

# MANDERA COUNTY GOVERNMENT TENDER DOCUMENT

**FOR** 

# SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ABEM TERRAMETER LS 2 ADVANCED 4/82 AND ACCESSORIES

IN

# **MANDERA COUNTY**

MCG/OT/005/2023-2024

**JULY, 2023** 

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### **INTRODUCTION**

- 1.1 This standard tender document for procurement of supply of good has been prepared for use by procuring entities in Kenya in the procurement of supply of good (e.g. Buildings, Roads, Bridges, Repairs and Maintenance) which the procuring entity considers to be small and where it is not required to be open tendering.
- 1.2 The following guidelines should be observed when using the document:-
  - (a) Specific details should be furnished in the tender notice and in the special conditions of contract (where applicable). The tender document issued to tenderers should not have blank spaces or options.
  - (b) The instructions to tenderers and the General Conditions of Contract should remain unchanged. Any necessary a amendments to these parts should be made through Appendix to instructions to tenderers and special conditions of contract respectively.
- 1.3 (a) Information contained in the invitation to tender shall conform to the data and information in the tender documents to enable prospective tenderers to decide whether or not to participate in the tender and shall indicate any important tender requirements
  - I. The invitation to tender shall be as an advertisement in accordance with the regulations or a letter of invitation addressed to tenderers who have been prequalified following a request for prequalification.
- 1.4 The cover of the tender document should be modified to include:-
  - II. Tender number.
  - III. Tender name.
  - IV. Name of procuring entity.
  - V. Delete name and address of PPOA.

# SECTION I INVITATION FOR TENDERS

Tender reference no.: MCG/OT/005/2023-2024

14<sup>th</sup> July 2023

Tender Name: SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ABEM TERRAMETER LS 2 ADVANCED 4/82 AND ACCESSORIES IN MANDERA

- 1.1 The Mandera <u>County Government</u> invites sealed tenders for **SUPPLY**, **DELIVERY**, **INSTALLATION AND COMMISSIONING OF ABEM TERRAMETER LS 2 ADVANCED** 4/82 AND ACCESSORIES IN MANDERA
- 1.2 Interested eligible candidates may obtain and inspect tender documents from our website <a href="https://www.mandera.go.ke">www.mandera.go.ke</a>. For any more information/clarification interested applicants can visit the office of the Director of Supply Chain Management Office at county headquarters of mandera, during normal working hours.
- 1.3 Prices quoted should be net inclusive of all taxes, must be in Kenya shillings and shall remain valid for the contract period.
- 1.4 Original and a copy of tender documents are to be enclosed in plain sealed envelopes marked with Tender name and reference number and deposited in the Tender Box located at the supply chain management office in Mandera or to be addressed to

**County Chief Officer water services** 

P.O. Box 13 Mandera

so as to be received on or before FRIDAY, 28<sup>TH</sup> JULY 2023 at 10.00 Am

1.6 Tenders will be opened immediately thereafter in the presence of the candidates or their representatives who choose to attend at a location as will be designated.

**Director Supply Chain Management** 

**For COUNTY Chief Officer Water services** 

### SECTION II

### INSTRUCTIONS TO TENDERERS

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### INSTRUCTIONS TO TENDERERS.

### 1. General

- 1.1 The Employer as defined in the Appendix to Conditions of Contract invites tenders for Supply of good as described in the tender documents. The successful Tenderer will be expected to complete the Supply of good by the Intended Completion Date specified in the said Appendix.
- 1.2 Tenderers shall include the following information and documents with their tenders, unless otherwise stated:
  - (a) copies of certificates of registration, and principal place of business;
  - (b) total monetary value of construction work performed for each of the last five years;
  - (c) experience in supply of good of a similar nature and size for each of the last five years, and clients who may be contacted for further information on these contracts;
  - (d) major items of construction equipment owned;
  - (e) qualifications and experience of key site management and technical personnel proposed for the Contract;
  - (f) reports on the financial standing of the Tenderer, such as profit and loss statements and auditor's reports for the last five years;
  - (g) authority to seek references from the Tenderer's bankers.
- 1.3 The Tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible or liable for those costs.
- 1.4 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Supply of good and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Supply of good. The costs of visiting the Site shall be at the Tenderer's own expense.
- 1.5 The procurement entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 1.6 The price to be charged for the tender document shall not exceed Kshs.1,000/=
- 1.7 The procuring entity shall allow the tenderer to review the tender document free of charge before purchase.

### 2. Tender Documents

- 2.1 The complete set of tender documents comprises the documents listed here below and any addenda issued in accordance with clause 2.4 herebelow:-
  - (a) These instructions to Tenderers
  - (b) Form of Tender
  - (c) Conditions of Contract and Appendix to Conditions of Contract
  - (d) Specifications
  - (e) Drawings
  - (f) Bills of Quantities/Schedule of Rates (whichever is applicable)
  - (g) Other materials required to be filled and submitted in accordance with these Instructions and Conditions
- 2.2 The Tenderer shall examine all instructions, forms and specifications in the tender documents. Failure to furnish all information required by the tender documents may result in rejection of his tender.
- 2.3 A prospective Tenderer making inquiries of the tendering documents may notify the Employer in writing or by cable, telex or facsimile at the address indicated in the letter of invitation to tender. The Employer will respond to any request for clarification received earlier than seven [7] days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.
- 2.4 Before the deadline for submission of tenders, the Employer may modify the tendering documents by issuing addenda. Any addendum thus issued shall be part of the tendering documents and shall be communicated in writing or by cable, telex or facsimile to all Tenderers. Prospective Tenderers shall acknowledge receipt of each addendum in writing to the Employer.
- 2.5 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend, as necessary, the deadline for submission of tenders in accordance with clause 4.2 herebelow.

## 3. Preparation of Tenders

- 3.1 All documents relating to the tender and any correspondence shall be in English Language.
- 3.2 The tender submitted by the Tenderer shall comprise the following:-
  - (a) The Tender;

- (b) Tender Security;
- (c) Priced Bill of Quantities/Schedule of Rates for lump-sum Contracts
- (d) Any other materials required to be completed and submitted by Tenderers.
- 3.3 The Tenderer shall fill in rates and prices for all items of the Supply of good described in the Bill of Quantities/Schedule of Rates. Items for which no rate or price is entered by the Tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities/Schedule of Rates. All duties, taxes and other levies payable by the Contractor under the Contract, as of 30 days prior to the deadline for submission of tenders, shall be included in the tender price submitted by the Tenderer.
- 3.4 The rates and prices quoted by the Tenderer shall not be subject to any adjustment during the performance of the Contract.
- 3.5 The unit rates and prices shall be in Kenya Shillings.
- 3.6 Tenders shall remain valid for a period of sixty (60) days from the date of submission. However in exceptional circumstances, the Employer may request that the Tenderers extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing.
- 3.7 The Tenderer shall prepare one original and a copy of the documents comprising the tender documents as described in these Instructions to Tenderers.
- 3.8 The original shall be typed or written in indelible ink and shall be signed by a person or persons duly authorised to sign on behalf of the Tenderer. All pages of the tender where alterations or additions have been made shall be initialed by the person or persons signing the tender.
- 3.9 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 7 days prior to the deadline for submission of tenders.
- 3.10 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

### 4. Submission of Tenders

4.1 The tender duly filled and sealed in an envelope shall;

- (a) be addressed to the Employer at the address provided in the invitation to tender;
- [b] bear the name and identification number of the Contract as defined in the invitation to tender; and
- [c] provide a warning not to open before the specified time and date for tender opening.
- 4.2 Tenders shall be delivered to the Employer at the address specified above not later than the time and date specified in the invitation to tender.
- 4.3 The tenderer shall not submit any alternative offers unless they are specifically required in the tender documents.
  - Only one tender may be submitted by each tenderer. Any tenderer who fails to comply with this requirement will be disqualified.
- 4.4 Any tender received after the deadline for opening tenders will be returned to the tenderer un-opened.
- 4.5 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with sub-clause 2.5 in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

### 5. Tender Opening and Evaluation

- 5.1 The tenders will be opened in the presence of the Tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender.
- 5.2 The Tenderers' names, the total amount of each tender and such other details as may be considered appropriate, will be announced at the opening by the Employer. Minutes of the tender opening, including the information disclosed to those present will also be prepared by the Employer.
- 5.3 Information relating to the examination, clarification, evaluation and comparison of tenders and recommendations for the award of the Contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's officials, processing of tenders or award

- 5.4 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:
  - (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
  - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer's representative, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.
  - (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities/Quotation, the amount as stated in the Form of Tender shall prevail.
  - (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the Corrected Builder's Work (i.e. corrected tender sum less P.C. and Provisional Sums).
  - (e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
  - (f) The amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and with concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security forfeited.
- 5.5 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 5.6 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)
- 5.7 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.
  - 5.8 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request. Preference where allowed in the

### evaluation of tenders shall not exceed 15%

- 5.9 To assist in the examination, evaluation, and comparison of tenders, the Employer at his discretion, may request [in writing] any Tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile but no change in the tender price or substance of the tender shall be sought, offered or permitted.
- 5.10 The Tenderer shall not influence the Employer on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. Any effort by the Tenderer to influence the Employer or his employees in his decision on tender evaluation, tender comparison or Contract award may result in the rejection of the tender.

#### 6. Award of Contract

- 6.1 The award of the Contract will be made to the Tenderer who has offered the lowest evaluated tender price.
- 6.2 Notwithstanding the provisions of clause 6.1 above, the Employer reserves the right to accept or reject any tender and to cancel the tendering process and reject all tenders at any time prior to the award of Contract without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the action.
- 6.3 The Tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the "Letter of Acceptance") will state the sum [hereinafter and in all Contract documents called the "Contract Price" which the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Supply of good by the Contractor as prescribed by the Contract. The contract shall be formed on the parties signing the contract. At the same time the other tenderers shall be informed that their tenders have not been successful.
- 6.4 The Contract Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be signed by the Employer and sent to the successful Tenderer, within 30 days following the notification of award. Within 21 days of receipt ,the successful Tenderer will sign the Agreement and return it to the Employer.
- 6.5 Within 21 days after receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Performance Security amount

stipulated in the Appendix to Conditions of Contract.

- 6.6 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.
- 6.7 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.8 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 das of receiving the request from any tenderer.

#### 7. Corrupt and fraudulent practices

- The procuring entity requires that the tenderer observes the highest 7.1 standard of ethics during the procurement process and execution of the contract. A tenderer shall sign a declaration that he has not and will not be involved in corrupt and fraudulent practices.
- The procuring entity will reject a tender if it determines that the 7.2 tenderer recommended for award has engaged in corrupt and fraudulent practices in competing for the contract in question.
- 7.3 Further a tenderer who is found to have indulged in corrupt and fraudulent practices risks being debarred from participating in public procurement in Kenya.

# **Appendix to Instructions to Tenderers** Notes on the Appendix to the Instruction to Tenderers

- 1. The Appendix to instructions to tenderers is intended to assist the procuring entity in providing specific information in relation to the corresponding clause in the instructions to Tenderers and has to be prepared for each specific procurement.
- 2. The procuring entity should specify in the appendix information and requirements specific to the circumstances of the procuring entity, the goods to be procured and the tender evaluation criteria that will apply tenders.
- 3. In preparing the Appendix the following aspects should be taken into consideration:
  - The information that specifies and complements provisions of (a) Instruction to tenderers to be incorporated
- Amendments and/or supplements if any, to provisions of Section 2.0 as necessitated by the circumstances of the goods to be procured to be also incorporated
- 4. Section II should remain unchanged and can only be amended through the Appendix.
- 5. Clauses to be included in this part must be consistent with the public procurement law and the regulations.

### Appendix to Instructions to Tenderers/General information

The following information regarding the particulars of the tender shall complement supplement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provision of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the instructions to tenderers

INSTRUCTIONS	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
TO TENDERERS	
REFERENCE	
	The Bidder shall submit original and a copy of the tender document, clearly marking each "ORIGINAL TENDER" and "COPY OF TENDER" on or before
	FRIDAY, 28 <sup>TH</sup> JULY 2023 at 10.00 Am
	Both documents (Original & Copy) shall bear all the attachments required.
	The bidder shall submit a minimum bid security of 2% of the total tender sum
	from a reputable bank or recognized insurance company.
	Bidders shall attach three original recommendation letters from three different
	reputable clients not older than one month from the date of submission of this
	tender.

### PRELIMINARY REQUIREMENTS

- 1. All entries must be typed or written in ink. Mistakes must not be erased but should be crossed out and corrections made and initialed by the persons signing the tender.
- 2. The form of bid **shall** be duly filled, signed and stamped by an individual entrusted with the powers of attornev.
- 3. Each bid should be submitted in a plain sealed envelope with the Tender Number and Name endorsed on the outside.
- 4. The bidder shall attach a duly filled, signed and stamped confidential business questionnaire by an individual entrusted with the powers of attorney.
- 5. The form of power of attorney shall be duly filled, signed and stamped.
- 6. The tender document shall be submitted complete, intact with no page alterations.
- 7. Tenderers shall ensure that the submitted bid (documents) is (are) serialized i.e (each page in the submitted bid shall have serial identification).
- 8. All submitted forms and documents shall be duly filled, signed (where applicable) and stamped.

### Bidders shall attach copies of the under listed documents endorsed (signed and stamped) by commissioner of oaths/advocate registered in Kenya.

- 9. Valid current year business permit.
- 10. Valid current year tax compliance certificate.
- **11.** Certificate of incorporation.
- **12.** PIN/VAT certificate from KRA.
- 13. Financial audited accounts for the previous three years endorsed, signed and stamped by a registered external auditor.

Bidders that will not comply with the above criteria shall be considered non-responsive.

### **EVALUATION AND COMPARISON OF TENDERS**

Evaluation and comparison of tenders: the following evaluation criteria shall be applied not withstanding any other requirements in the tender documents

### a) Mandatory requirement(MR)

The following requirements must be met by the tenderer

PRELIMINARY EVALUATION CRITERIA

S/No	REQUIREMENTS	Score Mandatory	B1	B2	В3	B4	B5	B6	B7	B8
1.	Dully filled confidential business questionnaire	Mandatory (Yes/No)								
2.	Form of tender duly filled, signed and stamped	Mandatory (Yes/No)								
3.	Tenderers shall ensure that the submitted bid (documents) is (are) serialized .i.e (each page in the submitted bid shall have serial identification).	Mandatory (Yes/No)								
4.	The form of power of attorney shall be duly filled, signed and stamped.	Mandatory (Yes/No)								
5.	Submission of tender document in original and copy.	Mandatory (Yes/No)								
6.	All entries must be typed or written in ink. Mistakes must not be erased but should be crossed out and corrections made and initialed by the persons signed the tender.	Mandatory (Yes/No)								
7.	Bid security	Mandatory (Yes/No)								
8.	Bidders shall attach copies of the under listed d commissioner of oaths/ advocates registered in		orsed (	signed	and	stamp	ed) b	y		<u> </u>
9.	Valid current year business permits	Mandatory (Yes/No)								
10.	Valid current year tax compliance certificate	Mandatory (Yes/No)								
11.	Certificate of incorporations	Mandatory (Yes/No)								
12.	Pin/Vat certificate from KRA	Mandatory (Yes/No)								
13.	CR 12	Mandatory (Yes/No)								

**KEY** 

Bidder 1:B1

Bidder 2:B2

Bidder 3:B3

Bidder 4:B4

Bidder 5:B5

Bidder 6:B6

Bidder 7:B7

Bidder 8:B8

**NB:** At this stage, the tender's submission will either be responsive or nonresponsive. The non-responsive submission will be eliminated from the entire evaluation process and will not be considered further.

### **TECHNICAL EVALUATION CRITERIA SUMMARY**

No.	REQUIREMENTS	Scorecard (70 Marks)	B1	B2	В3
1	Previous experience( attach 5 letter of	25 Marks			
	recommendation/award) 5marks each year				
2	Project manager with a diploma preferably a technician	10 Marks			
3	Proof of physical location(attach lease/rental	10 Marks			
	agreement/valid business permit)				
5	Number of years in business (atleast 5 years) 3marks each	15 Marks			
	year				
6	Audited annual turnover of Ksh 5 million for each of the	10 Marks			
	last 2 years;				
	Total Score				
	Rank				

### b) Technical evaluations scores

This sections (technical evaluation) will be marked out of 70 and will be determined the technical scorers (TS). Note: at this stage any firm that failed to score 49/70 shall NOT be evaluated financially (pass mark is 49)

### B) Financial evaluation scores

At this stage the tender's submission will either be responsive or non responsive. The non-responsive submission will be eliminated.

### FINANCIAL EVALUATION CRITERIA SUMMARY

No.	Audited report (Last 3 years) (15 marks)	Bank statement (last 6 months) (6 marks)	Line of credit/credit facility (9marks)	Score (30Marks)	Total
B1					
B2					
В3					
B4					
B5					
B6					
<b>B</b> 7					
B8					

### COMBINED TECHNICAL AND FINANCIAL SCORES

BIDDER NO	SCORES	SCORES	TOTAL	RANK
	(TECHNICAL)	FINANCIAL		
B1				
B2				
В3				
B4				
B5				
B6				
B7				
B8				

# SECTION III -CONDITIONS OF CONTRACT

#### **Definitions** 1.

In this Contract, except where context otherwise requires, following terms shall be interpreted as indicated;

"Bills of Quantities" means the priced and completed Bill of Ouantities forming part of the tender[where applicable].

"Schedule of Rates" means the priced Schedule of Rates forming part of the tender [where applicable].

"The Completion Date" means the date of completion of the Supply of good as certified by the Employer's Representative.

"The Contract" means the agreement entered into by the Employer and the Contractor as recorded in the Agreement Form and signed by the parties.

"The Contractor" refers to the person or corporate body whose tender to carry out the Supply of good has been accepted by the Employer.

"The Contractor's Tender" is the completed tendering document submitted by the Contractor to the Employer.

"The Contract Price" is the price stated in the Letter of Acceptance.

"Days" are calendar days; "Months" are calendar months.

"A Defect" is any part of the Supply of good not completed in accordance with the Contract.

"The Defects Liability Certificate" is the certificate issued by Employer's Representative upon correction of defects by the Contractor.

"The Defects Liability Period" is the period named in the Appendix to Conditions of Contract and calculated from the Completion Date.

"Drawings" include calculations and other information provided or approved by the Employer's Representative for the execution of the Contract.

"Employer" Includes Central or Local Government administration,

Universities, Public Institutions and Corporations and is the party who employs the Contractor to carry out the Supply of good.

"Equipment" is the Contractor's machinery and vehicles brought temporarily to the Site for the execution of the Supply of good.

"Site" means the place or places where the permanent Supply of good are to be carried out including supply of goodhops where the same is being prepared.

"Materials" are all supplies, including consumables, used by the Contractor for incorporation in the Supply of good.

"Employer's Representative" is the person appointed Employer and notified to the Contractor for the purpose of supervision of the Supply of good.

"Specification" means the Specification of the Supply of good included in the Contract.

"Start Date" is the date when the Contractor shall commence execution of the Supply of good.

" A Subcontractor" is a person or corporate body who has a Contract with the Contractor to carry out a part of the Work in the Contract, which includes Work on the Site.

"Temporary supply of good" are supply of good designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Supply of good.

" A Variation" is an instruction given by the Employer's Representative which varies the Supply of good.

"The Supply of good" are what the Contract requires the Contractor to construct, install, and turnover to the Employer.

#### Contract Documents 2.

- 2.1 The following documents shall constitute the Contract documents and shall be interpreted in the following order of priority;
  - (1) Agreement,
  - (2) Letter of Acceptance,
  - (3) Contractor's Tender,
  - (4) Conditions of Contract,
  - (5) Specifications,
  - (6) Drawings,
  - (7) Bills of Quantities or Schedule of Rates [whichever is applicable]

- 3. Employer's Representative's Decisions
  - Except where otherwise specifically stated, the Representative will decide contractual matters between the Employer and the Contractor in the role representing the Employer.
- 4. Supply of good, Language and Law of Contract
  - 4.1 The Contractor shall construct and install the Supply of good in accordance with the Contract documents. The Supply of good may commence on the Start Date and shall be carried out in accordance with the Program submitted by the Contractor, as updated with the approval of the Employer's Representative, and complete them by the Intended Completion Date.
  - 4.2 The ruling language of the Contract shall be English language and the law governing the Contract shall be the law of the Republic of Kenya.
- 5. Safety, Temporary supply of good and Discoveries
  - The Contractor shall be responsible for design of temporary supply of 5.1 good and shall obtain approval of third parties to the design of the temporary supply of good where required.
  - 5.2 The Contractor shall be responsible for the safety of all activities on the Site.
  - Any thing of historical or other interest or significant value 5.3 unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Employer's Representative of such discoveries and carry out the Employer's Representative's instructions for dealing with them.
- 6 Work Program and Sub-contracting
  - Within seven days after Site possession date, the Contractor shall 6.1 submit to the Employer's Representative for approval a program showing the general methods, arrangements, order and timing for all the activities in the Supply of good.
  - 6.2 The Contractor may sub-contract the Supply of good (but only to a maximum of 25 percent of the Contract Price) with the approval of the Employer's Representative. However, he shall not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations.

### 7 The site

7.1 The Employer shall give possession of all parts of the Site to the Contractor.The Contractor shall allow the Employer's Representative and any other person authorised by the Employer's Representative ,access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.

### Instructions

8.1 The Contractor shall carry out all instructions of the Employer's Representative which are in accordance with the Contract.

### 9 Extension of Completion Date

- 9.1 The Employer's Representative shall extend the Completion Date if an occurrence arises which makes it impossible for completion to be achieved by the Intended Completion Date. The Employer's Representative shall decide whether and by how much to extend the Completion Date.
- 9.2 For the purposes of this clause, the following occurrences shall be valid for consideration;

### Delay by:-

- force majeure, or (a)
- reason of any exceptionally adverse weather conditions, or (b)
- reason of civil commotion, strike or lockout affecting any of the (c) trades employed upon the Supply of good or any of the trades engaged in the preparation, manufacture or transportation of any of the goods or materials required for the Supply of good, or
- reason of the Employer's Representative's instructions issued (d) under these Conditions, or
- reason of the contractor not having received in due time (e) necessary instructions, drawings, details or levels from the Employer's Representative for which he specifically applied in writing on a date which having regard to the date for Completion stated in the appendix to these Conditions or to any extension of time then fixed under this clause was neither unreasonably distant from nor unreasonably close to the date on which it was necessary for him to receive the same, or
- delay on the part of artists, tradesmen or others engaged by the (f)

- Employer in executing work not forming part of this Contract,
- reason of delay by statutory or other services providers or (g) similar bodies engaged directly by the Employer, or
- reason of opening up for inspection of any Work covered up or (h) of the testing or any of the Work, materials or goods in accordance with these conditions unless the inspection or test showed that the Work, materials or goods were not in accordance with this Contract, or
- reason of delay in appointing a replacement Employer's (i) Representative, or
- reason of delay caused by the late supply of goods or materials (i)or in executing Work for which the Employer or his agents are contractually obliged to supply or to execute as the case may be, or
- delay in receiving possession of or access to the Site. (k)

### 10 Management Meetings

- 10.1 A Contract management meeting shall be held regularly and attended by the Employer's Representative and the Contractor. shall be to review the plans for the remaining Work. The Employer's Representative shall record the business of management meetings and provide copies of the record to those attending the meeting and the Employer. The responsibility of the parties for actions to be taken shall be decided by the Employer's Representative either at the management meeting or after the management meeting and stated in writing to all who attend the meeting.
- 10.2 Communication between parties shall be effective only when in writing.

### 11 Defects

11.1 The Employer's Representative shall inspect the Contractor's work and notify the Contractor of any defects that are found. Such inspection shall not affect the Contractor's responsibilities. The Employer's Representative may instruct the Contractor to search for a defect and to uncover and test any Work that the Employer's Representative considers may have a defect. Should the defect be found, the cost of uncovering and making good shall be borne by the Contractor. However if there is no defect found, the cost of uncovering and making good shall be treated as a variation and added to the Contract Price.

- 11.2 The Employer's Representative shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which beginsat Completion, and is defined in the Appendix to Conditions of Contract.
- 11.3 Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified by the Employer's Representative's notice. If the Contractor has not corrected a defect within the time specified in the Employer's Representative's notice, the Employer's Representative will assess the cost of having the defect corrected by other parties and such cost shall be treated as a variation and be deducted from the Contract Price.

### 12 Bills of Quantities/Schedule of Rates

- 12.1 The Bills of Quantities/Schedule of Rates shall contain items for the construction, installation, testing and commissioning of the Work to be done by the Contractor. The Contractor will be paid for the quantity of the Work done at the rates in the Bills of Quantities/Schedule of Rates for each item. Items against which no rate is entered by the Tenderer will not be paid for when executed and shall be deemed covered by the rates for other items in the Bills of Quantities/Schedule of Rates.
- 12.2 Where Bills of Quantities do not form part of the Contract, the Contract Price shall be a lump sum (which shall be deemed to have been based on the rates in the Schedule of Rates forming part of the tender) and shall be subject to re-measurement after each stage.

### 13 Variations

- 13.1 The Contractor shall provide the Employer's Representative with a quotation for carrying out the variations when requested to do so. The Employer's Representative shall assess the quotation and shall obtain the necessary authority from the Employer before the variation is ordered.
- 13.2 If the Work in the variation corresponds with an item description in the Bill of Quantities/Schedule of Rates, the rate in the Bill of Ouantities/Schedule of Rates shall be used to calculate the value of the variation. If the nature of the Work in the variation does not correspond with items in the Bill of Quantities/Schedule of Rates, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.
- 13.3 If the Contractor's quotation is unreasonable, the Employer's Representative may order the variation and make a change to the

Contract Price, which based on shall be the Employer's Representative's own forecast of the effects of the variation on the Contractor's costs.

- 14 Payment Certificates and Final Account
  - 14.1 The Contractor shall be paid after each of the following stages of Work listed herebelow (subject to re-measurement by the Employer's Representative of the Work done in each stage before payment is made). In case of lump-sum Contracts, the valuation for each stage shall be based on the quantities so obtained in the re-measurement and the rates in the Schedule of Rates.
    - Advance payment (i) (percent of Contract Price, [after Contract execution] to be inserted by the Employer).
    - (ii) First stage (define stage)
    - (iii) Second stage (define stage)
    - Third stage (define stage) (iv)
    - After defects liability period. (v)
  - 14.2 Upon deciding that Supply of good included in a particular stage are complete, the Contractor shall submit to the Employer's Representative his application for payment. The Employer's Representative shall check, adjust if necessary and certify the amount to be paid to the Contractor within 21 days of receipt of the Contractor's application .The Employer shall pay the Contractor the amounts so certified within 30 days of the date of issue of each Interim Certificate.
  - 14.3 The Contractor shall supply the Employer's Representative with a detailed final account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer's Representative shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 30 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer's Representative shall issue within 21 days a schedule that states the scope of the corrections or additions that are necessary. If the final account is still unsatisfactory after it has been resubmitted, the Employer's Representative shall decide on the amount payable to the Contractor and issue a Final Payment Certificate. The Employer shall pay the Contractor the amount so certified within 60 days of the issue of the

Final Payment Certificate.

14.4 If the period laid down for payment to the Contractor upon each of the Employer's Representative's Certificate by the Employer has been exceeded, the Contractor shall be entitled to claim simple interest calculated pro-rata on the basis of the number of days delayed at the Central Bank of Kenya's average base lending rate prevailing on the first day the payment becomes overdue. The Contractor will be required to notify the Employer within 15 days of receipt of delayed payments of his intentions to claim interest.

#### 15. Insurance

15.1 The Contractor shall be responsible for and shall take out appropriate cover against, among other risks, personal injury; loss of or damage to the Supply of good, materials and plant; and loss of or damage to property.

#### 16. Liquidated Damages

16.1 The Contractor shall pay liquidated damages to the Employer at the rate 0.001 per cent of the Contract price per day for each day that the actual Completion Date is later than the Intended Completion Date except in the case of any of the occurrences listed under clause 9.2. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

#### 17. Completion and Taking Over

17.1 Upon deciding that the Work is complete the Contractor shall request the Employer's Representative to issue a Certificate of Completion of the Supply of good, upon deciding that the Work is completed.

The Employer shall take over the Site and the Supply of good within seven days of the Employer's Representative issuing a Certificate of Completion.

#### 18. Termination

- 18.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. These fundamental breaches of Contract shall include, but shall not be limited to, the following;
  - (a) the Contractor stops Work for 30 days continuously without Employer's reasonable cause or authority from the Representative;

- (b) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) a payment certified by the Employer's Representative is not paid by the Employer to the Contractor within 30 days after the expiry of the payment periods stated in sub clauses 14.2 and 14.3 hereinabove.
- (d) the Employer's Representative gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time.
- 18.2 If the Contract is terminated, the Contractor shall stop Work immediately, and leave the Site as soon as reasonably possible. The Employer's Representative shall immediately thereafter arrange for a meeting for the purpose of taking record of the Supply of good executed and materials, goods, equipment and temporary buildings on Site.

#### 19. Payment Upon Termination

- 19.1 The Employer may employ and pay other persons to carry out and complete the Supply of good and to rectify any defects and may enter upon the Supply of good and use all materials on Site, plant, equipment and temporary supply of good.
- 19.2 The Contractor shall, during the execution or after the completion of the Supply of good under this clause, remove from the Site as and when required within such reasonable time as the Employer's Representative may in writing specify, any temporary buildings, plant, machinery, appliances, goods or materials belonging to him, and in default thereof, the Employer may (without being responsible for any loss or damage) remove and sell any such property of the Contractor, holding the proceeds less all costs incurred to the credit of the Contractor.
- 19.3 Until after completion of the Supply of good under this clause, the Employer shall not be bound by any other provision of this Contract to make any payment to the Contractor, but upon such completion as aforesaid and the verification within a reasonable time of the accounts therefor the Employer's Representative shall certify the amount of expenses properly incurred by the Employer and, if such amount added to the money paid to the Contractor before such determination exceeds the total amount which would have been payable on due completion in accordance with this Contract, the difference shall be a debt payable to the Employer by the Contractor; and if the said amount added to the said money be less than the said total amount, the difference shall be a debt payable by the Employer to the Contractor.

#### 20. Corrupt Gifts and Payments of Commission

### 20.1 The Contractor shall not:

- (a) Offer or give or agree to give to any person in the service of the Employer any gifts or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract with the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract with the Employer.
- Any breach of this Condition by the Contractor or by anyone (b) employed by him or acting on his behalf (whether with or without the knowledge of the Contractor) shall be an offence under the Laws of Kenya.

#### 21. Settlement of Disputes

21.1 Any dispute arising out of the Contract which cannot be amicably settled between the parties shall be referred by either party to the arbitration and final decision of a person to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed by the chairman of the Chartered Institute of Arbitrators, Kenya branch, on the request of the applying party.

# **SECTION IV - APPENDIX TO CONDITIONS OF CONTRACT**

TI	н	-	-	M	ישו	LO	ıv	 <i>?</i>	IS
		_	_						_

Name: Address:	GOVERNOR - Mandera County Government P.O Box 13, MANDERA
Name of Autho Cell phone: E-mail:/Fax:	rized Representative: County Executive Committee Member – Lands
Name of Altern Cell phone: E-mail:/Fax:	native Representative: Chief Officer – Housing and urban development
The Project Ma Address: Cell phone:	nager is: Chief Officer , water – Mandera municipality P.O. BOX 13, MANDERA
The name (ar	nd identification number) of the Contract is: SUPPLY, DELIVERY, INSTALLATION AND SIONING OF ABEM TERRAMETER LS 2 ADVANCED 4/82 AND ACCESSORIES IN MANDERA
	onsist of: SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ABEM TERRAMETER LS 2 ADVANCED 4/82 AND ACCESSORIES IN MANDERA
The Start Date	shall be <b>AGREED WITH THE PROJECT MANAGER</b>
	completion Date for the whole of the Works shall be Sixteen (16) Weeks from the nt date as agreed with the Project Manager.
_	locuments also form part of the Contract:  LAUSE 2.3 OF CONDITIONS OF CONTRACT
The Contractor Acceptance.	shall submit a revised program for the Works within <b>SEVEN (7)</b> days of delivery of the Letter or
	sion Date shall be <b>AGREED WITH THE PROJECT MANAGER</b> bility period is 1 <b>80</b> days
The minimum i	nsurance covers shall be; "ALL RISKS INSURANCE"
The following e	vents shall also be Compensation Events:
2	LY AS LISTED IN CLAUSE 24 OF THE CONDITIONS OF CONTRACT
	ween Program updates is <b>15</b> days.

The amount to be withheld for late submission of an updated Program is FULL CERTIFICATE

The proportion of payments retained is **0%** percent.

The Price Adjustment Clause **SHALL NOT** apply

The liquidated damages for the whole of the Works is Kshs. 1,000.00 (per week)

The Performance Security shall be for the following minimum amounts equivalent as a percentage of the Contract Price 10 percent (%)

The Completion Period for the Works is Nine (16) Weeks

The rate of exchange for calculation of foreign currency payments is **not applicable** 

The schedule of basic rates used in pricing by the Contractor is as attached [Contractor to attach].

Advance Payment SHALL NOT be granted.

The Bidder should submit ONLY ONE (1 NO.) ORIGINAL AND A COPY of the Bills of Quantities as indicated in Clause 4.1 of the Instruction to Tenderers.

This Tender must be accompanied by a Bid Bond or else the tender shall be disqualified.

# **SECTION V- STANDARD FORM**

(i)	Form of Invitation for Tenders
(ii)	Form of Tender
(iii)	Letter of Acceptance
(iv)	Form of Agreement
(v)	Form of Tender Security
(vi)	Performance Bank Guarantee
(vii)	Bank Guarantee for Advance Payment
(viii)	Qualification Information
(ix)	Tender Questionnaire
(xi)	Confidential Business Questionnaire
(x)	Statement of Foreign Currency Requirement
(xi)	Details of Sub-Contractors
(x)	Request for Review Form

# FORM OF TENDER

TO:	MANDERA COUNTY GOVERNMI	ENT			_[Date]
TER	<i>REF:</i> SUPPLY, DELIVERY, INSTALI RRAMETER LS 2 ADVANCED 4/82 A /0T/005/2023-2024				ABEM
Dea	r Sir,				
1.	In accordance with the Condit Bills of Quantities for the executive undersigned offer to constrain and remedy any de Kshs	eution of the cuct, install a fects ther[Amount	above named and complete rein for	Supply such Su the	of good, we,
2.	We undertake, if our tender is ac soon as is reasonably possible a to commence, and to complete the Contract within the time star	after the recei the whole of	ipt of the Pro the Supply o	ject Man of good o	ager's notice comprised in
i	We agree to abide by this tender t shall remain binding upon us late.				•
t	Unless and until a formal Agree cogether with your written accepta between us.				
	We understand that you are not nay receive.	bound to acc	cept the lowe	st or any	tender you
	Dated this	day of	_20		
	Signaturein	the capacity	of		
	duly authorized to sign		[Name	of	Employer]
	of Witness; Name			Employe	rj
	Address				
	Signature				
	Date				

# LETTER OF ACCEPTANCE [letterhead paper of the Employer]

	[date]
To:	
	[name of the Contractor]
	[address of the Contractor]
Dear	· Sir,
for the shill	is to notify you that your Tender dated
	are hereby instructed to proceed with the execution of the said Supply of good ecordance with the Contract documents.
Auth	orized Signature
Nam	e and Title of Signatory
Atta	chment : Agreement

# FORM OF AGREEMENT

					day of		
			,KENYA (he	reinafter cal	whose registere lled "the Emplo 	oyer") of the	_
office	is situ	ated at]					ic registered
(here	inafter	called "1	the Contracto	or") of the ot	her part.		
SUPP: LS 2 A 2024 good" Empl and c the C	LY, DE ADVAN (name of ) locate oyer has complet ontrac	LIVERY CED 4/82 and iden ed at <b>Mo</b> as acception of so t Price o	, INSTALLATE 2 AND ACCES atification nur andera Coun ated the tende uch Supply of f Kshs	ION AND CO SORIES IN In the of Contacts of Place/local er submitted of good and the	ne Contractor e  OMMISSIONING  MANDERA MCO  tract ) (hereinal cation of the Su d by the Contra  the remedying  [Amo [Am	G OF ABEM G/OT/005/2 fter called "tapply of good actor for the of any defection in figure	2023- he Supply of dand the execution ets therein for es], Kenya
NOW	THIS A	AGREEN	MENT WITNE	SSETH as fo	ollows:		
1.	In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.						
2.		_	documents s part of this A		ned to form an e.	d shall be re	ead and
	(i)	Letter o	f Acceptance				
	(ii)	Form of	Tender				
	(iii)	Condition	ons of Contra	ict Part I			
	(iv)	Condition	ons of Contra	ict Part II ai	nd Appendix to	Conditions	of Contract
	(v)	Specific	ations				
	(vi)	Drawin	gs				
	(vii)	Priced I	Bills of Quant	tities			
3.	the C	Contract ants wit	or as hereina h the Employ	fter mention er to execu	e made by the I ned, the Contra te and complet nity in all respe	actor hereby te the Suppl	y of good and

the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Supply of good and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The common Seal of				
Was hereunto affixed in the presence of				
Signed Sealed, and Delivered by the said				
Binding Signature of Employer				
Binding Signature of Contractor				
In the presence of (i) Name				
Address				
Signature				
[ii] Name				
Address				
Signature				

### FORM OF TENDER SECURITY

subm	itted	his tender date	ed				
		(name of Co		••••••			
regist  Kshs. Emple sealed	oyer, d wit	PEOPLE by the office at	(hereina after called which payme itself, its su Seal of th	fter called "t l "the Emp nt well and t ccessors and	he Bank"), are boloyer") in the ruly to be made assigns by the	oound unto sum of to the said se presents	
1.		If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers  Or					
2.	If the tenderer, having been notified of the acceptance of his tender by Employer during the period of tender validity:					nder by the	
	(a) (b)	fails or refuses to Instructions to Te fails or refuses to the Instructions t	enderers, if re furnish the	equired; or Performance			
	his fi dema claim	ndertake to pay to irst written deman and, provided that led by him is due onditions, specifyi	nd, without in his demar to him, owir	the Employer nd the Employ ng to the occu	having to subster will note that arrence of one or	tantiate his the amount	
	This guarantee will remain in force up to and including thirty (30) days the period of tender validity, and any demand in respect thereof should the Bank not later than the said date.					, •	
		[date[		[signature of	the Bank]	-	
		[witness]		[seal]		_	

# PERFORMANCE BANK GUARANTEE

	(Name of Employer)(Date) (Address of Employer)
Dear Sir,	
	(hereinafter called "the Contractor") has ten, in pursuance of Contract No dated to execute (hereinafter called "the Supply of good");
Contracte sum spec	IEREAS it has been stipulated by you in the said Contract that the or shall furnish you with a Bank Guarantee by a recognised bank for the cified therein as security for compliance with his obligations in accordance Contract;
AND WH	EREAS we have agreed to give the Contractor such a Bank Guarantee:
you, on I Guarante (amount written d of Kenya aforesaid	EREFORE we hereby affirm that we are the Guarantor and responsible to behalf of the Contractor, up to a total of Kshs (amount of the infigures) Kenya Shillings of Guarantee in words), and we undertake to pay you, upon your first the mand and without cavil or argument, any sum or sums within the limits a Shillings (amount of Guarantee in words) as a without your needing to prove or to show grounds or reasons for your for the sum specified therein.
	by waive the necessity of your demanding the said debt from the Contractor esenting us with the demand.
Contract Contract any way	er agree that no change, addition or other modification of the terms of the or of the Supply of good to be performed thereunder or of any of the documents which may be made between you and the Contractor shall in release us from any liability under this Guarantee, and we hereby waive any change, addition, or modification.
This guar	rantee shall be valid until the date of issue of the Certificate of Completion.
SIC	GNATURE AND SEAL OF THE GUARANTOR
	Name of Bank
	Address
	Date

## BANK GUARANTEE FOR ADVANCE PAYMENT

To:	[name of Employer] [address of Employer]	(Date)
Gentlemen,		
Gentiemen,		
Ref:	[r	name of Contract]
mentioned Contract, We,_ of Contractor] (hereina	provisions of the Conditions  of the Contract  frame of Employer a b	
Kshs[amoun	performance under the said at of Guarantee [amount o	in figurers] Kenya
agree unconditionally and Surety merely, the payme first demand without what claim to the C	nk or financial institution], as a litrevocably to guarantee as nt to	primary obligator and not as[name of Employer] on his our part and without his first amount not exceeding
in words], such amount to from the proceeds of the C	b be reduced periodically by tl	
the Contract or of the Su Contract documents whice Employer and the Contra	change or addition to or other apply of good to be performed th may be made between actor, shall in any way release hereby waive notice of any	I thereunder or of any of the[name of e us from any liability under
	by you under this guarantee an advance payment of the ar rsuant to the Contract.	
advance payment under the	(name	the date of the of Employer) receives full
payment of the same amo	unt from the Contract.	
Yours faithfully,		

Signature	and Seal
Name of th	ne Bank or financial institution
Address _	
Date	
Witness:	Name:
	Address:
	Signature:
	Date:

## **CONFIDENTIAL BUSINESS QUESTIONNAIRE**

You are requested to give the particulars indicated in Part 1 and either Part 2 (a), 2 (b) or 2 (c) and 2 (d) whichever applies to your type of business.

You are advised that it is a serious offence to give false information on this Form.

Part 1 – General
Business Name
Location of business premises; Country/Town
Plot NoStreet/Road
Postal Address Tel No
Nature of Business
Current Trade Licence No Expiring date
Maximum value of business which you can handle at any time: K pound
Name of your bankers
Branch
Part 2 (a) – Sole Proprietor
Your name in full Age
Nationality Country of Origin
*Citizenship details
Part 2 (b) – Partnership
Give details of partners as follows:
Name in full Nationality Citizenship Details Shares 1
3

Attach proof of citizenship

## LETTER OF NOTIFICATION OF AWARD

	Address of Procuring Entity				
To:					
RE: Tender No					
Tender Name					
have been awarded to you.	act/s stated below under the above mentioned tender				
Please acknowledge rece acceptance.	eipt of this letter of notification signifying your				
•	shall be signed by the parties within 30 days of the ot earlier than 14 days from the date of the letter.				
3. You may contact the offi matter of this letter of no	icer(s) whose particulars appear below on the subject otification of award.				
(FULL PARTICULARS)					

SIGNED FOR ACCOUNTING OFFICER

## REPUBLIC OF KENYA

## PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NOOF20
BETWEEN
APPLICANT
AND
Request for review of the decision of the (Name of the Procuring Entity) of
dated theday of
REQUEST FOR REVIEW
I/We,the above named Applicant(s), of address: Physical
address
Procurement Administrative Review Board to review the whole/part of the above mentioned
decision on the following grounds, namely:-
1.
2.
etc.
By this memorandum, the Applicant requests the Board for an order/orders that: -
1.
2.
etc
SIGNED(Applicant)
Dated onday of/20
FOR OFFICIAL USE ONLY
Lodged with the Secretary Public Procurement Administrative Review Board on day
of20
SIGNED Board Secretary

## FORM OF POWER OF ATTORNEY

(All bidders shall complete this form otherwise, their bids shall be considered non-responsive)

We (Name of Bidder)			•)
having our offi authorise	ices located in	(Nan	me of Town and Building) duly
of the bide	ler) to act for and on our behalf on a	(Name of person app all matters pertaining to the exec ipulated under	pointed to act for and on behalf cution of supply of good as
	ELIVERY, INSTALLATION A NCED 4/82 AND ACCESSORI		F ABEM TERRAMETER
Duly signed an	nd delivered:		
Name of appoi	nted attorney:		_
Signature of ap	ppointed attorney:		
Witnessed by:			
1.	Name of First Company Director:		
	Signature:		
2.	Name of Second Company Direct	or:	_
	Signature:		
Compa	any Seal:		

# SECTION VI - SPECIFICATIONS, DRAWINGS & BILLS OF QUANTITIES

**SPECIFICATIONS** 

## **Notes for preparing Specifications**

- 1.0 Specifications must be drafted to present a clear and precise statement of the required standards of materials, and workmanship for tenderers to respond realistically and competitively to the requirements of the Employer and ensure responsiveness of tenders. The Specifications should require that all materials, plant, and other supplies to be permanently incorporated in the Supply of good be new, unused, of the most recent or current models, and incorporating all recent improvements in design and materials unless provided otherwise in the Contract. Where the Contractor is responsible for the design of any part of the permanent Supply of good, the extent of his obligations must be stated.
- 2.0 Specifications from previous similar projects are useful and may not be necessary to re-write specifications for every Supply of good Contract.
- 3.0 There are considerable advantages in standardizing **General Specifications** for repetitive Supply of good in recognized public sectors, such as highways, urban housing, irrigation and water supply. The General Specifications should cover all classes of workmanship, materials and equipment commonly involved in constructions, although not necessarily to be used in a particular supply of Deletions or addenda should then adapt the General good contract. Specifications to the particular Supply of good.
- 4.0 Care must be taken in drafting Specifications to ensure they are not In the Specifications of standards for materials, plant and restrictive. workmanship, existing Kenya Standards should be used as much as possible, otherwise recognized international standards may also be used.
- 5.0 The Employer should decide whether technical solutions to specified parts of the Supply of good are to be permitted. Alternatives are appropriate in cases where obvious (and potentially less costly) alternatives are possible to the technical solutions indicated in tender documents for certain elements of the Supply of good, taking into consideration the comparative specialized advantage of potential tenderers.

The Employer should provide a description of the selected parts of the Supply of good with appropriate reference to Drawings, Specifications, Bills of Quantities, and Design or Performance criteria, stating that the alternative solutions shall be at least structurally and functionally equivalent to the basic design parameters and Specifications.

Such alternative solutions shall be accompanied by all information necessary for a complete evaluation by the Employer, including drawings, calculations, technical specifications, breakdown of prices, proposed construction methodology, and other relevant details. Technical alternatives permitted in this manner shall be considered by the Employer each on its own merits and independently of whether the tenderer has priced the item as described in the Employer's design included with the tender documents.

## **BILL OF QUANTITIES**

## **ABEM Terrameter LS 2** RESISTIVITY AND IP IMAGING

## **Re-defining greatness**

In 2009 the ABEM Terrameter LS was launched, introducing features previously never seen in commercial resistivity meters. The new generation – ABEM Terrameter LS 2 pushes the boundaries even further.

Resistivity/IP surveying is a versatile geophysical method suitable for a broad range of applications and environments such as groundwater prospecting, mineral exploration, geological mapping and geotechnical investigations. System design can vary depending on the application.

ABEM Terrameter LS 2 is available in many different configurations to perfectly match your requirements.

ABEM Terrameter LS 2 introduces a unique software licensing system, making it scalable and easy to upgrade. Every instrument comes preinstalled with all hardware modules and software features, but depending on product

package not all need be activated. Product packages range from basic to advanced. Upgrades are made by downloading a license code from the internet or USB. Future development will include timelimited licenses, making it possible to rent upgrades.

ABEM Terrameter LS 2 is a standalone solution featuring built-in measurement channels, high power current transmitter, electrode selector, computer and graphical user interface. Surveying techniques range from 1D to 4D measurements. The robust and rugged aluminum casing meets IEC IP66 classification and allows for use in the harshest of conditions.

The measurement channels have a new filter design for improved IP performance. Using a new measurement mode for IP (100 % duty cycle), data collection will be twice as fast and have twice the signal to noise ratio compared to the conventional IP method (50 % duty cycle) using the same settings. Utilizing new technology alongside upcoming features in the Workbench processing package from Aarhus GeoSoftware, it will be possible to extract spectral information from time-domain IP data. Geological mapping Geotechnical pre-investigation Groundwater prospecting Mineral exploration Mapping and monitoring of contamination

Geothermal prospecting

Sub-bottom mapping of marine environments

Monitoring of permafrost Archaeology

### **ABEM Terrameter LS 2**

ABEM Terrameter LS 2 offers up to 12 measurement channels for greater efficiency and productivity in the field. The built-in electrode selector allows for connection of up to 81 electrodes, providing high resolution and impressive depth capabilities. With the use of external electrode selectors over 16 000 electrodes can be connected.

Guideline Geo offers a wide range of land, marine and borehole cables.

The built-in field computer in the ABEM Terrameter LS 2 offers increased computing power, an easy to use graphical user interface and connectivity such as USB, Ethernet, Wi-Fi and 3G. The internal GPS supports GLONASS, which improves positioning accuracy. Data is stored on a removable 16 GB microSD memory card, with a capacity of millions of data readings.

Remote connectivity can allow the ABEM support team to assist with software upgrades, give support or troubleshoot if necessary. This unique feature ensures that the system is always up to date, operating correctly, with the risk of downtime kept to an absolute minimum.

## **Features**

Up to 12 measurement channels Unique design of measurement channels and high power current transmitter IP measurements with 100 % duty cycle 1D, 2D, 3D and 4D measurements IEC IP 66 classification Wi-Fi and 3G connectivity Software licensing system

## **Advantages**

Optimized for productivity, minimizing field time Outstanding quality of data even in the toughest conditions Measure IP faster and with better quality Basic or advanced measurements, no limitations Rugged and robust – measure anywhere, anytime Remote connectivity allows assistance onsite Scaleable and easy to upgrade

### ABEM Terrameter LS 2

### **Designed for efficiency**

ABEM Terrameter LS 2 continues its great heritage of adding advanced and useful features to resistivity meters. The graphical user-interface makes it easy to use and the entire user experience is streamlined for productivity. During measurement, the system gives continuous information of data quality, showing results directly on screen. Multichannel arrays, such as the Multiple Gradient, ensure measurement tasks can be completed quickly.

The commitment to data quality and productivity does not stop with the instrument, ABEM software can be used for instrument maintenance, simplifying downloading and processing of data before inversion. After the inversion, visualization tools can be used to make the inversed data more presentable and ready for use in a report. With the new software licensing system the ABEM Terrameter LS 2 is scalable and future-proof, ensuring a return of investment no matter if starting with a basic or advanced system.

ITEM	SPECIFICATION/DESCRIPTIONS	UNIT	QTY	RATE	AMOUNT(KSHS)
1	Terrameter LS2 Advanced 4/81	Item	1		
1.1	Imaging cable with 21 take-outs, 10 m spacing	No	4		
1.2	Wooden box 55x51x58cm	No	4		
1.3	Steel electrode	No	90		
2.0	Cable-to-electrode jumper	No	90		
2.1	Cable joint for 21 take-out cables	No	2		
2.2	Res2Dinv 2D inversion software	LS	1		
2.3	Inspection in factory	LS	1		
3.0	Freight to Nairobi International Airport	LS	1		
3.1	Insurance during flight	LC	1		
3.2	Duties, IDF and Clearance	LC	1		
4.0	Freight to mandera	LC	1		
4.1	Testing and Programming	DAY	1		
4.2	Training	DAYS	5		
	SUB-TOTAL	KSHS			
	Add 16% VAT	KSHS			
	GRAND TOTAL FOR ABEM TERRAMETER LS 2 (inclusive of V.A.T)	KSHS			

In words Kenya Shilli	ngs	 	
Contractor:			