



COUNTY GOVERNMENT OF LAMU DEPARTMENT OF WATER MANAGEMENT AND CONSERVATION

TENDER DOCUMENT

FOR SUPPLY, DELIVERY AND INSTALLATION OF FAZA DESALINATION PLANT AND CONSTRUCTION OF PLANT HOUSE.

TENDER NO.CGL/TND/WATER/033/2020-2021

(NEGOTIATION NUMBER 866438-3)

TABLE OF CONTENTS

SECTION I	INVITATION TO TENDER	PAGE 3
SECTION II	INSTRUCTIONS TO TENDERERS Appendix to Instructions to tenderers	5 22
SECTION III	GENERAL CONDITIONS OF CONTRACT	24
SECTION IV	SPECIAL CONDITIONS OF CONTRACT	32
SECTION V	SCHEDULE OF REQUIREMENTS AND PRICE	33
SECTION VI	TECHNICAL SPECIFICATION	34
SECTION VII	STANDARD FORMS	37
7.1	FORM OF TENDER	38
7.2	CONFIDENTIAL BUSINESS & QUESTIONNAIRE	39
7.3	TENDER SECURITY FORM	40
7.4	CONTRACT FORM	41
7.5	PERFORMANCE SECURITY FORM	42
7.6	BANK QUARANTEE FOR ADVANCE PAYMENT	43
7.7	MANUFACTURER'S AUTHORIZATION FORM	44
7.8	LETTER OF NOTIFICATION OF AWARD	45
7.9	FORM RB	46
7.10	DECLARATION FORM	48
SECTION VIII	EVALUATION CRITERIA	49



SECTION I: INVITATION TO TENDER

TENDER REF NUMBER: CGL/TND/WATER/033/2020-2021

TENDER NAME: SUPPLY, DELIVERY AND INSTALLATION OF FAZA DESALINATION PLANT AND CONSTRUCTION OF PLANT HOUSE.

The County Government Of Lamu invites sealed tenders from eligible candidates for **Supply, Delivery and Installation of Faza Desalination Plant and Construction of Plant House.**

- **1.1** Interested eligible candidates may obtain further information from and inspect the tender documents at Supply Chain Management office at The County Treasury located at Lamu or visit Lamu County Government website http://www.lamu.go.ke.
- **12** A complete set of tender documents shall be made available on the Lamu County Government website: <u>http://www.lamu.go.ke.</u> and obtained by interested candidates without paying any fee.
- **13** 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 the tender.
- 14 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 Wednesday 23rd June, 2021 at 11.00 a.m.
- **15** Tenders will be opened immediately thereafter in the presence of the Candidates or their representatives who choose to attend at the County's Board room.

For (Accounting Officer/County Government of Lamu)

SECTION II - INSTRUCTIONS TO TENDERERS Table of Clauses

2.1	Eligible Tenderers5
2.2	Eligible Equipment
2.3	Cost of Tendering
2.4	Contents of Tender Document
2.5	Clarification of Tender Documents
2.6	Amendment of Tender Document
2.7	Language of Tender7
2.8	Documents Comprising the Tender
2.9	Tender Forms8
2.10	Tender Prices
2.11	Tender Currencies
2.12	Tenderers Eligibility and Qualifications
2.13	Goods' Eligibility and Conformity to Tender Document.
2.14	Tender Security11
2.15	Validity of Tenders
	Format and Signing of Tenders
	Sealing and Marking of Tenders13
	Deadline for Submission of Tender13
2.19	Modification and Withdrawal of Tenders14
2.20	Opening of Tenders 14
2.21	Clarification of Tenders15
2.22	Preliminary Examination15
2.23	Conversion to Single Currency16
2.24	Evaluation and Comparison of Tenders16
2.25	Contacting the Procuring Entity
2.26	Award of Contract
(a)	Post Qualification18
(b)	Award criteria18
(c)	Procuring Entity's Right to Vary Quantities19
(d)	Procuring Entity's Right to Accept or Reject any
	or all Tenders19
2.27	Notification of Award20
2.28	Signing of Contract
2.29	Performance Security
2.30	Corrupt or Fraudulent Practices

Page

10

SECTION II – INSTRUCTIONS TO TENDERERS

2.1 Eligible Tenderers

- 2.1.1 This Invitation for Tenders is open to all tenderers eligible as described in the Appendix to Instructions to Tenderers. Successful tenderers shall complete the supply, install and commissioning of the equipment by the intended completion date specified in the tender documents.
- 2.1.2 The County Government's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender unless where specially allowed under section 131 of the Act.
- 2.1.3 Tenderers shall provide the qualification information statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the County government to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this Invitation for tenders.
- 2.1.4 Tenderers involved in corrupt or fraudulent practices or debarred from participating in public procurement shall not be eligible.

2.2 Eligible Equipment

- 22.1 All equipment to be supplied and installed under the contract shall have their origin in eligible source countries.
- 222 For purposes of this clause, "origin" means the place where the equipment(s) are produced. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components
- 22.3 The origin of equipment is distinct from the nationality of the tenderer and shall be treated thus in the evaluation of the tender.

2.3 Cost of Tendering

- 23.1 The Tenderer shall bear all costs associated with the preparation and submission of its tender, and the County Government, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
- 23.2 The price to be charged for the tender document shall not exceed Ksh 5000.00

2.3.3 The County government shall allow the tenderer to review the tender document free of charge before purchase.

2.4. Contents of Tender Document

- 2.4.1 The tender document comprises the documents listed below and addenda issued in accordance with clause 2.6 of these instructions to tenderers
 - (i) Invitation to Tender
 - (ii) Instructions to Tenderers
 - (iii) General Conditions of Contract
 - (iv) Special Conditions of Contract
 - (v) Schedule of requirements
 - (vi) Technical Specifications
 - (vii) Tender Form and Price Schedules
 - (viii) Tender Security Form
 - (ix) Contract Form
 - (x) Performance Security Form
 - (xi) Bank Guarantee for Advance Payment Form
 - (xii) Manufacturer's Authorization Form
 - (xiii) Confidential Business Questionnaire Form
 - (xiv) Declaration form
 - (xv) Request for Review Form
- 2.4.2 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or to submit a tender not substantially responsive to the tender documents in every respect will be at the tenderers risk and may result in the rejection of its tender.

2.5 Clarification of Tender Documents

- 2.5.1 A prospective tenderer making inquiries of the tender documents may notify the county government in writing or by post at the entity's address indicated in the invitation for tenders. The County Government will respond in writing to any request for clarification of the tender documents, which it receives not later than seven (7) days prior to the deadline for the submission of tenders, prescribed by the County. Written copies of the Procuring entities response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective tenderers that have received the tender document.
- 2.5.2 The County 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.



2.6 Amendment of Tender Documents

- 2.6.1 At any time prior to the deadline for submission of tender, the County Government, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, may modify the tender documents by issuing an addendum.
- 2.6.2 All prospective tenderers that have obtained the tender documents will be notified of the amendment in writing or by post and will be binding on them.
- 2.6.3 In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, the County, at its discretion, may extend the deadline for the submission of tenders.

2.7 Language of Tender

2.7.1 The tender prepared by the tenderer, as well as all correspondence and documents relating to the tender exchange by the tenderer and the **County**, shall be written in English language, provided that any printed literature furnished by the tenderer may be written in another language provided they are accompanied by an accurate English translation of the relevant passages in which case, for purposes of interpretation of the tender, the English translation shall govern.

2.8 Documents Comprising the Tender

- 2.8.1 The tender prepared by the tenderers shall comprise the following components.
 - (a) a Tender Form and a Price Schedule completed in accordance with paragraph 2.9, 2.10 and 2.11 below
 - (b) documentary evidence established in accordance with paragraph
 2.12 that the tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
 - (c) documentary evidence established in accordance with paragraph
 2.13 that the goods and ancillary services to be supplied by the tenderer are eligible goods and services and conform to the tender documents; and
 - (d) tender security furnished in accordance with paragraph 2.14
 - (e) Confidential Business Questionnaire

2.9 Tender Form

2.9.1 The tenderer shall complete the Form of Tender and the appropriate Price Schedule furnished in the tender documents, indicating the equipment to be supplied, installed and commissioned and a brief description of the equipment, their country of origin, quantity, and prices.



2.10 Tender Prices

- 2.10.1 The tenderer shall indicate on the appropriate Price Schedule the unit prices where applicable and total tender price of the equipment and installation it proposes to supply under the contract.
- 2.10.2 Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - (i) the price of the equipment quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable:
 - (ii) charges for inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination; and
 - (iii) installation charges shall also be indicated separately for each equipment
- 2.10.3 Prices quoted by the tender shall remain fixed during the Tender's performance of the contract. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to paragraph 2.22 unless otherwise agreed by the parties.

2.11 Tender Currencies

- 2.11.1 Prices shall be quoted in the following currencies:
 - (a) For equipment that the tenderer will supply from within Kenya, the prices shall be quoted in Kenya Shillings; and
 - (b) For equipment that the tenderer will supply from outside Kenya, the prices may be quoted in US Dollars or in another freely convertible currency.
 - (c) Cost of installation and commissioning will be in Kenya Shillings.

2.12 Tenderers Eligibility and Qualifications

- 2.12.1 Pursuant to paragraph 2.1. The tenderers shall furnish, as part of its Tender, documents establishing the tenderers eligibility to tender and its qualifications to perform the contract if its tender is accepted.
- 2.12.1 The documentary evidence of the tenderers eligibility to tender shall establish to the County's satisfaction that the tenderer, at the time of submission of its tender, is from an eligible source country as defined under paragraph 2.1



- 2.12.2 The documentary evidence of the tenderers qualifications to perform the contract if its tender is accepted shall establish to the County's satisfaction;
 - (a) that, in the case of a tenderer offering to supply equipment under the contract which the tenderer did not manufacture or otherwise produce, the tenderer has been duly authorized by the equipment, Manufacturer or producer to supply the equipment.
 - (b) that the tenderer has the financial, technical, and production capability necessary to perform the contract;
 - (c) that, in the case of a tenderer not doing business within Kenya, the tenderer is or will be (if awarded the contract) represented by an Agent in Kenya equipped, and able to carry out the Tenderer's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

2.13 Goods Eligibility and Conformity to Tender Document

- 2.13.1 Pursuant paragraph 2.2 of this section, the tenderer shall furnish, as part of its tender documents establishing the eligibility and conformity to the tender documents of all equipment which the tenderer proposes to supply under the contract
- 2.13.2 The documentary evidence of the eligibility of the goods shall consist of statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 2.13.3 The documentary evidence of conformity of the equipment to the tender documents may be in the form of literature, drawings, and data, and shall consist of:
 - a) a detailed description of the essential technical and performance characteristic of the equipment
 - b) a list giving full particulars, including available source and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the equipment for a period of two (2) years, following commencement of the use of the equipment by the County; and
 - c) a clause-by-clause commentary on the County's Technical Specifications demonstrating substantial responsiveness of the goods and service to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 2.13.4 For purposes of the commentary to be furnished pursuant to paragraph 2.13.3(c) above, the tenderer shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procurement entity in its Technical Specifications, are intended to be descriptive only and not restrictive. The tenderer may substitute alternative



standards, brand names, and/or catalogue numbers in its tender, provided that it demonstrates to the Procurement entity's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

2.14 Tender Security

- 2.14.1 The tenderer shall furnish, as part of its tender, a tender security for the amount and form specified in the Appendix to Instructions to Tenderers.
- 2.14.2 The tender security shall be in the amount not exceeding 2 percent of the tender price, from a reputable bank or Insurance companies approved by Public Procurement Regulatory Authority.
- 2.14.3 The tender security is required to protect the County against the risk of Tenderer's conduct which would warrant the security's forfeiture, pursuant to paragraph 2.14.7
- 2.14.4 The tender security shall be denominated in Kenya Shillings or in another freely convertible currency, and shall be in the form of
 - a) Cash
 - b) A bank guarantee
 - c) Such insurance guarantee approved by the Authority
 - d) Letter of credit.
- 2.14.5 Any tender not secured in accordance with paragraph 2.14.1 and 2.14.3 will be rejected by the County as non-responsive, pursuant to paragraph 2.22
- 2.14.6 Unsuccessful Tenderer's tender security will be discharged or returned as promptly as possible as but not later than thirty (30) days after the expiration of the period of tender validity prescribed by the County.
- 2.14.7 The successful Tenderer's tender security will be discharged upon the tenderer signing the contract, pursuant to paragraph 2.27 and furnishing the performance security, pursuant to paragraph 2.28
- 2.14.8 The tender security may be forfeited:
 - a) if a tenderer withdraws its tender during the period of tender validity specified by the County on the Tender Form; or
 - b) in the case of a successful tenderer, if the tenderer fails:
 - i) to sign the contract in accordance with paragraph 2.27

r

ii) to furnish performance security in accordance with paragraph 2.28



c) If the tenderer rejects correction of an arithmetic error in the tender.

2.15 Validity of Tenders

- 2.15.1 Tenderers shall remain valid for 120 days or as specified in the tender documents after date of tender opening prescribed by the County, pursuant to paragraph 2.20. A tender valid for a shorter period shall be rejected by the County as non-responsive.
- 2.15.2 In exceptional circumstances, the County Government may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tender security provided under paragraph 2.14 shall also be suitably extended. A tenderer may refuse the request without forfeiting its tender security. A tenderer granting the request will not be required nor permitted to modify its tender.

2.16 Format and Signing of Tender

2.16.1 The tenderer shall prepare and submit tender in the Ifmis Suppliers Portal.

2.17 Sealing and Marking of Tenders

2.17.1 Tenders shall be submitted electronically through IFMIS at <u>supplier.treasury.go.ke</u> and be received on or before **Wednesday 23rd June, 2021 at 11.00 a.m.**

2.18 Deadline for Submission of Tenders

- 2.18.1 Tenders must be received at the address specified under paragraph 2.17.1 not later than Wednesday 23rd June, 2021 at 11.00 a.m.
- 2.18.2 The County may, at its discretion, extend this deadline for the submission of tenders by amending the tender documents in accordance with paragraph 2.6, in which case all rights and obligations of the County Government and candidates previously subject to the deadline will therefore be subject to the deadline as extended.

2.19 Modification and Withdrawal of Tenders

- 2.19.1 The tenderer may modify or withdraw its tender after the tender's submission, provided that written notice of the modification, including substitution or withdrawal of the tenders, is received by The County prior to the deadline prescribed for submission of tenders.
- 2.19.2 The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.17. A



withdrawal notice may also be sent by cable, telex but followed by a signed confirmation copy, postmarked not later than the deadline for submission of tenders.

- 2.19.3 No tender may be modified after the deadline for submission of tenders.
- 2.19.4 No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the tenderer on the Tender Form. Withdrawal of a tender during this interval may result in the Tenderer's forfeiture of its tender security, pursuant to paragraph 2.14.7

2.20 Opening of Tenders

The County Government will open all tenders in the presence of tenderers' representatives who choose to attend, Wednesday 23rd June, 2021 at 11.00 a.m. at the County's Board Room, Mokowe.

The tenderers' representatives who are present shall sign a tender opening register evidencing their attendance.

- 2.20.1 The tenderers' names, will be announced at the opening.
- 2.20.2 The appointed tender opening committee will prepare minutes of the tender opening.

2.21 Clarification of Tenders

- 2.21.1 To assist in the examination, evaluation and comparison of tenders the County government may, at its discretion, ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or substance of the tender shall be sought, offered, or permitted.
- 2.21.2 Any effort by the tenderer to influence in the **County**'s Government tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderers' tender.

2.22 Preliminary Examination and Responsiveness

- 2.22.1 The **County Government** will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.
- 2.22.2 No correction of Arithmetical errors. If there is a discrepancy between words and figures the amount in words will prevail.
- 2.22.3 The County Government may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such waiver does not prejudice or effect the relative ranking of any tenderer.

- 2.22.4 Prior to the detailed evaluation, pursuant to paragraph 2.23 the County Government will determine the substantial responsiveness of each tender to the tender documents. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender documents without material deviations. The County Governments' determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- 2.22.5 If a tender is not substantially responsive, it will be rejected by the County Government and may not subsequently be made responsive by the tenderer by correction of the non-conformity.

2.23 Conversion to Single Currency

2.23.1 Where other currencies are used, the County Government will convert those currencies to Kenya Shillings using the selling exchange rate on the date of tender closing provided by the Central Bank of Kenya.

2.24 Evaluation and Comparison of Tenders

- 2.24.1 The County Government will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to paragraph 2.22
- 2.24.2 The County Government evaluation of a tender will exclude and not take into account
 - (a) in the case of equipment manufactured in Kenya or equipment of foreign origin already located in Kenya, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the tenderer; and
 - (b) any allowance for price adjustment during the period of execution of the contract, if provided in the tender.
- 2.24.3 The comparison shall be of the ex-factory/ex-warehouse/off-the-shelf price of the goods offered from within Kenya, such price to include all costs, as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods.
- 2.24.4 The County's evaluation of a tender will take into account, in addition to the tender price and the price of incidental services, the following factors, in the manner and to the extent indicated in paragraph 2.23.5 and in the technical specifications:
 - (a) delivery and installation schedule offered in the tender;
 - (b) deviations in payment schedule from the specifications in the Special Conditions of Contract;
 - (c) the cost of components, mandatory spare parts and service;



- (d) the availability in Kenya of spare parts and after-sales service for the equipment offered in the tender;
- 2.24.5 Pursuant to paragraph 2.24.4 the following evaluation methods will be applied
- (a) Delivery schedule
 - (i) The County Government requires that the equipment under the Invitation for Tenders shall be delivered at the time specified in the Schedule of Requirements. Tenders offering deliveries longer than the required delivery time will be treated as non-responsive and rejected.

(b) Deviation in payment schedule

Tenderers shall state their tender price for the payment of schedule outlined in the special conditions of contract. Tenders will be evaluated on the basis of this base price. Tenderers are, however, permitted to state an alternative payment schedule and indicate the reduction in tender price they wish to offer for such alternative payment schedule. The County Government may consider the alternative payment schedule offered by the selected tenderer.

(c) Spare parts and after sales service facilities

Tenderers must offer items with service and spare parts back-up. Documentary evidence and locations of such back-up must be given. Where a tenderer offers items without such back-up in the country, he must give a documentary evidence and assurance that he will establish adequate back-up for items supplied.

- 2.24.6 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 2.24.7 Preference where allowed in the evaluation of tenders shall not exceed 15%

2.25 Contacting the County Government.

- 2.25.1 Subject to paragraph 2.21 no tenderer shall contact the County Government on any matter related to its tender, from the time of the tender opening to the time the contract is awarded.
- 2.25.2 Any effort by a tenderer to influence the County Government in its decisions on tender, evaluation, tender comparison, or contract award may result in the rejection of the Tenderer's tender.

2.26 Award of Contract

(a) **Post-Qualification**



- 2.26.1 In the absence of pre-qualification, The County will determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated responsive tender is qualified to perform the contract satisfactorily.
- 2.26.2 The determination will take into account the tenderer financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, pursuant to paragraph 2.12.3 as well as such other information as the County deems necessary and appropriate.
- 2.26.3 An affirmative determination will be a prerequisite for award of the contract to the tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the County will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform satisfactorily.

(b) Award Criteria

- 2.26.4 The County will award the contract to the successful tenderer(s) whose tender has been determined to be substantially responsive and has been determined to be the lowest evaluated tender, provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.
- 2.26.5 To qualify for contract awards, the tenderer shall have the following:
 - a) Necessary qualifications, capability experience, services, equipment and facilities to provide what is being procured.
 - b) Legal capacity to enter into a contract for procurement
 - c) Shall not be insolvent, in receivership, bankrupt or in the process of being wound up and is not the subject of legal proceedings relating to the foregoing.
 - d) Shall not be debarred from participating in public procurement.

(c) County's Right to Accept or Reject Any or All Tenders

2.26.6 The County reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderer of the grounds for the County's action

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



- 2.26.8 The County shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.
- 2.26.9 A tenderer who gives false information in the tender document about is qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

2.27 Notification of Award

- 2.27.1 Prior to the expiration of the period of tender validity, the County will notify the successful tenderer in writing that its tender has been accepted.
- 2.27.2 The notification of award will signify the formation of the Contract but will have to wait until the contract is finally signed by both parties. Simultaneous other tenderers shall be notified that their tenders have not been successful.
- 2.27.3 Upon the successful Tenderer's furnishing of the performance security pursuant to paragraph 2.29, the County will simultaneously inform the other tenderers that this tenders have not been successful

2.28 Signing of Contract

- 2.28.1 At the same time as the County notifies the successful tenderer that its tender has been accepted, the County will simultaneously inform the other tenderers that their tenders have not been successful.
- 2.28.2 Within fourteen (14) days of receipt of the Contract Form, the successful tenderer shall sign and date the contract and return it to the County.
- 2.28.3 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.

2.29 Performance Security

- 2.29.1 Within Thirty (30) days of the receipt of notification of award from the County, the successful tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents, or in another form acceptable to the County.
- 2.29.2 Failure of the successful tenderer to comply with the requirements of paragraph 2.28 or paragraph 2.29 shall constitute sufficient grounds for the annulment of the



award and forfeiture of the tender security, in which event the County may make the award to the next lowest evaluated Candidate or call for new tenders.

2.30 Corrupt or Fraudulent Practices

- 2.30.1 The County requires that tenderers observe the highest standard of ethics during the procurement process and execution of contracts. A tenderer shall sign a declaration that he has and will not be involved in corrupt or fraudulent practices.
- 3.30.2 The County will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
- 3.30.3 Further a tenderer who is found to have indulged in corrupt or 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 TENDERERS REFERENCE	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
2.1.1	This Invitation for Tenders is open to all tenderers eligible as described below:
	(a) the person has the legal capacity to enter into a contract for procurement or asset disposal;
	(b) the person is not insolvent, in receivership, bankrupt or in the process of being wound up;
	(c) the person, if a member of a regulated profession, has satisfied all the professional requirements;
	(d) the procuring entity is not precluded from entering into the contract with the person under section 38 of PPAD Act (MUST complete the attached form);
	(e) 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);
	(f) the person has fulfilled tax obligations;
	(g) the person has not been convicted of corrupt or fraudulent practices; and
	(h) is not guilty of any serious violation of fair employment laws
	and practices.
2.4.2	Tenderers are required to provide copies of the following documents:
	a) Audited Financial Accounts for the last two years 2018-2020.
	b) Certified Copy of Certificate of Incorporation/Registration.c) Certified Copy of Current Tax Compliance certificate from Kenya Revenue Authority.
	d) KRA Pin Certificate.
	e) Certified Copy of Valid and current Business Permit.
	f) Disclosure of business ownership (Directors/ Partners /Sole Proprietor). Attach a copy of CR12 Form
2.14.1	The tender security shall be 2% of the tender amount and
2 ,17,1	submitted in any of the following forms:
	a) Cash

2.18.1	 b) A bank guarantee c) Such insurance guarantee approved by the Authority (PPRA) d) Letter of credit. Tenders will close on Wednesday 23rd June, 2021 at 11.00 a.m.
2.20.1	Tenders will open on Wednesday 23 rd June, 2021 at 11:00 a.m.
2.29.1	The successful tenderer will be required to submit a not less than two years warranty for the equipment supplied and installed.
2.4.1	No advance payment acceptable for this tender
2.5.1	The inquiry address is hereby given as P.O BOX 74 – 80500 LAMU. Only written inquiries are accepted
2.13.3	 Documentary evidence for those submitting tenders for the Desalination Plant shall comprise of: a) Written brochures/literature/pamphlets b) Drawings c) Equipment Data Sheet d) Performance charts, and e) Explanations/comments on how equipment responds to specifications f) CVs for 2 management/ technical persons g) Work plan/schedule
2.15.1	Tenders validity shall be 120 days from the date of Tender Opening
2.17.1	Tenders shall be submitted electronically through the IFMIS at supplier.treasury.go.ke.
2.22.2	Price offers as read during Tender Opening shall be evaluated as is without conducting arithmetic checks
2.26 (a)	Post-qualification shall not be done.
2.26.4	Qualification criteria has been detailed further in Section VIII of this Tender Document (Evaluation Criteria)

SECTION III:

GENERAL CONDITIONS OF CONTRACT

Table of Clauses

Page

3.1	Definitions	25
3.2	Application	25
3.3	Country of Origin	25
3.4	Standards	26
3.5	Use of Contract Documents and Information	26
3.6	Patent Rights	26
3.7	Performance Security	26
3.8	Inspection and Tests	27
3.9	Packing	28
3.10	Delivery and Documents	28
3.11	Insurance	28
3.12	Payment	28
3.13	Price	29
3.14	Assignments	29
3.15	Sub contracts	29
3.16	Termination for Default	29
3.17	Liquidated Damages	30
3.18	Resolution of Disputes	30
3.19	Language and law	30
3.20	Force Majeure	30
3.21	Notices	30

SECTION III- GENERAL CONDITIONS OF CONTRACT

3.1 Definitions

- 3.1.1 In this Contract, the following terms shall be interpreted as indicated:-
 - (a) "The Contract" means the agreement entered into between the County and the tenderer, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - (b) "The Contract Price" means the price payable to the tenderer under the Contract for the full and proper performance of its contractual obligations
 - (c) "The Goods" means all of the equipment, machinery, and/or other materials, which the tenderer is required to supply to the County under the Contract.
 - (d) "The County" means the organization purchasing the Goods under this Contract.
 - (e) "The Tenderer' means the individual or firm supplying the Goods under this Contract.

3.2 Application

3.2.1 These General Conditions shall apply in all Contracts made by the County for the procurement installation and commissioning of equipment to the extent that they are not superceded by provisions of other part of contract.

3.3 Country of Origin

- 3.3.1 For purposes of this clause, "Origin" means the place where the Goods were mined, grown or produced.
- 3.3.2 The origin of Goods and Services is distinct from the nationality of the tenderer and will be treated thus in the evaluation of the tender.

3.4 Standards

3.4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications.

3.5 Use of Contract Documents and Information

3.5.1 The Candidate shall not, without the County's prior written consent, disclose the Contract, or any provision therefore, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the County in connection therewith, to any person other than a person employed by the tenderer in the performance of the Contract.

- 3.5.2 The tenderer shall not, without the County's prior written consent, make use of any document or information enumerated in paragraph 3.5.1 above
- 3.5.3 Any document, other than the Contract itself, enumerated in paragraph 3.5.1 shall remain the property of the County and shall be returned (all copies) to the County on completion of the Tenderer's performance under the Contract if so required by the County

3.6 Patent Rights

3.6.1 The tenderer shall indemnify the County against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the County's country

3.7 Performance Security

- 3.7.1 Within twenty eight (28) days of receipt of the notification of Contract award, the successful tenderer shall furnish to the County the performance security where applicable in the amount specified in Special Conditions of Contract.
- 3.7.2 The proceeds of the performance security shall be payable to the County as compensation for any loss resulting from the Tenderer's failure to complete its obligations under the Contract.
- 3.7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the County and shall be in the form of
 - a) Cash
 - b) Bank guarantee
 - c) Such insurance guarantee approved by the Authority
 - d) Letter of credit
- 3.7.4 The performance security will be discharged by the County and returned to the Candidate not late than thirty (30) days following the date of completion of the Tenderer's performance obligations under the Contract, including any warranty obligations, under the Contract

3.8 Inspection and Tests

3.8.1 The County or its representative shall have the right to inspect and/or to test the equipment to confirm their conformity to the Contract specifications. The County shall notify the tenderer in writing in a timely manner, of the identity of any representatives retained for these purposes.

- 3.8.2 The inspections and tests may be conducted in the premises of the tenderer. All reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the County.
- 3.8.3 Should any inspected or tested equipment fail to conform to the Specifications, the County may reject the equipment, and the tenderer shall either replace the rejected equipment or make alterations necessary to make specification requirements free of costs to the County.
- 3.8.4 The County's right to inspect test and where necessary, reject the equipment after the equipment arrival and installation shall in no way be limited or waived by reason of the equipment having previously been inspected, tested and passed by the County or its representative prior to the equipment delivery.
- 3.8.5 Nothing in paragraph 3.8 shall in any way release the tenderer from any warranty or other obligations under this Contract.

3.9 Packing

- 3.9.1 The tenderer shall provide such packing and packaging of the equipment as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.
- 3.9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract

3.10 Delivery and Documents

3.10.1 Delivery of the equipment, documents and installation of the same shall be made by the tenderer in accordance with the terms specified by The County in its Schedule of Requirements and the Special Conditions of Contract

3.11 Insurance

3.11.1 The equipment supplied under the Contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage, and delivery in the manner specified in the Special conditions of contract.

3.12 Payment

- 3.12.1 The method and conditions of payment to be made to the tenderer under this Contract shall be specified in Special Conditions of Contract
- 3.12.2 Payments shall be made promptly by the County as specified in the Contract

3.13 Prices

- 3.13.1 Prices charged by the tenderer for equipment delivered and installation performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tenderer in its tender.
- 3.13.2 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)
- 3.13.3 Where contract price variation is allowed, the variation shall not exceed 10% of the original contract price.
- 3.13.4 Price variation requests shall be processed by the County within 30 days of receiving the request.

3.14. Assignment

The tenderer shall not assign, in whole or in part, its obligations to perform under this Contract, except with the County's prior written consent

3.15. Subcontracts

3.15.1 The tenderer shall notify the County in writing of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in the original tender or later, shall not relieve the tenderer from any liability or obligation under the Contract

3.16. Termination for Default

- 3.16.1 The County may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tenderer, terminate this Contract in whole or in part
 - (a) if the tenderer fails to deliver any or all of the equipment within the period9s) specified in the Contract, or within any extension thereof granted by the County
 - (b) if the tenderer fails to perform any other obligation(s) under the Contract
 - (c) if the tenderer, in the judgment of the County has engaged in corrupt or fraudulent practices in competing for or in executing the Contract
- 3.16.2 In the event the County terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, equipment similar to those undelivered, and the tenderer shall be liable to the County for any excess costs for such similar equipment.

3.17. Termination for convenience

3.18. Liquidated Damages

3.18.1 If the tenderer fails to deliver and/or install any or all of the items within the period(s) specified in the contract, the County shall, without prejudice to its other remedies under the contract, deduct from the contract prices liquidated damages sum equivalent to 0.5% of the delivered price of the delayed items up to a maximum deduction of 10% of the delayed goods. After this the tenderer may consider termination of the contract.

3.19. Resolution of Disputes

- 3.19.1 The County and the tenderer shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract
- 3.19.2 If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the SCC.

3.20. Language and Law

3.20.1 The language of the contract and the law governing the contract shall be English language and the Laws of Kenya respectively unless otherwise specified in the SCC

3.21. Force Majeure

3.21.1 The Tenderer shall not be liable for forfeiture of its performance security or termination for default if and to the extent that it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

3.22 Notices

- 3.22.1 Any notice given by one party to the other pursuant to this contract shall be sent to other party by post or by fax or Email and confirmed in writing to the other party's address specified.
- 3.22.2 A notice shall be effective when delivered or on the notices effective date, whichever is later.

SECTION IV - SPECIAL CONDITIONS OF CONTRACT

- 4.1 Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, between the GCC and the SCC, the provisions of the SCC herein shall prevail over these in the GCC.
- 4.2 Special conditions of contract as relates to the GCC

REFERENCE OF GCC	SPECIAL CONDITIONS OF CONTRACT		
3.7.1	 The performance security shall be 10% of the contrac amount in Kenya Shillings, or in a freely convertible currency acceptable to the County and shall be in the form of : a) Bank guarantee b) Such insurance guarantee approved by the Authority 		
3.12.1	Payment shall be done after testing and inspection of the equipment and other works		
3.18.1	Disputes shall be resolved through arbitration and could further proceed to high court as would be appropriate.		

SECTION V - SCHEDULE OF REQUIREMENTS AND PRICES

No.	Item Description	Quantity	Unit Price Kshs	Installation Period	Price Kshs.	Total Price Kshs.
1.	Supply, Delivery and Installation of Faza Desalination Plant	1No.		2 Month		
2.	Construction of Desalination Plant House.	1No.		1 Month		
					Total Price Kshs. Inclusive VAT	

Authorized Official:

Name

Signature

Date

SECTION VI- TECHNICAL SPECIFICATIONS

6.1 <u>GENERAL</u>

- 6.1.1. These specifications describe the basic requirements for equipment. Tenderers are requested to submit with their offers the detailed specifications, drawings, catalogues, etc for the products they intend to supply.
- 6.1.2 Tenderers must indicate on the specifications sheets whether the equipment offered comply with each specific requirement.
- 6.1.3 All the dimensions and capacities of the equipment to be supplied shall not be less than those required in these specifications. Deviations from the basic requirements, if any, shall be explained in detail in writing with the offer, with supporting data such as calculation sheets, etc. The County reserves the right to reject the products, if such deviations shall be found critical to the use and operation of the products
- 6.1.4 The tenderers are requested to present information along with their offers as follows ;-
 - (i) Shortest possible delivery period of each product
 - (ii) Information on proper representative and/or workshop for back-up service/repair and maintenance including their names and addresses

Evaluation Criteria

	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 for Electrical engineering services and Mechanical engineering services. 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. 	
2	TECHNICAL/GENERAL REQUIREMENTS 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 a) Access to line(s) of credit. (3 Points) b) Indicate appointed bankers showing the name, address, contact person and address of bidder's bankers. (2 Points) c) Letter of authority from the bidder authorizing the County Government of Lamu to seek reference from the bidder's bankers. (3 Points) d) Bank statements for the last twelve months. (2 Points) 	10
4	 Details of experience and past performance on at least one (1) project of a similar nature within the last five years (2015-2020), 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 evidence/proof of contract) Name of the project of similar nature – (@ 5 point * 1 = 5 Points) Address of Project – (@ 3 point *1 = 3 Points) Contact persons – (@ 1 point * 1 = 1 Point) 	20

	TOTAL	80
	c) Provide a written document extending 2 years (two) warranty for the equipment to the County Government of Lamu. (6 marks)	
	be supplied. (6marks)	
	b) Provide Manufacturers Brochures with details of the proposed equipment to	
10.	a) Accurately filled, signed and stamped Manufacturers Authorization (3 marks)	15
10.	Provide the following documents of the proposed plant equipment;	
9	Attach Audited Financial Accounts for the last two years. (2018-2020) (6marks)	6
	tenderer is involved, the parties concerned and disputed amount if any. (5 marks)	
8	Information regarding any litigation, current or during the last 5 years, in which the	5
	for the key staff (6 marks)	
,	proposed to undertake this work. <i>Attach the CVs and Certificates of qualifications</i>	6
7	c) The charts, as necessary (1 marks). Qualifications and experience of two key site management and technical personnel	
	b) The drawings (1 marks).	
	a) Method and schedule (1 marks).	
	work; i.e.	
6	Bidder to provide a preliminary description of the proposed	3
	supporting evidence. (3 Points).	
	b) Work plan/schedule (1 marks)c) List of equipment and state if the equipment is owned or leased and attach	
	a) Performance charts, (1 marks)	
5	Documentary evidence for those submitting tenders for this works shall comprise of;	5
	and completion certificate. (10 Points)	
	- Proof of Such Contracts (Attach award letters/LPOs /LSOs/Signed Contracts	
	- The Project Value- (@ 1 Points * 1= 1 Point)	

Evaluation criteria

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 lowest quoted bidder.**

Bill of Quantities

for

Supply, Delivery and Installation of 5m³/hr Desalination Plant and Construction of Plant House at Faza Water Station

TECHNICAL SPECIFICATIONS FOR SUPPLY AND INSTALLATION OF WATER TREATMENT EQUIPMENT AT FAZA

Requirements

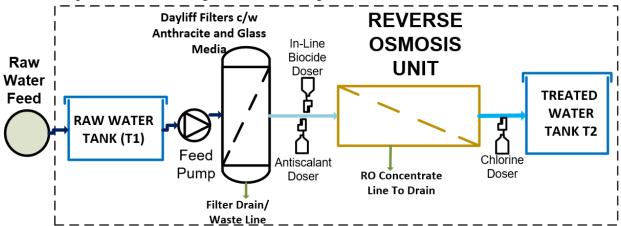
The Desalination that is required is a suitable water treatment plant that can deliver 5,000 litres per hour $(5m^3/hr)$.

Treatment Process

The proposed design will consist of the following processes

- Media Filtration
- Reverse Osmosis (RO)
- Post-Disinfection

These are depicted in the following schematic drawing;



Process description

- Incoming raw water from a tank (client shall supply the tank) shall be pumped through anthracite and glass media filter for removal of suspended solids.
- > To prevent bio-fouling of RO membranes by the presence of bacteria in raw water, Kuriverter biocide or equivalent shall be dosed inline prior to the membranes.
- To prevent scaling of the RO membranes, it shall be important to dose an antiscalant into the water before the water goes into the RO. Genesys LF Antiscalant or equivalent shall therefore, be added continuously into the system before the RO.
- Pre-treated water shall then be passed through a Reverse Osmosis Unit to reduce the parameters identified to be outside the limit to acceptable levels.
- Treated water shall be dosed with chlorine for post disinfection before stored in a treated water tank (client shall supply the clean water tank for storage).
 Equipment description

For the above scope, the treatment system will include the supply of the following equipment *Pre-Treatment*

> I No. PXD 900 Filter c/w glass and anthracite media or equivalent

Main Treatment

- ➢ 1No. feed pump.
- > 1No. Antiscalant dosing pump complete with the chemical tank
- > 1No. Biocide dosing pump complete with the chemical tank
- > 1No. Desalination Reverse osmosis (RO) unit capable of delivering **5m³/hr**. or equivalent.
- Basic monitoring system
- > 1No. Clean In place (CIP) system complete with chemical tank and pump.

Mandatory Accessories to supply

- > 2No. PVC tank 25m³ (Raw water and treated water)
- > 1No. PVC tank 10m3 (Dilution tank)
- > 20No. PVC pipes and fittings

EQUIPMENT LITERATURE

Pre-Treatment-Media Filtration

PXD filter is made of structural fiberglass (Bobin Wound) pressure vessels designed for high-pressure operations of up to 10bar. The vessel will include an automated Multi-Port Valve (MPV) for the operation of the cycles such as filtration, backwash, and rinsing of the filter. The filtration media shall be anthracite media.



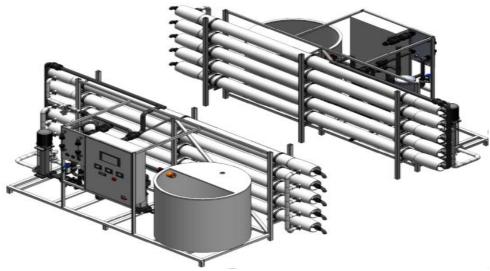
Filter with Anthracite and Glass Media Respectively

Reverse Osmosis (RO)

Reverse Osmosis (RO) is a process in which purified water (**permeate**) is produced from the feed water via rejection of all organic and inorganic constituents by a semi-permeable membrane system. The RO system separates the incoming feed stream into two effluent streams:

- ➤ The permeate (treated water) passes through Reverse Osmosis membranes and thus contains greatly reduced quantities of dissolved mineral salts and organics for use (typically ≥ 96% rejection ratio).
- A ratio of permeate to feed water gives the system recovery The designed recovery of the RO machine is estimated at 35-50% based on the submitted analysis report (*due to the high saline nature of raw water*).
- The <u>concentrate</u> (reject water) is the stream that passes tangentially across the membrane surface and thus retains the impurities separated from the permeate stream. A certain minimum flow of 'concentrate' is necessary to keep the RO membranes from 'fouling' due to the removed mineral salts and organic contents.

Below shows a RO Layout



Reverse Osmosis Plant Layout.

WATER TREATMENT EQUIPMENT COMPONENTS INCLUDED

1.	Remote monitoring unit DRO-M 5M3/HR complete with Corrosion resistant Danfoss high-pressure pump. 16No. membranes and High pressure Duplex steel piping and fittings on high-pressure side and can handle chloride levels >1,000ppm. PVC low pressure piping on the feed side to prevent against corrosion. Raw Water feed TDS up to 25,000ppm	1
2.	 RO CONTROL PANEL with the following features VFD for high-pressure pump. Reverse osmosis permeate flushing system pH meter Feed and permeate TDS meters Basic plant monitoring or equivalent. 	
3.	FEED PUMP Non corrosive feed pump with the capacity to deliver necessary flow rate and pressure as required by the reverse osmosis plant	1
4.	CARBON FILTER with glass and carbon media and manual multiport valve.	
5.	CHEMICAL DOSAGE SYSTEM complete Grundfos or its equivalent DDE pumps & chemical tanks. Startup chemical supply of antiscalant, online biocide, chlorine and pH adjustment chemical for a period of 1 month from date of commissioning.	4
6.	CLEAN IN PLACE (CIP) SYSTEM complete with CIP tank & corrosion resistant CIP pump	1
7.	DELIVERY & POSITIONING OF EQUIPMENT	1
8.	INSTALLATION MATERIALS & SUNDRIES	1

9.	INSTALLATION LABOUR CHARGES	1
10.	TESTING, TRAINING & COMMISSIONING	1

Scope of works

The scope of works is summarized below

GENERATOR TECHNICAL SPECIFICATION

80KVA CUMMINS GENERATOR

To supply **80kVA** Prime rated, 415V 3phase 4 wire Cummins diesel engine powered generator model **DGY64C** powered by **Cummins 4BTA3.9-G11** heavy duty engine close coupled to brushless, self-exciting, self-regulating, screen protection and drip proof high efficiency **SLG alternator** and fitted with microprocessor based **Deep-Sea 6120 MKIII** Generator control module.

DSE6120 module to:

- monitor the generator and indicate operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition.
- system alarms annunciated on the LCD screen, illuminated LED and audible sounder.

Genset to be supplied enclosed in a soundproof enclosure complete with fixed output breaker, appropriately wired and load tested at the factory for proper operation.

Genset manufactured to GB/T2820-5 which is equal to ISO8528-5 performance level and complies to key international standards including:

- ISO 8528 Which describes performance measurement
- ISO 3046 Which deals with power ratings, fuel consumption, vibration and test methods.
- IEC 34-1 Which specifies requirements for rotating electrical machines

Genset conforms to various international standards related to CE amongst which are:

- 2006/42/EC on Machinery
- 2014/35/EU on Low Voltage
- 2014/30/EU on Electromagnetic compatibility

Genset Features:

Engine

- o Robust and low fuel consumption Cummins NT855-GA engine
- World class Cummins manufacturing facility with the worldwide warranty and after sales support
- Proven durability and reliability
- o Dependable and fuel tolerant Cummins PT injection system
- Elaborate engine protection using DSE module
- Simple to operate and maintain engines
- Readily available spare parts & full product support

Alternator

- UL Listed 4 Pole single bearing SLG alternators with lifetime lubricated bearings
- o Fixed stator with skewed slots for optimal performance
- \circ 2/3rd pitch for reduced harmonic content THF <2%
- Manufactured in accordance with international standards such as IEC 34-1, EN 60034-1, VDE 0530
- Class H standard Insulation with tropicalized epoxy resins impregnation for improved moisture protection



Control Module - DSE6020/6120 MKIII

- Easy to operate Deep-sea control module
- Elaborate controls for engine and alternator including automatic shutdown protection
- Proven durability and reliability
- o Full product support from Davis and Shirtliff

Engine Instrumentation

DE Des ha factures 41 Liffe 0 0 0 0 0 0 0 0 0

Genset fitted with a microprocessor-based **Deep-sea 6020/6120** control module designed for ease of operation, troubleshooting and safety of user. Module allows for local and remote monitoring and control of the generator set and comprises Mode Select Switch that has the following modes:

- ➤ Manual
- ➢ Stop/ Reset
- > Auto

The digital module provides digital metering of:

- Genset Volts (Line and Phase)
- Mains Voltage (Line and Phase)
- Output Current
- ➢ Frequency
- Output Power kW and kWh
- Power factor
- Engine water temperature (°C)
- ≻ Engine speed (r/min)
- ➢ Battery voltage (V)
- Output frequency (Hz)
- Engine hours run (H min)

Protection:

Automatically provide a warning alarm and shut down the generator under the following conditions:

- ➢ Low Oil Pressure
- ➤ High Water Temperature
- > Over/ Under speed
- ➢ Failure to start after three attempts

Silent Canopy

Fitted with sound and weather-proof canopies. Customized enclosure to allow easy access to the engine for maintenance while at the same time ensuring low noise level using high density sound absorbing material and highly effective aeration system.

Enclosures to be sound-attenuated and weather-protective and manufactured from galvanized steel sheet (polyester powder painted for rust proof protection).



Generator Rating

Rated power in accordance with rating definitions to ISO 8528-1.

Prime Power	80kVA
Voltage	415 Volts 3 Phase 4 Wire
Speed	1500 rpm, 50Hz

INSTALLATION WORKS

Electrical Works

This shall involve:

- Supply, laying and termination of 16mm² x 4 core power cable selected to suit connected load
- Electrical wiring between Genset Water Treatment unit control panel
- Equipment grounding to approved standards and Testing, commissioning and training of users.

Mechanical Works

This shall involve:

- Equipment delivery, offloading and positioning
- Exhaust pipe extension to get exhaust gases out of the plant room
- Hot air ducting to within 2m of genset to improve plantroom ventilation

Civil Works

We have made no provision whatsoever for works of civil nature including trenching, backfilling, concrete work and minor repairs to make good, disturbed surfaces. Where this is required, it shall be the responsibility of others (the client) to undertake.

We outline responsibilities as follows:

Project Tasks	<u>Responsibility</u>
Provision of plant room	Client/Others
Delivery and positioning of the generator	Supplier
Genset Installation	Supplier
Testing, commissioning & handover	Supplier
Security of equipment at site	Client/Others
Provision of storage during installation	Client/Others

1.1 Equipment Commissioning

- To conduct test run to verify that the equipment is performing as expected.
- To train client appointed equipment operator(s) on operation and maintenance.
- Upon successful completion of training, to hand over to the client (although Davis & Shirtliff will be on standby to attend to any reported issue).

BILL A – SUPPLY, DELIVERY AND INSTALLATION OF 5M3/HR DESALINATION PLANT AT FAZA WATER STATION

Item No.	Description	Unit	Qty	Rate	Amount(Kes)
1.	 MAIN TREATMENT a) DESALINATION PLANT 5M3/HR complete with Corrosion resistant Danfoss high-pressure pump. 8" Sea Water Dow Film Tec membranes. High pressure Duplex steel piping and fittings on high-pressure side and can handle chloride levels >1,000pm PVC low pressure piping on the feed side to prevent against corrosion. Raw Water feed TDS up to 25,000ppm b) RO CONTROL PANEL with the following features VFD for high-pressure pump. Reverse osmosis permeate flushing system pH meter Feed and permeate TDS meters Basic plant monitoring or equivalent. c) CHEMICAL DOSAGE SYSTEM complete Grundfos DDE pumps & chemical tanks for antiscalant, biocide and post chlorination d) Startup chemical supply of antiscalant, biocide and chlorine for a period of 1 month from date of installation. e) CLEAN IN PLACE (CIP) SYSTEM complete with CIP tank. 	Ls	1		
2.	RO PRE-TREATMENT a) 1No. Grundfos CRT Feed pump - Noncorrosive feed pump with the capacity to deliver necessary flow rate and pressure as required by the reverse osmosis plant b) Manual PXD Filter to achieve best filtration efficiency c) Anthracite and Glass media capable of effective suspended solid removal up to 20micron.	Ls	1		
3.	Delivery & Positioning of Equipment	Ls	1		
4.	Installation Materials & Sundries	Ls	1		
5.	Installation Labour Charges, Testing, Training & Commissioning	Ls	1		
	SUB-TOTAL CARRI	IED T() NEX	I' PAGE	

	BILL B – SUPPLY AND DELIVERY OF ACCESSORIES						
ITEM	DESCRIPTION	UNI	QTY	RATE	AMOUNT(KES)		
1	Supply and delivery of 90mm PVC Class D and accessories	No.	20				
2.	Supply and delivery of 25m ³ PVC tank for Raw water and Treated Water	No.	2				
3.	Supply and delivery of 10m ³ PVC tank for concentrate dilution before discharge	No.	1				
	SUB-TOTAL CARRIED TO COLLECTION SUMMARY						

	BILL C – SUPPLY, DELIVERY AND INSTALLATION OF 80Kva DIESEL GENERATOR				
ITEM NO.	DESCRIPTION	UNI T	QTY	RATE	AMOUNT (KES)
1	Supply, deliver to site, install, test and commission a prime rated 80KVA, 415V 3phase, 50Hz diesel generating set with a 4 wire Cummins diesel engine powered generator model DGY64C. The set is powered by Cummins 4BTA3.9-G11 heavy duty engine close coupled to brushless, self-exciting, self-regulating, screen protection and drip proof high efficiency SLG alternator and fitted with microprocessor based Deep-Sea 6120 MKIII Generator control module. The generator set is to be complete with a sound attenuated canopy and an integral base service fuel tank.	No.	1		
2	Supply, laying and termination of 16mm ² x 4 core power cable	М	20		
3	Supply, install a steel exhaust pipe of adequate diameter running from the generating set to the exterior of the generator house to exhaust waste gases.	Ls	1		
4	Hot air ducting to within 2m of genset to improve plantroom ventilation.	Ls	1		
5	Complete earthing of generating set to electrical engineer's approval.	Ls	1		
6	Installation materials and sundries	Ls	1		
7	Allow for delivery and positioning of equipment at Faza Island, Lamu.	Ls	1		
8	Allow for installation, testing and commissioning	Ls	1		
	SUB-TOTAL CAR	RRIED	TO SU	MMARY	

	BILL D: CONSTRUCTION	OF PLAN	NT HOUSE		
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Plant House				
	SUPERSTRUCTURE				
	WALLING				
	Masonry walls bedded and jointed in cement and				
	sand (1:4) mortar in:				
1	200mm thick walls reinforced with 32 x 2mm hoop iron	SM	111		
	every alternate course				
2	Provide vents in WINDOWS and above beams	No	12		
	with wire gauze and 25mmx400mm approximately in				
	all vents above the lintels compartment as permanent				
	ventilation				
	Ring Beam				
3	Concrete Class 20/20 for Ring Beam	M ³	6		
	Reinforcements				
4	High yield reinforcement bars				
	Y12	kg	250		
	Y8	kg	117		
	Formwork				
5	Sawn Formwork for Lintels	SM	59		
	TOTAL FOR WALLING CARRIED TO NEXT				
	PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	ROOF CONSTRUCTION				
	The following in assorted timber trusses hoisting and fixing in position 2500 mm above ground floor include all necessary jointing				
1	150x50 Rafters (Top Member), and Tie Beam	LM	123		
2	100x50 Struts	LM	55		
3	Purlins 75X50 Purlins	LM	86		
	Ridge Boad				
4	225x25mm Ridge Board	LM	9		
5	Wall plate 100X50 Wall plate	LM	28		
6	Fascia Board 200x25mm Fascia board	LM	34		
	IT4 Sheets :-				
7	28 gauge roof covering sheets fixed onto timber purlins (m.s)	SM	74		
8	Matching ridge capping	LM	9		
8	Matching ridge capping TOTAL FOR ROOF CONSTRUCTION CARRIED				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	EXTERNAL OPENINGS				
	OF ENINGS				
	DOOR				
	Wrot				
	cypress				
1	50mm thick Double leaf panel door size 2000x2100mm	NO	1		
	high				
	Door frames and				
	finishings				
	Wrot				
	mahogany		_		
2	Ex. 200x50mm rebated frame	LM	5		
3	50x25mm architrave	LM	5		
4	15mm quadrant	LM	5		
	Ironmongery				
	Supply the following items of ironmongery with				
	matching screw stall as "union" or any other				
	equal				
	and				
	approved:				
5	100mm pressed steel butt hinges	Pcs	12		
6	Three lever mortice lock complete with set of lever	No	1		
	handles with brass finish ref. NO. 2277				
7	Rubber door stop ref. NO.8400	No	2		
	Painting:-				
	Prepare and apply two undercoats one finishing coat				
	gloss oil paint				
	to:-				
8	General wood surfaces	SM	12		
9	Wood surfaces 100-200mm girth	LM	35		
-	Prepare and apply aluminium wood primer to				
	backs				
	of wood before fixing them				
10	Wood surfaces 100-200mm girth	LM	35		
	1. ood surfaces 100 Zoonningitui	1.711	55		
	TOTAL FOR EXTERNAL OPENINGS CARRIED T	O NEXT I	PAGE		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	WINDOWS				
	Supply and fix bricks ventilations				
1	Windows(ventilation) size 2000x2100mm high(W1)	NO	2		
2	Ditto (ventilation) size 1400x2100mm high(W2)	NO	5		
	<u>Painting</u>				
	Touch up manufactures priming coat prepare and				
	apply two undercoats and one finishing coat gloss oil paint to:-				
3	Glazed metal surface(measured ove glass)	SM	9		
	TOTAL FOR EXTERNAL OPENINGS CARRIED TO N	EXT PAGI	E		

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Balance Brought Forward				
	FINISHES				
1	INTERNAL WALL FINISHES 40mm thick 1:4 Cement Sand render to wall	CM	162		
1 2	10mm thick cement screed to Wall	SM SM	163 163		
2	Tomm the cement screed to wan	21/1	105		
	Painting				
	Prepare and apply three coats first quality plastic				
	emulsion paint to:-				
3	Internal Walls	SM	163		
	EXTERNAL WALL FINISHES				
4	40mm thick 1:4 Cement Sand render to ring beam	SM	68		
	Deinting				
	Painting Prepare and apply three coats first quality plastic				
	emulsion paint to:-				
5	Ring Beam	SM	11		
-		2112			
6	Provisional sum for construction and cladding of fire	PC SUM	1		
	place and chimney				
	FLOOR FINISHES				
	& PAVEMENT				
7	SLAB	CM	50		
7	40mm thick 1:4 Cement Sand render to floor	SM	50		
8	5mm thick cement screed to floor	SM	50		
0	Shim there cement served to noor	1416	50		
9	Ditto, but 100mm high skirting	LM	65		
-	,				
	Allow for 600mm width pavement around the plant				
10	house	LM	19	ļ	
	CEILING FINISHES				
	SUSPENDED CEILINGS				
11		SM	50		
	50x50mm Rendering on trusses at 600mm c/c to receive ceiling board	2141	30		
	locard coming board				
12	12mm soft board suspended at height of 2700mm	SM	50		
	above and finished floor level	~			
13	Cornice	LM	65		
	Painting_				
	Prepare and apply three coats first quality plastic				
14	emulsion paint to:-		50		
14	Ceiling Board	SM	50	I	
	TOTAL FOR CEILING FINISHES CARRIED TO NEXT	rage			

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
Item	Balance Brought Forward		Qıy	Rate (RSIIS)	Allount (KSIIS)
	ELECTRICAL INSTALLATION WORKS				
	PVC/SWA/PVC Copper cables per meter		25		
A B	25mm sq. 4 core	LM LM	35 35		
D	95mm sq. 4 core		33		
	LIGHTING POINTS AND SWITCHES				
С	2				
_	Lighting points wired in $3x1.5 \text{ mm}^2$ PVC/SC cables				
	drawn in 20 mm Ø concealed HG PVC conduits complete with all necessary accessories but				
	excluding switches for:				
			-		
	i) One way switching	No.	6		
	ii) Two Way with Intermediate Switching	No.	2		
D	10A moulded ivory type switch plates as MK range or				
	approved equivalent as follows:				
	i) One gang one way	No.	6		
	ii) One gang two way	No.	2		
Б	LIGHTING FITTINGS				
Ε	Lighting fittings as follows: i)Single Light Bulb	No.	7		
		110.	,		
F	Socket outlet power points comprising wiring in 3 x	No	5		
	2.5mm ² PVC/SC copper cables drawn in 25mm Ø				
	CONCEALED HG PVC conduits including all conduit				
	accessories but excluding plates				
G	13A molded socket outlet plates as Crabtree or				
	approved equivalent as follows	No	2		
	i)Twin switched	No	2		
Н	15A Single switched socket outlet plates as Crabtree or				
	approved equivalent	No	2		
			150		
Ι	50mmØ PVC HG conduits	LM	150		
	METER BOARD				
J	100 Amps TPN MCCB as MEM or approved Equivalent	No.	1		
	EARTHING				
K	Earthing of the meter board and the installation	No	2		
	comprising of the following 15mm x 1800mm earth				
	rod as FURSE cat. No. RB 105				
-	otal for Electrical Works	· ·			•

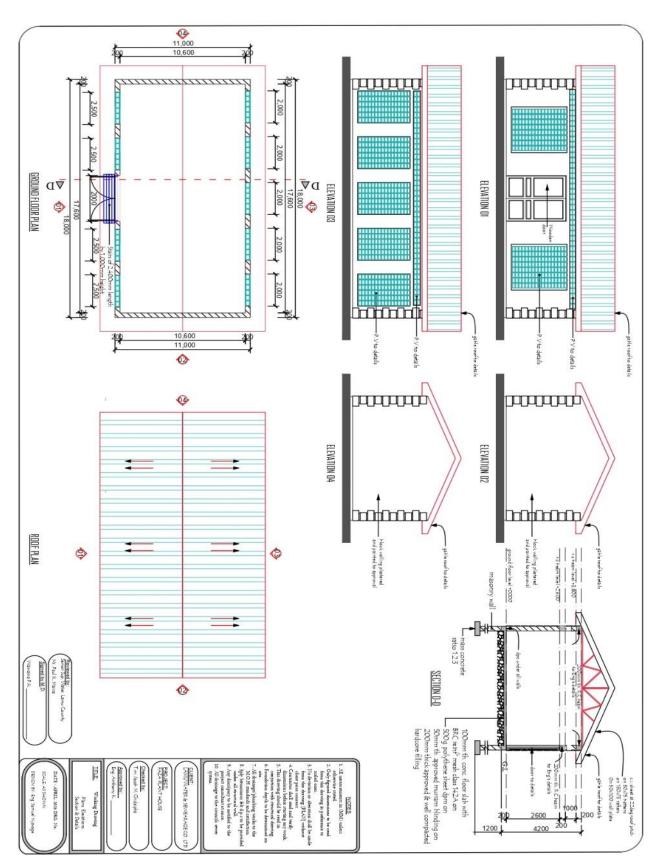
Total for Electrical Works

I

GENERAL SUMMARY

BOQ ITEM.	DESCRIPTION	AMOUNT (KSHS)
	SUPPLY, DELIVERY AND INSTALLATION OF	
BILL (A)	5M3/HR DESALINATION PLANT AT FAZA	
	WATER STATION	
BILL (B)	BILL B – SUPPLY AND DELIVERY OF	
DILL (D)	ACCESSORIES	
BILL (C)	SUPPLY, DELIVERY, AND INSTALLATION OF	
BILL (C)	80KVa DIESEL GENERATOR	
BILL (D)	CONSTRUCTION OF PLANT HOUSE	
	ADMINISTRATIVE COSTS	200,000
	SUB-TOTAL	
	ADD 16% VAT	
	GRAND TOTAL KSHS	
	Inclusive of VAT	

PLANTROOM DRAWINGS



7.1 FORM OF TENDER

TO:_____ [Name of Employer)____[Date]

[Name of Contract]

Gentlemen and/or Ladies:

2. We undertake, if our Tender is accepted, to deliver install and commission the equipment in accordance with the delivery schedule specified in the Schedule of Requirements.

4. We agree to abide by this Tender for a period of [*number*] days from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. This Tender, together with your written acceptance thereof and your notification of award, shall constitute a Contract, between us. Subject to signing of the Contract by the parties.

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

Dated this _____ day of _____ 20 ____

[signature]

[in the capacity of]

Duly authorized to sign tender for an on behalf of _____

52

7.2 CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

You are requested to give the particulars indicated in Part 1 and either Part 2(a), 2(b) or 2 (c) whichever applied 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.		
Plot No Street/Road		
Postal Address		
Nature of Business		
, Registration Certificate No.		
Maximum value of business which you can handle at any one time – Kshs.		
Name of your bankersBranch		

	Part 2 (a) – Sole Proprietor		
Your name in full		Age	
Nationality	Country of or	igin	
Citize	enship details	-	••••••
•			
P	art 2 (b) Partnership		
Given details of partners as fo	ollows:		
Name	Nationality	Citizenship Details	Shares
1	-	-	
2			
3			
	Part 2 (c) – Registered Com	oany	
Private or Public		•••••	
State the nominal and issued of	capital of company-		
Nominal Kshs.			
Issued Kshs.			
Given details of all directors a	as follows		
			53
			55

Name	Nationality	Citizenship Details	Shares
1			
2			
3			
5		<u></u>	
Date Seal/Signature of Candidate			<u>,</u>

7.3 TENDER SECURITY FORM

THE CONDITIONS of this obligation are:-

- 1. If the tenderer withdraws its Tender during the period of tender validity specified by the tenderer on the Tender Form; or
- 2. If the tenderer, having been notified of the acceptance of its Tender by the County during the period of tender validity:
 - (a) fails or refuses to execute the Contract Form, if required; or
 - (b) fails or refuses to furnish the performance security in accordance with the Instructions to tenderers;

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

This tender 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 above date.

[signature of the bank]

7.4 CONTRACT FORM

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:

2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz:

- (a) the Tender Form and the Price Schedule submitted by the tenderer
- (b) the Schedule of Requirements
- (c) the Technical Specifications
- (d) the General Conditions of Contract
- (e) the Special Conditions of contract; and
- (f) the County's Notification of Award

3. In consideration of the payments to be made by the County to the tenderer as hereinafter mentioned, the tenderer hereby covenants with the County to provide the goods and to remedy the defects therein in conformity in all respects with the provisions of this Contract

4. The County hereby covenants to pay the tenderer in consideration of the provisions of the goods 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 hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____the ____(for the County)

Signed, sealed, delivered by ______the _____(for the tenderer in the presence of ______

56

7.5 PERFORMANCE SECURITY FORM

To [name of **County**]

AND WHEREAS it has been stipulated by you in the said Contract that the tenderer shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Tenderer's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the tenderer a guarantee:

This guarantee is valid until the _____ day of _____ 20 ____

Signed and seal of the Guarantors

[name of bank or financial institution]

[address]

[date] (Amend accordingly if provided by Insurance Company)

7.6 BANK GUARANTEE FOR ADVANCE PAYMENT

To [name of **County**]

[name of tender]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends the General Conditions of Contract to provide for advance payment,

We further agree that no change or addition to or other modification of the terms of the Contract to be performed there-under or of any of the Contract documents which may be made between the County and the tenderer, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]



7.7 MANUFACTURER'S AUTHORIZATION FORM

To [*name of the County*]

..... name of the WHEREAS manufacturer] who are established and reputable manufacturers of [name and/or description of the goods] having factories at [address of factory] do hereby authorize subsequently negotiate and sign the Contract with you against tender No. us.

We hereby extend our full guarantee and warranty as per the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Tenders.

[signature for and on behalf of manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by an authorized person.

7.8. LETTER OF NOTIFICATION OF AWARD

Address of the County

To:_____

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.

- 1. Please acknowledge receipt of this letter of notification signifying your acceptance.
- 2. 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.
- 3. 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

FORM RB 1

REPUBLIC OF KENYA

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

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

BETWEEN

.....APPLICANT

AND

REQUEST FOR REVIEW

I/We.....,the above named Applicant(s), of address: Physical address.......Fax No.....Tel. No......Email, 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	.(Applican	t)
--------	------------	----

61

Dated on...../...20...

FOR OFFICIAL USE ONLY

Lodged with the Secretary Public Procurement Administrative Review Board on

...... day of20......

SIGNED Board Secretary

7.10 DECLARATION FORM

		Date
То		
The tenderer i.e. (n	ame and address)	
·		<u>d</u> eclare the following:
a) Has not been del	parred from participating in	public procurement.
· ·	olved in and will not be inv ng public procurement.	volved in corrupt and fraudulent
Title	Signature	Date
	C C	

(To be signed by authorized representative and officially stamped)