CONTACT PERSON	Mr. N Ramaphakela	
TELEPHONE NUMBER	033 239 1311			033 239 1306	
FACSIMILE NUMBER					
E-MAIL ADDRESS	Mkhizen6@dws.gov.za		E-MAIL ADDRESS	Ramaphakelan@dws.gov.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

.....

DATE:

.....



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

SBD 3.1

**PRICING SCHEDULE – FIRM PRICES
(PURCHASES)**

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of bidder.....

Bid number: WTE-2521ES **Closing date:** 28 AUGUST 2025 **Closing Time** **11:00**

OFFER TO BE VALID FOR **120 DAYS** FROM THE CLOSING DATE OF BID.

ITEM NO.	QTY	DESCRIPTION OF GOODS	UNIT PRICE (<i>To be filled by the bidder</i>)	BID PRICE (<i>To be filled by the bidder</i>)
1	1	Electrician's toolkit in backpack that is designed to secure tools		
2	1	AC/DC Clamp Meter, 600A dc, Max Current 600A ac CAT III 1000 V, CAT IV 600 V		
3	1	Phase Rotation Tester		
4	1	Rechargeable torch		
5	1	Thermal Camera/scanner		

6	1	Megger Insulation tester		
7	2	Leather arc flash protective gloves		
8	1	Link stick		
9	1	HV Proximity tester		
10	1	Portable earths		
11	1	Corona Discharge tester		
			15% VAT	
			TOTAL BID PRICE	

-
- **Required by:** OPERATIONS EASTERN
 - **Att:** SUPPLY CHAIN MANAGEMENT
 - **Brand and model**
 - **Country of origin**
 - **Does the offer comply with the specification(s)?** *YES/NO
 - **If not to specification, indicate deviation(s)**
 - **Period required for delivery**
*Delivery: Firm/not firm
 - **Delivery basis**

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

**** “all applicable taxes” includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.**



BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the Bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

- 2.1 Is the Bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

2.2 Do you, or any person connected with the Bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....

.....

2.3 Does the Bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....

.....

3 DECLARATION

I, the undersigned, (name).....
in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The Bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the Bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

- 3.5 There have been no consultations, communications, agreements or arrangements made by the Bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the Bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2022**

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and

1.2 To be completed by the organ of state

- a) The applicable preference point system for this tender is the **80/20** preference point system.

- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80points is allocated for price on the following basis:

80/20 or

$$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
 - (a) an invitation for tender for income-generating contracts, that either the 80/20 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.
(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points Claimed (80/20 system) To be completed by the Tenderer
Women Ownership	5	
Disability Ownership	5	
Youth Ownership	5	
Location of enterprise (local equals province) Western Cape	2	
B-BBEE status level contribution from level 1 to 2 which are QSE or EME	3	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct.
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.

- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

LOCAL CONTENT ANNEXURE C

SATS 1286.2011

Annex C

Local Content Declaration - Summary Schedule

(C1) Tender No.
(C2) Tender description:
(C3) Designated product(s)
(C4) Tender Authority:
(C5) Tendering Entity name:
(C6) Tender Exchange Rate:
(C7) Specified local content %

Note: VAT to be excluded from all calculations

Pula EU GBP

Calculation of local content							
Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)

Tender summary			
Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

Signature of tenderer from Annex B

Date: _____

(C20) Total tender value R 0
(C21) Total Exempt imported content R 0
(C22) Total Tender value net of exempt imported content R 0
(C23) Total Imported content R 0
(C24) Total local content R 0
(C25) Average local content % of tender



C1: CONTRACT DATA

C1.1 GENERAL CONDITIONS OF CONTRACT

C1.3 QUESTIONNAIRES

C2. PRICING DATA

C2.1 BILL OF QUANTITIES



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

CONTRACT NO:

PRICING DATA: BILL OF QUANTITIES

SUPPLY AND DELIVERY OF ELECTRICAL TOOL BAG KIT, AC/DC CLAMP METER, PHASE ROTATION TESTER, RECHARGEABLE TORCH, AND LEATHER ARC FLASH PROTECTIVE GLOVES AS PER THE SPECIFICATIONS

Item. No.	Pay Ref.	Description	Unit	QTY	Rate	Amount
1		Electrician's toolkit in backpack that is designed to secure tools	each	1		
2		AC/DC Clamp Meter,	each	1		
3		Phase Rotation Tester	each	1		
4		Rechargeable torch	each	1		
5		Thermal camera/scanner	each	1		
6		Megger Insulation tester	each	1		
7		Leather arc flash protective gloves	each	2		
8		Link stick	each	1		
9		HV proximity tester	each	1		
10		Portable earths	each	1		
11		Corona discharge tester	each	1		
12		Delivery	sum	1		
Sub Total						
Add 15% VAT						
TOTAL						

SIGNATURE OF BIDDER:

DATE:



C3: SCOPE OF WORKS

C3.1 Technical Specification

Specification for supply and delivery of Electrician's toolkit in carry backpack that is designed to secure tools, AC/DC clamp meter, phase rotation tester, Rechargeable torch, Thermal Camera/scanner, HV proximity tester, Leather arc flash protective gloves, megger, corona discharge tester, link stick, as per the specifications below:

LINE	SERVICE /GOODS DESCRIPTION	TECHNICAL INFORMATION	QUANTITY
1	Electrician's toolkit in backpack that is designed to secure tools	<ul style="list-style-type: none">• Suitable for harsh and demanding environments• Conforms to Safety Standards• Backpack is water resistant <p><u>What's in the bag -</u></p> <ul style="list-style-type: none">• AW200 Adjustable Spanner 200mm• CC38 Cable Cutter 38mm²• ECOSET 7 Piece 1000V Insulated Screwdriver Set with Neon Voltage Tester• H015 Junior Hacksaw Blade length 150mm• HAMP300 Ball Pein Hammer 300g• HT16UT Crimper 1.5-16mm²• HEADLIGHT LED Headlight• HUK1 Universal Panel Key• LGJ250 Groove Joint Plier 250mm• LGJ300 Groove Joint Plier 300mm• MHT5 5m Magnetic Tip Tape Measure• O1604LM 7 Piece Allen Key Set 2.5-10mm²• SDC200 Diagonal Cutter 200mm• SEP200 Combination Plier 200mm	1

		<ul style="list-style-type: none"> • SLN160 Long Nose Plier 160mm • SVN160 Wire Stripper 160mm • SW10 Socket Driver 10mm • SW8 Socket Driver 8mm • VG250 Vice Grip 250mm • WAK2 Manual Retractable Utility Knife (Blade length 60mm) • TOOLBAGBP Bag dimensions (mm): 460(H) x 380(W) x 210(D) 	
2	AC/DC Clamp Meter, 600A dc, Max Current 600A ac CAT III 1000 V, CAT IV 600 V	<ul style="list-style-type: none"> • Large backlit display • 600 A ac and dc current measurement with fixed jaws • 2500 A ac current measurement with optional iFlex flexible current probe • 600 V ac (true rms) and dc voltage measurement • Capacitance, resistance and continuity measurement • Display HOLD, Min, max, average and inrush recording • CAT IV 600V, CAT III 1000 V safety rating • 500mV dc measurement range to interface with other accessories • Frequency measurement • Low pass filter for stable readings in noisy environments • Supplied with Soft carry case, 2 x AA alkaline batteries and instructions 	1
3	Phase Rotation Tester	<ul style="list-style-type: none"> • Slim-Reach test probes (black) 1000 V CAT III/600 V CAT IV • 3 self-retaining test probes, 1000 V CAT I • 3 alligator clips, 1000 V CAT III/600 V CAT IV • 3-phase indication • Continuous operating timer • Indication of phase rotation • Clear LCD display • No battery required • Operating temperature ranges between 0°C and 40°C • Certifications • IP40 rated • EN 61010 	1

		<ul style="list-style-type: none"> • EN 61557-7 • CAT III 600V safety rated • Maximum Voltage 700V • Maximum Operating Temperature 40°C • Safety Category Voltage 300 V, 600 V • Minimum Voltage 40V 	
4	Rechargeable torch	<ul style="list-style-type: none"> • 3000 Lumens • Cree XHP70 LED • 26650 rechargeable Li-ion power battery • Micro USB rechargeable • Lock out function • Battery level indication 	1
5	Thermal Camera/scanner	<ul style="list-style-type: none"> • IR sensor resolution 80x80 pixel • Thermal sensitivity/NETD 0,1°C @ 30°C / 100 mK • Thermal accuracy Higher value ±2°C or ±2 % • Spectral range 8 – 14 µm • Spatial resolution 4,53 mrad • Min focus distance 0.5m • Focus Fixed • Display resolution 240x320 pxl • Color palettes 5 • Data storage 20 images • Data communication Bluetooth • Storage image format Bmp with temperature and emissivity • IP protection IP 54 • Operating temperature -10°C – 45°C • Storage temperature -30°C – 55°C • Humidity (storage and operation) < 80% • Weight 260g • Size 180mm x 60mm x 75mm • MD 9910 Thermal camera • USB cable • Non-slip strap • Carrying case 	1

6	Megger Insulation tester	<ul style="list-style-type: none"> • Tester Type Insulation Tester • Minimum Test Voltage 500V • Maximum Test Voltage 10000V • Maximum Insulation Resistance Measurement 20TΩ • Display Type LCD • Test Current 6mA • Power Source Battery, Mains • Battery Life 4.5 h • Battery Type Li-ion • Minimum Operating Temperature -20°C • Maximum Operating Temperature +50°C • Safety Category Level CAT IV • Safety Category CAT IV 600V • Safety Category Voltage 600V • Weight 4.5kg • Plug Type Type C - European Plug, Type G - British 3-pin • Dimensions 315 x 285 x 181mm • Length 315mm • Width 285mm • Height 181mm 	1
7	Leather arc flash protective gloves	<ul style="list-style-type: none"> • Leather glove lined with Aramid fibre • Kevlar stitching Shirred extended • 16cm cuff Tan split cow leather palm • to 1.2mm with equivalent reinforcing. • Tan split cow leather back 1.0 to 1.2mm, shirred. • Yellow aramid knitted wrist cuff with tan split cow leather 0.8 to 1.0mm leather continuous pull 380g per pair • 1 x (size S), 2 x (size M) • 51 CAL/CM² arc rated leather gloves 	2

		<ul style="list-style-type: none"> • High cut level D High Abrasion Resistance • High resistance to snatch, tear, cut and heat. • Waterproof Multi-layer protection provides flexibility, comfort and excellent insulation. • SUITABLE FOR USE IN Power & Utility Companies Installation, maintenance & repairs of high voltage equipment. 	
8	Link stick	<ul style="list-style-type: none"> • Triangular - shaped design keeps sections aligned during extension and retraction • Withstands voltage rating of 100kV from 30cm for 5min • Universal end fitting 	1
9	HV Proximity tester	<ul style="list-style-type: none"> • 10 voltage settings from 240V to 500kV • Bright LED visual indication and Audible indication • AC voltage detection from 240V to 500kV • Wide 120° angle for voltage detection • Non-contact detection by proximity • IP65 waterproof housing • Easy-to-prove method • Compatible with most hot sticks • Suitable for indoor and outdoor use • High impact nylon casing • Built-in Flashlight • Self-test function • Comply with EN 61326-1, CISPR 11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-8 	1

10	Portable earths	<ul style="list-style-type: none"> • 4 x 2m Phase leads of 16mm² flexible copper with yellow insulation with snap on clamps both sides. • 2 x 10m Phase to cluster bar leads of 16mm² flexible copper yellow insulated with snap on clamps one side and earth clamps on the other side. • 1 x 4m Cluster bar to earth rod lead of 16mm² flexible copper yellow insulated with earth clamps on both sides. • 1 x Cluster bar • 1 x Cluster head • 1 x Heavy duty carry bag 	1
11	Corona Discharge tester	<ul style="list-style-type: none"> • Detecting frequency Central frequency 40kHz • Detecting directionality $\pm 8^\circ$ • Sensitivity MK-720-E: 15% and more at 1 meter distance • MK-720L-E: 20% and more at 2 meters distance, 6% and more at 8 meters distance • (Discharge measurement equivalent 100 to 300 pC) • Functions Display of discharge component rate • Display converted value in acoustic pressure • Alarm based on discharge component rate • Measuring point indication with laser pointer (Laser pointer light intensity Class 2 JIS C6802, Class 2 IEC 6825-1) • MK-720L only: Peak hold mode, Display of measured wave and FFT spectrum • Data memory Discharge component rate and converted value in acoustic pressure: <ul style="list-style-type: none"> • MK-720-E: Max. 500 data • MK-720L-E: Max. 200 data • Received ultrasound waveform FFT TOP10: <ul style="list-style-type: none"> • MK-720-E: Max. 10 data • MK-720L-E: Max. 70 data 	1

		<ul style="list-style-type: none"> • Output Buzzer by setting max level • Signal output via 3.5mm mini jack • USB port for memory data output (USB mini B socket) • Power supply 4x AA alkaline battery (over 8 hours continuous use) • Dimensions W 174 X H 268 X D 98 mm • Weight Approx.400g (excluding batteries) • Temp Limits 32-104 °F / 0-40 °C, 10-85%RH (non-condensing) • Standard configuration MK-720, 4x AA batteries, USB cable, Software (Win XP & 7) (CD) (MK-9804), Earphone, Strap, Instruction manual, Inspection sheet • Options Carrying case (MK-9703), Soft case (MK-9702), Reference oscillator (MP-161) 	
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