



COUNTY GOVERNMENT OF LAMU DEPARTMENT OF WATER MANAGEMENT AND CONSERVATION

TENDER DOCUMENT

FOR CONSTRUCTION OF MANDA MAWENI WATER SUPPLY PROJECT

TENDER NO. CGL/TND/WATER/035/2020-2021 (NEGOTIATION NUMBER: 866441)

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SECTION I

INVITATION FOR TENDERS;

Tender Reference No. TENDER No. CGL/TND/WATER/035/2020-2021

Tender Name: CONSTRUCTION OF MANDA – MAWENI WATER SUPPLY PROJECT.

County government of Lamu invites sealed tenders for;

FOR CONSTRUCTION OF MANDA - MAWENI WATER SUPPLY PROJECT.

Interested eligible candidates may obtain further information and inspect the tender documents at Supply Chain Management office at the County Treasury located in Lamu during normal working hours or visit Lamu County Government website **http://www.lamu.go.ke**.

A complete set of tender documents shall be made available on the Lamu County Government website: <u>http://www.lamu.go.ke</u>.

Prices quoted should be net inclusive of all taxes, must be in Kenya shillings and shall remain valid for 120 days from the closing date of tender.

Completed tender documents are to be addressed to (COUNTY GOVERNMENT OF LAMU P.O BOX 74- 80500, LAMU and should be submitted electronically through IFMIS supplier portal at <u>supplier.treasury.go.ke</u> so as to be received on or before Thursday 29th April, 2021 at 11.00 a.m.

Tenders will be opened immediately thereafter in the presence of the candidates or their representatives who choose to attend at County Government of Lamu Board Room, Mokowe.

For (Accounting Officer/County Government of Lamu)

SECTION II INSTRUCTIONS TO TENDERERS

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INSTRUCTIONS TO TENDERERS.

General

The Employer as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The successful Tenderer will be expected to complete the Works by the Intended Completion Date specified in the said Appendix.

Tenderers shall include the following information and documents with their tenders, unless otherwise stated:

Principal place of business;

experience in works of a similar nature and size for each of the last 3 years, and clients who may be contacted for further information on these contracts;

major items of construction equipment owned;

qualifications and experience of twokey site technical personnel proposed for the Contract;

Authority to seek references from the Tenderer's bankers.

Audited Financial Accounts for the last two years:

Certified Copy of Certificate of Incorporation/Registration.

Certified Copy of Current Tax Compliance certificate from KenyaRevenue Authority.

Certified Copy of Valid and current Business Permit.

Disclosure of business ownership (Directors/ Partners /Sole Proprietor). Attach a copy of CR12 Form

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.

The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Tenderer's own expense.

The procurement entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.

Tender Documents

The complete set of tender documents comprises the documents listed here below and any addenda issued in accordance with clause 2.4 here below:-

These instructions to Tenderers Form of Tender Conditions of Contract and Appendix to Conditions of Contract Specifications Drawings Bills of Quantities/Schedule of Rates (whichever is applicable) Other materials required to be filled and submitted in accordance with these Instructions and Conditions 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.

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.

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.

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 here below.

Preparation of Tenders

All documents relating to the tender and any correspondence shall be in English Language.

The tender submitted by the Tenderer shall comprise the following :-The Tender;

Tender Security;

Priced Bill of Quantities/Schedule of Rates for lump-sum Contracts

Any other materials required to be completed and submitted by Tenderers.

The Tenderer shall fill in rates and prices for all items of the Works 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.

The rates and prices quoted by the Tenderer shall not be subject to any adjustment during the performance of the Contract.

The unit rates and prices shall be in Kenya Shillings.

Tenders shall remain valid for a period of ninety (90) 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.

The Tenderer shall prepare one original of the documents comprising the tender documents as described in these Instructions to Tenderers.

The original shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized 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.

Clarification of tenders shall be requested by the tenderer to be received by the County Government of Lamu not later than 7 days prior to the deadline for submission of tenders.

The County Government of Lamu 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.

Submission of Tenders

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;

bear the name and identification number of the Contract as defined in the invitation to tender; and

provide a warning not to open before the specified time and date for tender opening. (d) be submitted in both original and copy.

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.

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.

Any tender received after the deadline for opening tenders will be returned to the tenderer un- opened.

The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with subclause 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.

Tender Opening and Evaluation

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.

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.

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 decisions may result in the rejection of his tender.

There will be no correction of errors.

The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.

Contract price variations shall not be allowed for contracts not exceeding one year (12 months)

Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.

Price variation requests shall be processed by the County Government of Lamu within 30 days of receiving the request.

Preference where allowed in the evaluation of tenders shall not exceed 15%

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.

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.

Award of Contract

The award of the Contract will be made to the Tenderer who has scored the highest combined scores. 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.

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 Works 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.

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.

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.

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.

The County Government of Lamu may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.

The County Government of Lamu shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 day of receiving the request from any tenderer.

Terms of Payment.

The County Government of Lamu shall not pay any advance payment on this works. Payments will be based on work done.

Corrupt and fraudulent practices

The County Government of Lamu requires that the tenderer observes the highest 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 County Government of Lamu will reject a tender if it determines that the tenderer recommended for award has engaged in corrupt and fraudulent practices in competing for the contract in question.

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

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 TO	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO
TENDERERS	TENDERS
REFERENCE	
1.1	This Invitation for Tenders is open to all tenderers eligible as
	described below:
	the person has the legal capacity to enter into a contract for
	procurement or asset disposal;
	the person is not insolvent, in receivership, bankrupt or in the
	process of being wound up;
	the person, if a member of a regulated profession, has satisfied
	all the professional requirements;

Certified Copy of Certificate of Incorporation/Registration. Certified Copy of Current Tax Compliance certificate from Kenya Revenue Authority. KRA Pin Certificate. Certified Copy of Valid and current Business Permit. Disclosure of business ownership (Directors/ Partners/Sole Proprietor). Attach a copy of CR12 Form 1.3 The tender security shall be 2% of the tender amount from a reputable bank or insurance companies approved by PPRA and submitted in any of the following forms: Cash A bank guarantee Such insurance guarantee approved by the Authority Letter of credit. 1.5 Tenders will close on 29 th April, 2021 at 11:00 a.m. 1.6 No advance payment acceptable for this tender 1.7 The inquiry address is hereby given as Lamu County Government, PO BOX 74- 80500 Lamu. Only written inquiries are accepted 1.8 Documentary evidence for those submitting tenders for this works shall comprise of; Drawings Equipment Data Sheet Performance charts, CVs for 4 key site management and technical persons Work plan/schedule 1.9 Tenders 'validity shall be 1	1.2	 contract with the person under section 38 of PPAD Act (MUST complete the attached form); the person and his or her sub-contractor, if any, is not debarred from participating in procurement proceedings under Part XI of PPAD Act (MUST complete the attached form); the person has fulfilled tax obligations; the person has not been convicted of corrupt or fraudulent practices; and is not guilty of any serious violation of fair employment laws and practices.
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с <u>і</u> с	1.10	Tenders shall be submitted in the IFMIS Suppliers portal and
	1.11	Price offers as read during Tender Opening shall be evaluated as

1.12	Post-qualification shall not be done.
1.13	Qualification criteria has been detailed further in Section VII of
	this Tender Document (Evaluation Criteria)

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SECTION III - CONDITIONS OF CONTRACT

Definitions

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

"Bills of Quantities" means the priced and completed Bill of Quantities 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 Works 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 Works 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 Works 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 Works.

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

"Site" means the place or places where the permanent Works are to be carried out including workshops where the same is being prepared.

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

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

"Specification" means the Specification of the Works included in the Contract.

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

" 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 works" are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

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

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

Contract Documents

The following documents shall constitute the Contract documents and shall be interpreted in the following order of priority;

Agreement, Letter of Acceptance, Contractor's Tender, Conditions of Contract, Specifications, Drawings, Bills of Quantities or Schedule of Rates [whichever is applicable)

Employer's Representative's Decisions

Except where otherwise specifically stated, the Employer's Representative will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

Works, Language and Law of Contract

The Contractor shall construct and install the Works in accordance with the Contract documents. The Works 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.

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.

Safety, Temporary works and Discoveries

The Contractor shall be responsible for design of temporary works and shall obtain approval of third parties to the design of the temporary works where required.

The Contractor shall be responsible for the safety of all activities on the Site.

Any thing of historical or other interest or significant value 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.

Work Program and Sub-contracting

Within seven days after Site possession date, the Contractor shall submit to the Employer's Representative for approval a program showing the general methods, arrangements, order and timing for all the activities in the Works.

The Contractor may sub-contract the Works (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. Sub-contracting shall not alter the Contractor's obligations.

The site

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

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

Extension of Completion Date

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.

For the purposes of this clause, the following occurrences shall be valid for consideration; Delay by:force majeure, or

reason of any exceptionally adverse weather conditions, or

reason of civil commotion, strike or lockout affecting any of the trades employed upon the Works or any of the trades engaged in the preparation, manufacture or transportation of any of the goods or materials required for the Works, or

reason of the Employer's Representative's instructions issued under these Conditions, or

reason of the contractor not having received in due time 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 Employer in executing work not forming part of this Contract, or

reason of delay by statutory or other services providers or similar bodies engaged directly by the Employer, or

reason of opening up for inspection of any Work covered up or 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 Representative, or

reason of delay caused by the late supply of goods or materials 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.

Management Meetings

A Contract management meeting shall be held regularly and attended by the Employer's Representative and the Contractor. Its business 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.

Communication between parties shall be effective only when in writing.

Defects

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.

The Employer's Representative shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the Appendix to Conditions of Contract.

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.

Bills of Quantities/Schedule of Rates

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.

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.

Variations

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.

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 Quantities/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.

If the Contractor's quotation is unreasonable, the Employer's Representative may order the variation and make a change to the Contract Price, which shall be based on the Employer's Representative's own forecast of the effects of the variation on the Contractor's costs.

Payment Certificates and Final Account

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 _____ (percent of Contract Price, [after Contract execution]

to be inserted by the Employer).

First stage (*define stage*)

Second stage (*define stage*)___

Third stage (*define stage*)

After defects liability period.

Upon deciding that Works 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.

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.

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.

Insurance

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

Liquidated Damages

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.

Completion and Taking Over

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

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

Termination

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;

the Contractor stops Work for 30 days continuously without reasonable cause or authority from the Employer's Representative;

the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

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.

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.

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 Works executed and materials, goods, equipment and temporary buildings on Site.

Payment Upon Termination

The Employer may employ and pay other persons to carry out and complete the Works and to rectify any defects and may enter upon the Works and use all materials on Site, plant, equipment and temporary works.

The Contractor shall, during the execution or after the completion of the Works 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.

Until after completion of the Works 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.

Corrupt Gifts and Payments of Commission

The Contractor shall not;

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 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.

Settlement of Disputes

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.

	MANDATORY REQUIREMENTS	POINTS
1.	Particulars of the Tendering Company.	Mandatory
	 a) Certified copies of statutory documents as follows: - Certificate of incorporation/registration. Current Tax Compliance certificate. KRA Pin certificate. Valid NCA certificate category 4 and Above for Water works. Valid and current trade/ Business license. Serialized Tender Document and attached documents. Completed confidential business questionnaire and declaration form duly filled, signed and stamped. Disclosure of business ownership (Directors/ Partners /Sole Proprietor). Attach a copy Business CR 12 Form. Bidder to provide self-declaration that the person/tenderer is not debarred in the matter of the public procurement and asset disposal act 2015(As per section 62 of PPDA 2015). Bidder to provide self-declaration that the person/tenderer will not engage in any corrupt or fraudulent practice. Form of tender duly filled, signed and stamped. Provide Tender security which shall be 2% of the tender amount from a reputable bank or insurance companies approved by PPRA and shall be valid for 120 days from the 	
	closing date of the tender. TECHNICAL/GENERAL REQUIREMENTS	
2	Provide Details of; Company Profile (State whether joint or not). (5 Points) Contact person(s). (2 Points) Physical Address/Location. (3 Points)	10
3	 Evidence of adequacy of working capital for this Contract Access to line(s) of credit. (3 Points) Indicate appointed bankers showing the name, address, contact person and address of bidder's bankers. (2 Points) Letter of authority from the bidder authorizing the County Government of Lamu to seek reference from the bidder's bankers. (3 Points) Bank statements for the last twelve months. (2 Points) 	10
4	Details of experience and past performance on at least two (2) project of a similar nature within the last 3 years (2017-2020), details to include current contractors, names of clients/firms, clear physical address and contact persons. (Attach award letters, Local Purchase/ Service Orders, Signed contracts and completion certificates as	26

	TOTAL	80
9	Attach Audited Financial Accounts for the last two years. (2018-2020) (6 marks)	6
8	Information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount if any. (5 points)	5
7	Qualifications and experience of four key site management and technical personnel proposed to undertake this work. <i>Attach the CVs</i> <i>and Certificates of qualifications for the key staff</i> (8 points)	8
-	the proposed work; i.e. Method and schedule (2 marks). The drawings (2 marks). The charts, as necessary (2 marks).	-
5	 Documentary evidence for those submitting tenders for this works shall comprise of; Performance charts, (2 marks) Work plan/schedule (2 marks) c) List of equipment and state if the equipment is owned or leased and attach supporting evidence. (5 Points). Bidder to provide a preliminary description of 	9
	evidence/proof of contract) Name of the project of similar nature – (@ 5 point * 2 = 10 Points) Address of Project – (@ 1 point *2 = 2 Points) Contact persons – (@ 1 point * 2 = 2 Point) The Project Value- (@ 1 Points * 2= 2 Point) Proof of Such Contracts (Attach award letters/LPOs /LSOs/Signed Contracts and completion certificate. (10 Points)	

All information provided may be subject to confirmation by COUNTY GOVERNMENT OF LAMU providing false information will lead to disqualification. **NOTE:** Only tenders that score 60% out of 80% on technical evaluation will qualify to have their proposals for financials evaluated. Those scoring below 60% will be disqualified at this stage. **Award will be given to the bidder with the lowest quoted Amount.**

SECTION V STANDARD FORMS

List of Standard Forms	
------------------------	--

- Form of Invitation for Tenders
- Form of Tender
- Letter of Acceptance
- Form of Agreement
- Form of Tender Security
- **Performance Bank Guarantee**
- **Performance Bond**
- **Bank Guarantee for Advance Payment**
- **Qualification Information**
- **Tender Questionnaire**
- **Confidential Business Questionnaire**
- (xi) Details of Sub-Contractors
- (xiii) Request for Review Form

FORM OF INVITATION FOR TENDERS

	[date]
To:	[address]
Dear Sirs:	
Reference:	[Contract Name]
You have been prequalified to tender for the above p	project.
We hereby invite you and other prequalified tendere above Contract.	rs to submit a tender for the execution and completion of the
A complete set of tender documents may be purchas	ed by you from
[mailing address, cable/telex/facsimile numbers].	
Upon payment of a non-refundable fee of Kshs	
All tenders must be accompanied by	number of copies of the same and a tender security cuments, and must be delivered to
[address and location]	
at or before(<i>time</i> the presence of tenderers' representatives who choose	<i>e and date</i>). Tenders will be opened immediately thereafter, in se to attend.
Please confirm receipt of this letter immediately in v	vriting by cable/facsimile or telex. Yours
faithfully,	
	_Authorized Signature
	Name and Title

FORM OF TENDER

/N	lame of Employer)	[Date]
	· · · ·	

[Name of Contract]

Dear Sir,

TO:

In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities/Schedule of Rates for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of Kshs. [Amount in]

figures/Kenya Shillings_

[Amount in words]

We undertake, if our tender is accepted, to commence the Works as

soon as is reasonably possible after the receipt of the Employer's Representative's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Conditions of Contract.

We agree to abide by this tender until *[Insert date]*, and it shall remain binding upon us and may be accepted at any time before that date.

Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this			day of_	20			-		
Signature			in the capa	city of					
duly	authorized	to	sign	tenders <u>[Name</u>	e	and of	on T	behalf [enderer]	of of
Witness; Name			<u>[</u> Ada	lress of Tend	erer]				
Address									
Signature and Stamp _									
Date						_			
(Amond accordingly if	nowidad by Inc	unan oo l	Company						

(Amend accordingly if provided by Insurance Company)

LETTER OF ACCEPTANCE [Letterhead paper of the Employer]

	[date]	
To: [name of the Contractor]		
[address of the Contractor]		
Dear Sir,		
for the execution of [name of the Contract and identification Kshs.	ted number, as given in the Tender documents] fo [amount (amount in words)] in accordance	<i>in figures]</i> [Kenya
You are hereby instructed to proceed wit	h the execution of the said Works in accordan	ce with the Contract documents.
Authorized Signature		
Name and Title of Signatory		
Attachment : Agreement		

FORM OF AGREEMENT

THIS AGREEMENT, made the	day	of	20
between	of[or w	hose regi	stered office is situated
at]			
(hereinafter called "the Employer") of the one part AND			
	of[or	whose	registered office i
situated at]			
(hereinafter called "the Contractor") of the other part.			
WHEREAS THE Employer is desirous that the Contractor executes	8		
(name and identification number of Contract) (hereinafter called "t	the Works") lo	cated	
at [Place/location of th	he Works]and	the Emp	loyer has accepted th
tender submitted by the Contractor for the execution and completion	of such Works	and the r	emedying of any defect
therein for the Contract Price of Kshs	[Amount i	n figures]	,Kenya Shillings
[Amount in words].			

NOW THIS AGREEMENT WITNESSETH as follows:

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.

The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.

Letter of Acceptance

Form of Tender

Conditions of Contract Part I

Conditions of Contract Part II and Appendix to Conditions of Contract

Specifications

Drawings

Priced Bills of Quantities/Priced Schedule of Rates[whichever is applicable]

In consideration of the payments to be made by the Employer

the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works 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

THE CONDITIONS of this obligation are:

If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers

Or

If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:

fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required; or

fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the said date.

[Date [

[signature of the Bank]

[Witness]

[Seal]

PERFORMANCE BANK GUARANTEE

То:	(Name of Employer)	(Date)
	(Address of Employer)	

Dear Sir,

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the					
Contractor, up to a total of Kshs	_(amount of Guarantee in figures) Kenya				
Shillings	_(amount of Guarantee in words), and we				
undertake to pay you, upon your first written demand and withou	t civil or argument, any sum or sums within the				
limits of Kenya Shillings	_(amount of Guarantee in words) as aforesaid				
without your needing to prove or to show grounds or reasons for your demand for the sumspecified therein.					

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change, addition or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any change, addition, or modification.

This guarantee shall be valid until the date of issue of the Certificate of Completion.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank

Address

Date _____

(Amend accordingly if provided by Insurance Company)

PERFORMANCE BOND

By this Bond, We					of (o	or whose 1	registere	d office i	is situated at]	
as Prir	ncipal (herein	nafter called "the	Contractor")		-	1	· ,	1 66	. .	· · · · · · · · · · · · · · · · · · ·
				of[or	whose	registere	d off	ice is	situated at]
as Sur	ety (hereinat	fter called "the Su	rety"), are h	eld and firm	nly bo	und unto)			
									of[o	r whose
registe at]	ered		offic	ce			is			situated
as	Obligee	(hereinafter	called	"the _[<i>amount</i>	Emplo of	oyer") <i>Bon</i>	in d in	the <i>figur</i>	amount es]Kenya	of Kshs. Shillings
		<i>n words]</i> , for the peirs, executors, ad								
WHE	REAS the Co	ontractor has enter	ed into a Co	ontract with	the Ei	nployer	dated the			day
of		20)			for		the	exect	ition of

[name of Contract] in accordance with the Contract documents, Specifications and amendments thereto, which to the extent herein provided for, are by reference made part hereof and are hereinafter referred to as the Contract.

NOW THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, in default under the Contract, the Employer having performed the Employer's obligations thereunder, the Surety may promptly remedy the default, or shall promptly:

complete the Contract in accordance with its terms and conditions; or

obtain a tender or tenders from qualified tenderers for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive tenderer, arrange for a Contract between such tenderer and Employer and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof.

The term "Balance of the Contract Price", as used in this paragraph, shall mean the total amount payable by the Employer to the Contractor under the

Contract, less the amount properly paid by the Employer to the Contractor; or

pay the Employer the amount required by the Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.

The Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of one year from the date of issuance of the Certificate of Completion.

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors and assigns of the Employer.

In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this day of 20

SIGNED ON	SIGNED ON
On behalf of	On behalf of [name of Surety]
By	By
In the capacity of	In the capacity of
In the presence of;Name	In the presence of;Name
Address_	Address
-	
Signature	Signature
Date	Date

BANK GUARANTEE FOR ADVANCE PAYMENT

To:	[name of Employer]	(Date)
	[address of Employer]	

Gentlemen,

Ref:

[name of Contract]

In accordance with the provisions of the Conditions of Contract of the above-mentioned Contract, We, [name and Address of Contractor] (hereinafter called "the Contractor") shall deposit with_ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Contract in an amount of Kshs. [amount of Guarantee in figurers] Kenya Shillings [amount of Guarantee in words]. [bank or financial institution], as instructed by the Contractor, agree unconditionally We,___ and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to

[name of Employer] on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding Kshs______ [amount of Guarantee in figures] Kenya Shillings [amount of Guarantee inwords],

such amount to be reduced periodically by the amounts recovered by you from the proceeds of the Contract.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between

[name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

No drawing may be made by you under this guarantee until we have received notice in writing from you that an advance payment of the amount listed above has been paid to the Contractor pursuant to the Contract.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until

	(<i>name of Employer</i>) receives full payment of the
same amount from the Contract.	

same	amount	nom	unc	COL

Yours faithfully,

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

QUALIFICATION INFORMATION

Individual Tenderers or Individual Members of Joint Ventures

Constitution or legal status of tenderer (attach copy or Incorporation Certificate); Place of registration:

Principal place of business

Power of attorney of signatory of tender _____

Total annual volume of construction work performed in the last five years

Year		Volume		
	Currency	Value		

Work performed as Main Contractor on works of a similar nature and volume over the last five years. Also list details of work under way or committed, including expected completion date.

Project name	Name of clientType and contact person year		ontract	
		_		
+	· · · · · · · · · · · · · · · · · · ·			

1.4 Major items of Contractor's Equipment proposed for carrying out the Works. List all information requested below.

Item of Equipment	Make and age	good, poor) and number available	Owned, leased (from whom?), or to be purchased (from whom?)
(etc			

Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data.

Position	Years of experience (general)	Years of experience in proposed position
Project Manager		

_____ _

(etc.)		

Financial reports for the last five years: balance sheets, profit and loss statements, auditor's reports, etc. List below and attach copies.

Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List below and attach copies of supportive documents.

Name, address and telephone, telex and facsimile numbers of banks that may provide reference if contacted by the Employer.

Statement of compliance with the requirements of Clause 1.2 of the Instructions to Tenderers.

Proposed program (work method and schedule) for the whole of the Works.

2 Joint Ventures

The information listed in 1.1 - 2.0 above shall be provided for each partner of the joint venture.

The information required in 1.11 above shall be provided for the joint venture.

Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture

Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:

all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;

one of the partners will be nominated as being in charge, authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture; and

the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

TENDER QUESTIONNAIRE

Please fill in block letters.	
Full names of tenderer;	
Full address of tenderer to which tender correspondence is to below);	
Telephone number (s) of tenderer;	
Telex of tenderer;	
Name of tenderer's representative to be contacted on matters	
Details of tenderer's nominated agent (if any) to receive tend not have his registered address in Kenya (name, address, tele	
Signature of Tenderer	
Make copy and deliver to:	(Name of Employer)

CONFIDENTIAL BUSINESS QUESTIONNAIRE

You are requested to give the particulars indicated in Part 1 and either Part 2 (a), 2 (b) or 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 No	Street/Road
Postal Address	Tel No
Nature of Business	
Current Trade Licence No	Expiring date
Maximum value of business which you can pound	handle at any time: K.
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
2		•••••••••••••••••••••••••••••••••••••••		
3				
Na	me	D	ate	.Sign/Company Seal

DETAILS OF SUB-CONTRACTORS

If the Tenderer wishes to sublet any portions of the Works must give below details of the sub-contractors he intends t	
Failure to comply with this requirement may invalidate the	e tender.
Portion of Works to be sublet:	
[i) Full name of Sub-contractor and address of head office:	
(ii) Sub-contractor's experience of similar works carried out in the last 3 years with Contract value:	
Portion of Works to sublet:	
Full name of sub-contractor and address of head office:	
Sub-contractor's experience of similar works carried out	
in the last 3 years with contract value:	

[Signature of Tenderer]

Date

LETTER OF NOTIFICATION OF AWARD

Employers address

То:_____

RE: Tender No.

Tender Name_____

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

Please acknowledge receipt of this letter of notification signifying your acceptance.

The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.

You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

(FULL PARTICULARS)

SIGNED FOR ACCOUNTING OFFICER

REPUBLIC OF KENYA

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NO.....OF......20....

BETWEEN

.....APPLICANT

AND

Request for review of the decision of the
of
REQUEST FOR REVIEW
I/WeFax
NoTel. NoEmail, hereby request the Public 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
FOR OFFICIAL USE ONLY
Lodged with the Secretary Public Procurement Administrative Review Board on day of

......20......

SIGNED

Board Secretary

SECTION VI – SPECIFICATIONS, DRAWINGS AND BILLS OF QUANTITIES/SCHEDULE OF RATES

SPECIFICATIONS

DRAWINGS

BILL OF QUANTITIES/SCHEDULE OF RATES

MANDA MAWENI WATER SUPPLY PROJECT

BILL OF QUANTITIES FOR THE CONSTRUCTION OF 9.45KM PIPELINE, ELEVATED 24M HIGH 50M3 TANK, 50M3 SUMPTANK, 0.12KM FENCING SOLAR PUMPING SET AND SECURITY HOUSE

SHELA, MANDA MAWENI, AIRPORT TO SECONDARY WATER SUPPLY							
BILL (A): CONSTRUCTION OF 9.45 KM PIPELINE AND ANCILLARIES ITEM RATE AMOUNT							
No.	DESCRIPTION	UNIT	QTY.	RATE (Kshs.)	AMOUNT (Kshs.)		
	All Provisional				-		
	All Prices Are Inclusive of VAT						
.1	EXCAVATION AND EARTHWORKS						
1.1.1	<u>Clearing of pipeline route</u> Clear pipeline route of bushes, undergrowth, trees, debris and rubbish and dispose. Width of clearance to be 2.0m to accommodate for access road and trench and excavation of materials.	SM	15,500				
	Trench Excavation						
1.1.2	Excavation of trench for 110 mm HDPE pipe,depth not less than 1,000 mm	LM	589				
1.1.3	Excavation of trench for 90 mm HDPE pipe,depth not less than 1,000 mm	LM	6,730				
1.1.4	Excavation of trench for 63 mm PVC pipe, depth not less than 1,000 mm	LM	130				
1.1.5	Excavation of trench for 32 mm PVC pipe, depth not less than 1,000 mm	LM	216				
.1.6	Excavation of trench for 20 mm PPR pipe, depth not less than 1,000 mm	LM	16				
.1.7	Laying and jointing of pvc pipes. Distribute, lay and joint DN 110 mm diameter HDPE pipes in trench including making provisions for appurtenances and pipe, fittings asper specifications.	LM	589				
.1.8	Ditto but DN90mm HDPE	LM	8,380				
.1.9	Ditto but DN63mm PVC	LM	130				
.1.10	Ditto but DN32mm PVC	LM	324		Page 4	l6 of '	
.1.11	Ditto but DN20mm PPR	LM	16		1 450		

ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (Kshs.)	AMOUNT (Kshs.)
BALAN	CE BROUGHT FORWARD				
1.1.12	Backfilling Backfill trench using well selected pit sand bed and excavated material after laying and jointing the DN , 110mm,90mm HDPE, 63 mm and 32mmPVC and 20mm PPR pipes respectively.		7,701		
1.1.13	Pressure Testing & Disinfection. Allow for carrying out pressure testing on pipeline.	LM	9,100		
1.1.14	Installation of Air Valves, Wash out. Install rising air valves, wash out and connect to pipeline as instructed on site.	No.	6		
1.1.15	Provide for thread tape (large)	No.	1,000		
1.1.16	Installation of water meters. Provide and install 3" and 2" flanged water meters at inter connection of the 90mm and 63mm diameter HDPE Pipeline.	No.	2		
1.1.17	Road crossing Allow for provision of road crossing; culvert construction and casing for HDPE pipes.	LS	2		
	FOR PIPELINE CONSTRUCTION ED TO SUMMARY SHEET	1	1		Page 47 of

BILL (B): MATERIALS FOR PIPELINE							
TEM				RATE	AMOUNT		
lo.	DESCRIPTION	UNIT	QTY.	(Kshs.)	(Kshs.)		
.2	MATERIALS FOR PIPELINE						
.2.1	PVC DN 63mm Diameter pipes class C	No.	22				
.2.2	PVC DN 32mm Diameter pipes class C	No.	54				
.2.3	PVC 1" Tee	No.	1				
	PPR Pipes and Fittings						
.2.4	PPR DN 20mm Diameter pipes class C	No.	4				
	HDPE Fittings and Pipes						
.2.5	HDPE DN 110mm Diameter pipes class C	Roll	6				
.2.6	HDPE DN 90 mm Diameter pipes class C	Roll	84				
	* *						
.2.7	HDPE Tee 3" X 1"	No.	2				
.2.8	HDPE Adaptor 1"	No.	6				
.2.9	HDPE male adaptor 3"	No.	16				
.2.10	HDPE male adaptor 4"	No.	2				
.2.11	HDPE Coupling 3"	No.	4				
.2.12	HDPE Elbow 3"	No.	3				
					Dem		
					Page		
OTAL	CARRIED TO NEXT PAGE						

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DESCRIPTION	UNIT	ΟΤΥ	RATE (Kshs.)	AMOUNT (Kshs.)
	01111	Q11.		
ICE BROUGHT FORWARD				
<u>GI Fittings</u>				
GI 2" Bend	No.	14		
GI 1" Bend	No.	1		
GI 3/4" Bend	No.	1		
GI 1" Elbow	No.	4		
G.I Tee 4"	No.	1		
G.I Tee 3"	No.	1		
G.I Tee 2"	No.	1		
GI 3" x 2" Flanged Tee	No.	6		
GI 4" x 2" Flanged Tee	No.	1		
GI 3" x 1" Flanged Tee	No.	2		
GI End cap 2"	No.	6		
GI Nipple 2"	No.	14		
	No.	4		
	No.			
-		2		
^				
^				
C C		1		
0				
_	No.	7		
Air valve 1" Female screwed	No.	2		
		1		
		3		
-				
-				
		-		
		1		
		1		
		2		
		1		
		180		
length	т 10 .	100		
Gaskets 16mm thickness	М	3		
Thread tape (large)	No.	150		
Sol fix cement	Ltr(s)	60		Page 49
FOR MATERIALS FOR PIPELINE CARRIED	1	1	1	
	GI 2" Bend GI 1" Bend GI 1" Bend GI 3/4" Bend GI 1" Elbow GI Tee 4" GI Tee 3" GI Tee 2" GI 3" x 2" Flanged Tee GI 4" x 2" Flanged Tee GI 4" x 2" Flanged Tee GI 4" x 2" Flanged Tee GI 1 Tipple 2" GI Nipple 2" GI Nipple 2" GI Nipple 1" G.I plain Socket 3" G.I plain Socket 4" G.I plain Socket 4" G.I plain Socket 3/4" G.I Reducing Bush 3"X1" G.I Reducing Bush 1"X 3/4" Other Fittings Gate valve 2" (Pegler) Gate valve 2" (Pegler) Gate valve 1" (Pegler) GI Tap 3/4" (Pegler) Air valve 1" Female screwed Air valve 2" Female screwed 1.5 meter 2" GI Pipe threaded on both sides 1.5 meter 4" GI Pipe threaded on both sides 1.5 meter 4" GI Pipe threaded on both sides Sanger Adaptors 4" Ranger Adaptors 3" Ranger Adaptors 2" Ranger 3"Coupling Ranger 2"Coupling Sluice Valve 4" Sluice Valve 4" Sluice Valve 2" Bolts, Nuts and Washers of 16mm Diameter of 3" length Gaskets 16mm thickness Thread tape (large) Sol fix cement	CE BROUGHT FORWARDGI FittingsGI 2" BendNo.GI 1" BendNo.GI 3" BendNo.GI 1" ElbowNo.GI 1" 2" Flanged TeeNo.GI 3" x 1" Flanged TeeNo.GI End cap 2"No.GI Nipple 2"No.GI Nipple 1"No.G.I plain Socket 3"No.G.I plain Socket 3"No.G.I Reducing Bush 3"X1"No.G.I Reducing Bush 3"X1"No.GI Tap 3/4" (Pegler)No.Git valve 2" (Pegler)No.Gate valve 2" (Pegler)No.Air valve 1" Female screwedNo.Air valve 1" Female screwedNo.1.5 meter 3" GI Pipe threaded on both sidesNo.1.5 meter 4" GI Pipe threaded on both sidesNo.S. Smeter 4" GI Pipe threaded on both sidesNo.S. Smeter 4" GI Pipe threaded on both sidesNo.Ranger Adaptors 3"No.Ranger Adaptors 2"No.Suice Valve 2"No.Suice Valve 4"No.Sluice	CE BROUGHT FORWARD GI Fittings G1 2" Bend No. 14 GI 1" Bend No. 1 GI 3/4" Bend No. 1 GI 1" Elbow No. 1 G.I Tee 4" No. 1 G.I Tee 4" No. 1 G.I Tee 2" No. 1 GI 3" x 2" Flanged Tee No. 1 GI 3" x 2" Flanged Tee No. 1 GI 3" x 1" Flanged Tee No. 1 GI Mipple 2" No. 14 GI Nipple 2" No. 14 GI Nipple 1" No. 16 G.I Palain Socket 3" No. 16 G.I plain Socket 34" No. 1 G.I Reducing Bush 3"X1" No. 1 Other Fittings I I Gate valve 2" (Pegler) No. 4 G1 Tap 3/4" (Pegler) No. 4 Air valve 1" Female screwed No. 3 1.5 meter 3" GI Pipe threaded on both sides No. 3	DESCRIPTION UNIT QTY. (Kshs.) CCE BROUGHT FORWARD

ITEM				RATE	AMOUNT
No.	DESCRIPTION	UNIT	QTY.	(Kshs.)	(Kshs.)
.3	CONCRETE AND MASONRY WORKS				
	Construction of Master meter chambers in 1:2:4 RCC and 1:3 mix mortar				
1.3.0	Valve Chambers with light duty valve chamber covers and frames, depths ne. 1.5m	No.	3		
1.3.1	Ballast	Ton	2		
1.3.2	Cement	Bags	24		
.3.3	Sand	Ton	0.8		
.3.4	Coral Blocks (170mmx170mmx300mm)	No.	345		
.3.5	Y10	No.	6		
1.3.6	Y12 for step iron	No.	0 12		
1.3.7	-		1.5		
1.3.7	Construction of Valve chamber for Air and washout in 1:2:4 RCC and 1:3 mix mortar.	Kg(s)	1.3		
1.3.8	Valve Chambers with light duty valve chamber covers and frames, depths ne. 1.5m	No.	6		
1.3.9					
1.3.10	Ballast	Ton	2.4		
1.3.11	Cement	Bags	36		
1.3.12	Sand	Ton	1.2		
1.3.13	Coral Blocks (170mmx170mmx300mm)	No.	558		
1.3.14	Y10	No.	12		
1.3.15	Binding wires	Kg(s)	3		
	<u>Mark post</u> Provide, lay, fix in place and paint pre-cast reinforced concrete marker posts, and be painted blue. The size to be 75mm x100mm x 1500mm				
	long.				
1.3.16	Washout Mark with Letter W.O	No.	3		
1.3.17	Air Valve Mark with Letter A.V	No.	3		
1.3.18		No.	38		
1.3.19	Construction of a Stand Point	Ls	1		
1.3.20	Costruction and Installation of Anchor Blocks Und		5		
1.3.21	Allow a Lump sum for rehabilatation of 200 metres 63mm Diameter pipeline at Ras Kitau.		1		
					Page 5
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	BILL (D): PROJECT ADMINISTRATIVE COST							
ГЕМ lo.	DESCRIPTION	UNIT	QTY.	RATE (Kshs.)	AMOUNT (Kshs.)			
.4	PROJECT ADMINISTRATIVE COST				-			
.4.1	Inspection and Setting out work Allow for a lumpsum of One hundrendand thirty thousand shillings only (Kshs.130,000)for setting out and Inspection works.	LS	1	130,000	- - 130,000			
					-			
					-			
					-			
					-			
					-			
					-			
					-			
					-			
					- -			
					-			
					- - -			
					- -			
	TOTAL FOR PROJECT ADMINSTRATIVE COS	ST CAR	RIED TO		-			
	SUMMARY SHEET				130,000.00			

CONSTRUCTION AND FABRICATION OF ONE (1) ELEVATED STEEL WATER TANK 50m³ CAPACITY ON24m HIGH TOWER

ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (Kshs.)	AMOUNT (Kshs.)
	All Provisional				
	All Prices Are Inclusive of VAT				
.1	EXCAVATION AND EARTHWORKS				
	Excavation				
	Excavation shall include for strutting, shuttering, stabilizing excavated surfaces and keeping excavations free of water bailing out, pumping or				
.1.1	other means Excavate to reduced levels in top soil for depth not exceeding 0.25m	m ³	5.0625		
.1.2	Excavate for tank foundation 0.25 – 0.5m	m ³ .	5.06		
1.1.3	Ditto but in material other than top soil, rock or artificially hard material depth $0.5 - 1m$	m ³	10.13		
.1.4	Ditto but in material other than top soil, rock or artificially hard material depth $1 - 1.5$ m	m ³	10.13		
1.1.5	Ditto but in rock depth 1.5 – 3m	m ³	24.30		
	Filling Filling to completed structure including compaction as specified				
.1.6	Fill and compact selected excavated material other then top soil, rock or artificially hard material	m ³	20.25		
1.1.7	Disposal of Excavated materials Dispose excavated materials other than rock or artificially hard materials on site as directed by the Engineer	m ³	34.43		
.1.8	Dispose excavated materials rock or artificially hard materials on site as directed by the Engineer	m ³	0.00		
	In situ Concrete: Provision and placing. Rate to include for shuttering				
.1.9	Mass concrete Class 15/20 Blinding layer 50mm thick	m ³	1.0125		

ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (Kshs.)	AMOUNT (Kshs.)
BALAN	NCE BROUGHT FORWARD				
1.1.10	Reinforced Vibrated Concrete Class 25/20 Footing and stub columns for steel columns	m ³	14.25		
1.1.10	Reinforcement: High yield hot rolled ribbed bars to BS 4449. Rate to include for supply, delivering, cutting, bending, Supporting and securing in concrete.	m	14.23		
1.1.11	Supply and install T16-46 No., T12 -4No., T10 - 12 links yield bars	Ton	1.2		
1.1.12	Fabricate, Supply and Install pressed GALVANISED steel tank 150m ³ capacity of size 5000mm x 5000mm x 2000mm to BS 1564 Part II complete with 1.5mm Thick pitched roof access hatch, access ladder, float level indicator, pipework and 27m steel tower frame as per the attached drawing and specifications. Plate thicknesses to be 12.0mm for the tank bottom and first level side panels, 8mm thick plates for the second and third levels side panels and 6mm for roof. Include for all bolts, jointing material, erection of H-beams of 150mm protection paint and any other necessary materials. Tank panels to be wire brushed and painted externally with one coat of grey primer and two coats of silver MARINE paint. Internally the panels are painted with two coats of non-toxic black bituminous paint. Touch up MARINE paint to be applied at site after erection to cover any marks.	No.	1		
	Pipework These are pipes in the vicinity of the tank including <u>Connecting the inlet pipe to the pumping main.</u>				
1.2.12	Supply and fix 50mm diameter GI Class 'B' tank inleppipe.	t No	4		
1.2.13	Supply and fix 100mm diameter GI Class 'B' tank overflow pipe.	No	5		
1.2.14	Supply and fix 50mm diameter GI Class 'B' tankscour pipe.	rNo	4		
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ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (Kshs.)	AMOUNT (Kshs.)
BALAN	NCE BROUGHT FORWARD				
1.3	Valves and Fittings				
1.3.1	Supply and fix 50mm diameter GI Class 'B' tank outlet pipe.	No	4		
1.3.1	Supply and install DN50 PN10 sluice valve for the scour.	No	1		
1.3.2	Supply and install DN50 PN10 sluice valve for the outlet.	No	1		
1.3.3	Supply and fix all flanged DN100x50 Tee	No	6		
1.3.4	Supply and fix double flanged DN50 90° short radius bend.	No	1		
1.3.5	Non Return Valve DN50 PN16	No	1		
	Straight Special				
1.3.6	DN50 double flanged piece, length 1000mm	No	1		
1.3.7	DN50 double flanged piece, length 300mm	No	1		
1.3.7 1.3.7	DN50 double flanged piece, length 500mm 50mm diameter Water Meter.	No No	1		
1.3.7	50mm diameter G.I. bends.	No No	2 4		
1.3.7	50mm diameter GI union	No	1		
	Construction of Valve chamber in 1:2:4 RCC and 1:3 mix mortar.				
1.3.8	Construct standard reinforced concrete valve chambers. Include for hardcore fill, boxing out for manhole and fixing of 1No. MS manhole cover and frame heavy duty 600x 450mm for water master meters for 3" flanged water master meter with all necessary fittings and a PVC 3" pipeline connecting this tank to water source as directed by Engineer on site.	Ls	1		
1.3.11	Allow for piping costs and transportation to site.	Ls	1		
1.3.12	Supply and apply recommended disinfectant and test the tank	Ls	1		
	TOTAL FOR VALVES AND FITTINGS CARRIED	TO SUMI	MARY SHE	CET	

BILL (F) – CONSTRUCTION OF 50M3 SUMP TANK

Item No.DescriptionUnitQty.Ra1.0Site Clearance Clear tank site of all bushes, scrubs, undergrowth and trees and remove all stumps and roots and dispose.Lump Sum11.1Excavate tank site commencing from 200mm below ground level but not exceeding 1.5m deep.M³601.2Ditto 1.5m to 3.0m deep.M³201.3Provide, place and compact 200mm thick hardcore as shown on the drawings.M²40	te Amount(Kshs.)
1.0Clear tank site of all bushes, scrubs, undergrowth and trees and remove all stumps and roots and dispose.Lump Sum11.1Excavate tank site commencing from 200mm below ground level but not exceeding 1.5m deep.M³601.2Ditto 1.5m to 3.0m deep.M³201.3Provide, place and compact 200mm thick hardcore as shown on the drawings.M²401.4Provide, place 50mm thick blinding 1:3:6M²40	
200mm below ground level but not exceeding 1.5m deep.M3201.2Ditto 1.5m to 3.0m deep.M3201.3Provide, place and compact 200mm thick hardcore as shown on the drawings.M2401.4Provide, place 50mm thick blinding 1:3:6M240	
1.2Ditto 1.5m to 3.0m deep.M3201.3Provide, place and compact 200mm thick hardcore as shown on the drawings.M2401.4Provide, place 50mm thick blinding 1:3:6M240	
hardcore as shown on the drawings.1.4Provide, place 50mm thick blinding 1:3:6M240	
concrete mix on top of hardcore and compact.	
1.5Provide, mix and place 250mm thick vibrated reinforced concrete 1:2:4 mix to floor slab. Allow for curing.M310	
1.6Provide, mix and place 1:3 cement sand screed 20mm thick on top of floor slab. Allow for curing.M238	
1.7Provide, place and joint 9''x9''x13'' (250mm) thick dressed coral stone tank wall in 1:3 cement sand mortar as directed by the engineer.M237	
1.8Provide, prepare and apply 1:3 cement sand plaster of 25mm thick to internal sides of tank wall. Allow for water proof cement and curing.M237	
SUB-TOTAL	

Item No.	Description	Unit	Qty.	Rate	Amount (Kshs.)
	Balance Brought Forward				
1.9	Provide, prepare and apply 1:3 cement sand plaster of 20mm thick to external sides of tank wall. Allow for curing.	M ²	37		
2.0	<u>Reinforcement</u> Provide and fix R8 reinforcement bars in horizontal mortar joint of tank wall as shown on drawing.	М	400		
2.1	Provide and fix Y10 reinforcement bars in concrete foundation of tank bottom as shown on drawings directed by engineer.	М	856		
2.2	Provide and fix Y10 reinforcement bars in concrete roof slab of the tank as shown on the drawing.	М	887		
2.3	Provide a ventilation/Breathers of 100mm diameter using G.I bends on the roof slab of the tank and fix gauge wire as diameter on site.	No	4		
2.4	Provide and fix all the piping system of inlet, outlet, washout and all other necessary fittings of the tank as directed on site.	Ls	1		
2.5	Provide materials for construction of valve and Wash Out Chamber at inlet and outlet of tank as shown in the drawing to the engineer's satisfaction.	No	2		
	SUB-TOTAL				

Item No.DescriptionUnitBalance Brought Forward SundriesReveal and a standard place reinforced concrete 1:2:4 to column as shown on the drawings. Allow for plastering. The column size to be 200 x 200mm.No.2.7Provide a manhole opening of size 600mm x 600mm on top of roof with a lockable cover.No.2.8Provide, erect and fix Y10 bar on the floor slab for the columns as shown on the drawings.M	1	Unit	Qty.	Rate	Amount (Kshs.)
 600mm on top of roof with a lockable cover. 2.8 Provide, erect and fix Y10 bar on the floor slab for the columns as shown on the 	B ni ol	place reinforced concrete No. s shown on the drawings.	2		
slab for the columns as shown on the			1		
	le		24		
TOTAL					

	BILL (G) – PROPOSED CONSTRUCTION OF CHAIN LINK FENCE 0.12KM						
Item No.	Description	Unit	Qty.	Rate	Amount (Kshs.)		
	CHAIN LINK FENCE						
	ALL PROVISIONAL						
А	Clear the site along the perimeter fence of all bushes, shrubs, grass, small trees etc including grabbing up their roots and cart away where necessary.	SM	50				
В	Dig up holes for pre-cast concrete fencing posts not exceeding 1000mm deep, 400mm diameter @ 3m c/c.	NO	36				
С	Provide and install concrete fencing posts 100mm x 130mm x 3050mm overall length reinforced with 4 Y10 with R6@ 200m c/c with concrete class 20.	NO	36				
D	Ditto but double struts spaced a pair after every 6 days.	NO	12				
Ε	Provide and fix 12mm diameter bolt washer and nuts to fasten the struts to main poles.	NO	12				
F	Fill into strength with mass concrete class 20 to secure concrete posts. Supply and fix barbed wire 12 1/2-gauge x 3 strands galvanized as a fastener to	СМ	14				
0	engineer's specification.	Rolls	2				
Н	Supply and fix 14-gauge plastic coated chain link to the engineer's specifications.	SM	264				
Ι	Supply and fix gauge 10 straining wire	Rolls	2				
	SUB-TOTAL						

Item No.	Description	Unit	Qty.	Rate	Amount (Kshs.)
	Balance Brought Forward				
J	<u>GATE</u> Supply and fix steel fabricated gate double leaf 4m wide by 2.4m high lower half covered with gauge 16 plain mild steel sheets and upper half with decorative wire mesh steel patterned in 50 x 50 x 3mm thick RHS including 75 x 50 RHS framing and priming and paint wo.	NO	1		
К	Plain concrete blinding in foundation to column bases	SM	2		
L	Vibrated reinforced concrete 1:2:4 to column bases and columns (columns size 300mm by 300mm)	СМ	2		
М	8mm ring to columns @ 200mm c/c	KG	18		
Ν	10mm diameter reinforcement to column bases and 12mm diameter to columns	KG	28		
0	Timber Formwork for all the columns	SM	6		
	TOTAL				

	BILL (H) – INSTALLATION OF SOLAR I	PUMPIN	G Systi	EM	
Item No.	Description	Unit	Qty.	Rate	Amount (Kshs.)
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	Supply and install a solar pump for pumping water from 50m ³ Sump Tank to a 18m high 50m ³ water tower. Consider a 35m total head and 50,000 litres daily water requirement. Grundfos or its equivalent PU4000-15pump c/w motor PS4000 4kVA DC pump control panel PV Disconnect switch 440v/40A Well-probe sensor 85w 12V crystalline solar modules Solarworld dual core cable Surge Protector PS1800 4mm ² 4core submersible cable Cable joint (1.5mm-4mm) Float switch Dayliff 1 ¹ / ₂ " 3m pipe Dayliff 1 ¹ / ₂ " adaptor set Solar support structure Installation materials Installation Labour & Transport	No. No. No. No. M No. No. No. No. LS. LS. LS.	$ \begin{array}{c} 1\\ 1\\ 1\\ 1\\ 48\\ 30\\ 2\\ 1\\ 8\\ 1\\ 1\\ 1\\ 1\\ 1 \end{array} $		
1	TOTAL				

	BILL (I) CONSTRUCTION OF SEC	1	-		
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PROPOSED SECURITY HOUSE AND 1NO 1 DOOR TOILET				
	SUBSTRUCTURES				
1	Excavations Clear site of all shrubs and undergrowth including grubbing up of roots and dispose off as directed.	Sm	17		
2	Excavate to remove vegetable top soil average 200mm deep and cart away	Sm	17		
3	Excavate trenches for strip foundation not exceeding 1.5metres for reduced level	Cm	23		
4	Extra over excavation from rock class 1 in any position	Cm	8		
5	Backfilling Return, fill-in and rum selected excavated materials around foundations Disposal of excavated materials	Cm	9.5		
6	Remove and cart away surplus excavated materials.	Cm	11.5		
7	<u>Planking and Strutting</u> Allow for Planking and strutting to sides of all excavations including keeping excavations free from fallen materials	Items	1		
8	Disposal of water Allow for keeping the whole of the excavations free from all water; include for draining or other wise keeping all works free from water as necessary over the entire contract period	Items	1		
	SUB-TOTAL				

<i>nce Brought Forward</i> dcore Filling core ^r am	ton	5		
	ton	5		
am				
	ton	1.5		
g Damp proof membrane; 1200mm wide	LM	12.5		
-termite treatment as termidor	ltrs	1		
PTING ent	bags	10		
	ton	2		
ist	ton	3.5		
B n timber as formwork; 6 x 1 "	ft	47		
ent	bags	14		
	ton	1.5		
ıst	ton	2.7		
e e e e e e e e e e e e e e e e e e e	timber as formwork; 6 x 1 " nt	timber as formwork; 6 x 1 " ft bags ton st ton	timber as formwork; 6 x 1 " the state of the state of th	timber as formwork; 6 x 1 " ft 47 nt bags 14 ton 1.5

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	<u>RC SUPERSTRUCTURE -</u> (CONTINUED)				
20	nails; 2" long	kgs	2		
21	A142 BRC mesh; 1.2m wide	Roll	0.25		
22	8mm dia. Rebars; 12m long	LM	145		
23	10mm dia. Rebars; 12 m long	LM	82		
24	Binding wire	kg	1		
25	spacers; 50 x 50mm	No.	40		
26	FOUNDATION WALL masonry blocks; 390 x 190 x 190mm	No	272		
27	cement	Bags	3		
28	sand	tons	0.25		
29	25 x 3mm hoop iron	Roll	2.5		
30	bituminous paint	ltrs	3.5		
	WALLING				
31	1000g Damp proof course; 150mm wide	Roll	1		
32	masonry blocks; 390 x 190 x 190mm	No	723		
33	cement	bags	8.5		
34	sand	tons	0.5		
35	25 x 3 hoop iron	Roll	1		
36	Pair of permanent ventilation size 225 x 225 x 25mm	No	5		
1	SUB-TOTAL				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward <u>ROOFING</u>				
	- <u>Capentry</u>				
37	28 Gauge IT5 box profilesheets of approved color size 915 x 3000mm	No	17		
38	320mm dia. Half round 2m long matching ridge cap	No	6		
39	200mm dia. Half round 2m long matching hip cover	No	1.5		
40	200 mm dia. Half round 2m long matching valley cover	No	1		
41	Roofing nails; 3"	kg	5		
	The following Sawn celcured cypress timber;				
42	$\overline{4} \times 3''$ rafters	ft	108		
43	3 x 2" joist	ft	40		
44	2 x 2" purlins	ft	86		
45	4 x 3" wall plate	ft	67		
46	Assorted nails	kg	4		
	Painting and decorations				
47	Aluminum wood primer	ltrs	1		
48	Crown vinyl to timber surfaces	ltrs	2		
49	Gloss oil paint to metal surfaces	ltrs	4		
	SUB-TOTAL	I		1	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	DOORS				
	Wooden doors complete with 100 x 50 x 3mm frame, size:				
50	1200 x 2100mm	No	1		
	45mm thick timber door as solid core flush veneered both sides with first grade plywood lipped on all edges in approved hardwood as B.S 459 part 2;				
51	900 x 2100mm	No	2		
	wrot cypress or other equal and approved:				
52	150 x 50mm door frame	ft	53		
53	45 x 38mm architrave	ft	53		
	Iron mongery; supply and fix the follwing as "Assa Abloy" catalogue orother eqaul and approved				
54	Two - lever door mortice locks with lever furniture REF 680-06-95 AS with martin handle	No	3		
55	300mm dia. D handle	No	2		
56	100mm pressed steel butt hinges	Prs	3		
57	Rubber door stopper complete with 38 mm rawl bolt	No	4		
	SUB-TOTAL				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	Painting and decorations				
	DOORS				
58	Aluminium wood primer	ltr	0.5		
59	Zinc rich primer onto metal surfaces	ltrs	1		
60	Polyurethane clear vanish onto timber surfaces	ltrs	1.5		
61	Gloss oil paint to metal surfaces	ltrs	1		
	<u>WINDOWS</u>				
62	200 x 25mm precast concrete window cill	Lm	8.2		
	Wooden Windows complete with frames, transomes, mullions and including permanent ventilations, window overall size;				
63	300 x 600mm	NO	2		
64	1200 x 900 mm	NO	2		
65	Burglar proofing grilles comprising of 25 x 6mm mild steelflat framing and 12mm dia. Horizontal andvertcial round bars at 125mm centers;	SM	2.25		
	Glazing				
66	4 mm thick clear sheet glass in panes 0.5 -1.0 SM	SM	2.5		
	Paintings and decorations				
67	Zinc rich primer onto metal surfaces	Ltrs	2		
68	Aluminum wood primer onto timber surfaces	Ltrs	0.25		
69	Polyurethane clear vanish onto timber surfaces	Ltrs	0.5		
70	Gloss oil paint onto metal surfaces SUB-TOTAL	Ltrs	3		
	SUD-IUIAL				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward <u>FINISHES</u>				
	WALLING				
71 72	Cement Sand	bags tons	8.5 2		
	Paintigs and decorations				
73	C60 gypsum filler to plastered wall surfaces	kg	5.5		
74	Silk vinyl emulsion to plastered and rendered surfaces	Ltrs	5		
75	FLOOR Cement	bags	3.5		
76	Sand	tons	1		
77	Red oxide	g	160		
78	75 x 25mm thick molded cornice	Lm	12		
79	2 x 2" sawn celcured cypress or other equal and approved brandering	ft	35		
80	4" long nails	KG	2		
81	3" long nails	kg	5		
82	1" long nails	kg	4		
83	12mm thick soft board ceiling board, size 8 x 4'	No	15		
84	Paintigs and decorations Aluminum wood primer onto timber surfaces	Ltrs	3.5		
85	Polyurethane clear vanish onto timber surfaces TOTAL FOR BUILDERS' WORKS CARRIED TO	Ltrs GRANI	6.5 SUMMAR		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ASSORTED ITEMS FOR				
	SECURITY HOUSE				
	Electrical Installations				
А	Provide a provisional sum of				
11	Kenya Shillings Ninety five				
	Thousand (Kshs 10,000.00) only				
	for all Electrical Installations.		SUM		
	Joinery Fittings				
В	Provide a provisional sum of				
2	Kenya Shilling Fifty thousand				
	(Kshs. 6,000.00) only for Joinery		GLD (
	fittings.		SUM		
	Soak PIT				
	(2.4Metres Diameter by 3Metres				
	deep - Masonary walling)				
C	Provide a provisional sum of				
	Kenya Shilling Fifty thousand (Kshs. 32,000.00) only for Soak				
	Pit.		SUM		
-	SUB-TOTAL FOR ASSORTED I	TEMS FOR S	SECURITY HO	DUSE	
	GRAND SUMMARY				

Item	Description	Amount (KSh.)
ITEM	SHELA, MANDA MAWENI, AIRPORT TO SECONDARY WATER SUPPLY	AMOUNT(KSHS)
No.	BILLS SUMMARY SHEET	
BILL(A)	CONSTRUCTION OF 9.45KM PIPELINE	
BILL(B)	MATERIALS FOR PIPELINE	
BILL (C)	CONCRETE, MASONRY WORKS	
BILL(D)	PROJECT ADMINISTRATIVE COST	
	CONSTRUCTION AND FABRICATION OF ONE (1) ELEVATED STEEL	
	WATER TANK 50m ³ CAPACITY ON24m HIGH TOWER	
BILL(F)	CONSTRUCTION OF 50M ³ SUMP TANK	
BILL(G)	INSTALLATION OF SOLAR PUMPING SYSTEM	
BILL(H)	CONSTRUCTION OF CHAINLINK FENCE, 0.22KM	
BILL(I)	CONSTRUCTION OF SECURITY HOUSE	
	SUB-TOTAL	
	Allow for Administration costs and Additional Works	150,000
	GRAND TOTAL CARRIED FROM FORM OF TENDER (Inclusive	
	Of V.A.T)	

























