

REPUBLIC OF KENYA



MINISTRY OF TRANSPORT, INFRASTRUCTURE, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT

PROPOSED INSTALLATION OF 2 NO. ELECTRIC POWERED HIGH MAST FLOODLIGHTING STRUCTURES IN VARIOUS SITES IN THARAKA-NITHI COUNTY. GATUGATI MARKET AND KARAA MARKET

TENDER NO. MTHUD/SDHUD/SUD/29/2020-2021

TENDER DOCUMENTS

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APRIL, 2021

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SECTION I: INVITATION TO BID

Issue Date: 6th April, 2021

Tender Number: MTIHU DPW/SDHUD/SUD/029/2020/2021

Tender Name: Proposed Installation of 2 (Two) Number Electric Powered High Mast Flood Lighting Structures in Various Informal Settlements in Tharaka Nithi County.

The Government of Kenya through the Ministry of Transport, Infrastructure, Housing and Urban Development and Public Works, State Department for Housing and Urban Development intends to procure the **Proposed Installation of 2 (Two) Number Electric Powered High Mast Flood Lighting Structures in Various Informal Settlements in Tharaka-Nithi County.**

1. Interested bidders may access the bid documents from the State Department's website www.housingandurban.go.ke or the **Public Procurement Information Portal (PPIP)** <https://tenders.go.ke> free of charge from **6th April, 2021**. Bidders who download the documents from the website are required to inform the employer of their wish to submit their proposals. All enquiries and clarifications should be sent via email to: procurement@housingandurban.go.ke
2. Completed tender documents should be submitted accompanied by a bid security issued by a reputable bank and insurance/financial institution approved by PPRA in the amount **Kshs. 120,000.00** from the tender opening date. Failure to provide a bid security in the right format, correct value and validity period shall lead to disqualification of the bidder. Bid Security should be valid for a period of 180 days from date of submitting bid/closing date of tender.
3. Prices quoted shall be inclusive of duty and other taxes and shall remain valid for **150 calendar days** from the closing date of the tenders.
4. Completed Tender documents shall be submitted as follows; One Original and One Copy, which shall then be enclosed in one envelope marked "DO NOT OPEN BEFORE **20th April, 2021 11:00am** and shall be deposited in the Tender Box **located at Ardhi House, 6th Floor Lift Lobby**. Bulky documents shall be delivered and registered at the office of the **Head Supply Chain Management Services**, located on 6th Floor, Wing B, Ardhi House 1st Ngong Avenue, off Ngong Road.
5. The bid opening will be at **State Department for Housing and Urban Development Boardroom, located on 6th Floor - Ardhi House, 1st Ngong Avenue off Ngong Road on 20th April, 2021 at 11:00 am** in the presence of bidder's representatives who choose to attend.
6. Late bids will not be accepted and will be returned un-opened

**Head of Supply Chain Management Services
For: The Principal Secretary
State Department of Housing and Urban Development
Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works.
P.O. Box 30119 -00100**

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SECTION II: INSTRUCTION TO TENDERERS

A: GENERAL

1. Definitions

- (a) “Tenderer” means any persons, partnership firm or company submitting a sum or sums in the Bills of Quantities in accordance with the Instructions to Tenderers, Conditions of Contract Parts I and II, Specifications, Drawings and Bills of Quantities for the work contemplated, acting directly or through a legally appointed representative.
- (b) “Approved tenderer” means the tenderer who is approved by the Employer
- (c) Any noun or adjective derived from the word “tender” shall be read and construed to mean the corresponding form of the noun or adjective “bid”. Any conjugation of the verb “tender” shall be read and construed to mean the corresponding form of the verb “bid.”
- (d) “Employer” means the entity specified in the **Appendix to Instructions to Tenderers**

2. Eligibility and Qualification Requirements

2.1. Eligibility requirements

This invitation to tender is open to all tenderers who are eligible as specified in the **Appendix to Tenders**.

2.2. Qualification Requirements

To be qualified for award of Contract, the tenderer shall provide evidence satisfactory to the Employer of their eligibility under Sub clause 2.1. above and of their capability and adequacy of resources to effectively carry out the subject Contract. To this end, the tenderer shall be required to provide the following information and documentation as required in the **Appendix to Instructions to Tenderers**:

- (a) Details of experience and past performance of the tenderer on the works of a similar nature and details of current work on hand and other contractual commitments.
- (b) The qualifications and experience of key personnel proposed for administration and execution of the contract, both on and off site.
- (c) Major items of construction plant and equipment proposed for use in carrying out the Contract. Only reliable plant in good working order and suitable for the work required of it shall be shown on this schedule. The tenderer will also indicate on this schedule when each item will be available on the Works. Included also should be a schedule of plant, equipment and material to be imported for the purpose of the Contract, giving details of make, type, origin and CIF value as appropriate.
- (d) Details of sub-contractors to whom it is proposed to sublet any portion of the Contract and for whom authority will be requested for such subletting in accordance with clause 4 of the Condition of Contract.
- (e) A draft Program of Works in the form of a bar chart and Schedule of Payment which shall form part of the Contract if the tender is accepted. Any change in the Program or Schedule shall be subjected to the approval of the Engineer.
- (f) Details of any current litigation or arbitration proceedings in which the tenderer is involved as one of the parties.

2.3. Joint Ventures

Tenders submitted by a joint venture of two or more firms as partners shall comply with the following requirements: -

- (a) The tender, and in case of a successful tender, the Form of Agreement, shall be signed so as to be legally binding on all partners
- (b) One of the partners shall be nominated as being in charge, and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners
- (c) The partner in charge shall be authorized to incur liabilities and receive instructions for an on behalf of any and all partners of the joint venture and the entire execution of the Contract including payment shall be done exclusively with the partner in charge.
- (d) All partners of the joint venture shall be liable jointly and severally for the execution of the Contract in accordance with the Contract terms, and a relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Form of Tender and the Form of Agreement (in case of a successful tender)
- (e) A copy of the agreement entered into by the joint venture partners shall be submitted with the tender.

3. Cost of Tendering

- 3.1 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, regardless of the conduct or outcome of the tendering process.
- 3.2 The price to be charged for the tender document shall not exceed Kshs. 5,000/= as provided for in the **Appendix to Instructions to Tenderers**.
- 3.3 The procuring entity shall allow the tenderer to view the tender document free of charge before purchase.

4. Site Visit

- 4.1. The tenderer is advised to visit and examine the Site and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing the tender and entering into a contract. The costs of visiting the Site shall be the tenderer's own responsibility.
- 4.2. The tenderer and any of his personnel or agents will be granted permission by the Employer to enter upon premises and lands for the purpose of such inspection, but only upon the express condition that the tenderer, his personnel or agents, will release and indemnify the Employer from and against all liability in respect of, and will be responsible for personal injury (whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expenses however caused, which but for the exercise of such permission, would not have arisen.
- 4.3. The Employer shall organize a site visit at a date to be notified. A representative of the Employer will be available to meet the intending tenderers at the Site. Tenderers must provide their own transport. The representative will not be available at any other time for site inspection visits. Each tenderer shall complete the Certificate of Tenderer's Visit to the Site, whether he in fact visits the Site at the time of the organized site visit or by himself at some other time.

B. TENDER DOCUMENTS

5. Tender Documents

- 5.1 The Tender documents comprise the documents listed here below and should be read together with any Addenda issued in accordance with Clause 7 of these instructions to tenderers.
- Section I: Invitation to Bid
 - Section II: Instructions to Bidders
 - Section III: Evaluation and Qualification Criteria
 - Section IV: Bidding Forms
 - Section V: Employer's Requirements
 - Section VI: Conditions of Contract and Contract Forms
- 5.2 The tenderer is expected to examine carefully all instructions, conditions, forms, terms, specifications and drawings in the tender documents. Failure to comply with the requirements for tender submission will be at the tenderer's own risk. Pursuant to clause 22 of Instructions to Tenderers, tenders which are not substantially responsive to the requirements of the tender documents will be rejected.
- 5.3 All recipients of the documents for the proposed Contract for the purpose of submitting a tender (whether they submit a tender or not) shall treat the details of the documents as "private and confidential".

6. Inquiries by Tenderers

- 6.1 A tenderer making an inquiry relating to the tender document may notify the Employer in writing or by telex, cable or facsimile at the Employer's mailing address indicated in the Invitation to Tender. The Employer will respond in writing to any request for clarification which he receives earlier than 7 days prior to the deadline for the submission of tenders. Written copies of the Employer's response (including the query but without identifying the source of the inquiry) will be sent to all prospective tenderers who have purchased the tender documents.
- 6.2 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

7. Amendment of Tender Documents

- 7.1. At any time prior to the deadline for submission of tenders the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective tenderer, modify the tender documents by issuing Addenda.
- 7.2 Any Addendum will be notified in writing or by cable, telex or facsimile to all prospective tenderers who have purchased the tender documents and will be binding upon them as provided in the **Appendix to Instructions to Bidders**.
- 7.3 In order to allow prospective tenderers reasonable time in which to take the Addendum into account in preparing their tenders, the Employer may, at his discretion, extend the deadline for the submission of tenders.

C. PREPARATION OF TENDERS

8. Language of Tender

- 8.1 The tender and all correspondence and documents relating to the tender exchanged between the tenderer and the Employer shall be written in the English language. Supporting documents and printed literature furnished by the tenderer with the tender may be in another language provided they are accompanied by an appropriate translation of pertinent passages in the above stated language. For the purpose of interpretation of the tender, the English language shall prevail.

9. Documents Comprising the Tender

- 9.1 The tender to be prepared by the tenderer shall comprise:

- (a) the Form of Tender and Appendix thereto,
- (b) a Tender Security or Tender Securing Declaration,
- (c) the Priced Bills of Quantities and Schedules,
- (d) written confirmation authorizing the signatory of the Bid to commit the Bidder,
- (e) documentary evidence establishing the eligibility of the Bidder, in accordance with the requirements of Section III Evaluation and Qualification Criteria, using the relevant forms furnished in Section IV Bidding Forms;
- (f) documentary evidence establishing the Bidder's qualifications in accordance with the requirements of Section III Evaluation and Qualification Criteria, using the relevant forms furnished in Section IV Bidding Forms;
- (g) documentary evidence establishing the conformity of the Technical Proposal offered by the Bidder with the tender documents, using the relevant forms furnished in Section IV Bidding Forms,
- (h) Supplementary documents and any other document required in the Appendix to ITT and Section III Evaluation and Qualification Criteria.

9.2 The Forms, Bills of Quantities and Schedules provided in the tender documents shall be used without exception (subject to extensions of the schedules in the same format and to the provisions of Clause 13.2 regarding the alternative forms of Tender Surety).

10. Tender Prices

- 10.1 All the insertions made by the tenderer shall be made in **ink** and the tenderer shall clearly form the figures. The relevant space in the Form of Tender and Bills of Quantities shall be completed accordingly without interlineations or erasures except those necessary to correct errors made by the tenderer in which case the erasures and interlineations shall be initialed by the person or persons signing the tender.
- 10.2 A price or rate shall be inserted by the tenderer for every item in the Bills of Quantities whether the quantities are stated or not. Items against which no rate or price is entered by the tenderer will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bills of Quantities.
- 10.3 The prices and unit rates in the Bills of Quantities are to be the full [all-inclusive] value of the Work described under the items, including all costs and expenses which may be necessary and all general risks, liabilities and obligations set forth or implied in the documents on which the tender is based. All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause prior to the deadline for submission of tenders, shall be included in the rates and prices and the total Tender Price submitted by the tenderer.
- 10.4 Each price or unit rate inserted in the Bills of Quantities should be a realistic estimate for completing the activity or activities described under that particular item and the tenderer is advised against inserting a price or rate against any item contrary to this instruction.
- 10.5 Every rate entered in the Bills of Quantities, whether or not such rate be associated with a quantity, shall form part of the Contract. The Employer shall have the right to call for any item of work contained in the Bills of Quantities, and such items of work to be paid for at the rate entered by the tenderer and it is the intention of the Employer to take full advantage of unbalanced low rates.
- 10.6 Unless otherwise specified the tenderer must enter the amounts representing 10% of the sub-total of the summary of the Bills of Quantities for Contingencies and Variation of Prices[V.O.P.] payments in the summary sheet and add them to the sub-total to arrive at the tender amount.

- 10.7 The tenderer shall furnish with his tender written confirmation from his suppliers or manufacturers of basic unit rates for the supply of items listed in the Conditions of Contract clause 70 where appropriate.
- 10.8 The Employer may require the tenderer to justify such rates so obtained from the suppliers or manufacturers.
- 10.9 The rates and prices quoted by the tenderer are subject to adjustment during the performance of the Contract only in accordance with the Provisions of the Conditions of Contract. The tenderer shall complete the schedule of basic rates and shall submit with his tender such other supporting information as required under clause 70 of the Conditions of Contract Part II.
- 10.10 Contract price variations shall not be allowed within the first 12 months of the contract.
- 10.11 Where quantity contract variation is allowed, the variation shall not exceed 15% of the original contract quantity.
- 10.12 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request.

11. Currencies of Tender and Payment

- 11.1 Tenders shall be priced in Kenya Shillings and the tender sum shall be in Kenya Shillings.
- 11.2 Tenderers are required to indicate in the Statement of Foreign Currency Requirements, which forms part of the tender, the foreign currency required by them. Such currency should generally be the currency of the country of the tenderer's main office. However, if a substantial portion of the tenderer's expenditure under the Contract is expected to be in countries other than his country of origin, then he may state a corresponding portion of the contract price in the currency of those other countries. However, the foreign currency element is to be limited to two (2) different currencies and a maximum of 30% (thirty percent) of the Contract Price.
- 11.3 The rate or the rates of exchange used for pricing the tender shall be the selling rate or rates of the Central Bank ruling on the date thirty (30) days before the final date for the submission of tenders.
- 11.4 Tenderers must enclose with their tenders, a brief justification of the foreign currency requirements stated in their tenders.

12. Tender Validity

- 12.1. The tender shall remain valid and open for acceptance for a **period specified in the Appendix to Information Tenderers** from the date of tender opening or from the extended date of tender opening (in accordance with clause 7.3 here above) whichever is the later.
- 12.2. In exceptional circumstances prior to expiry of the original tender validity period, the Employer may request the tenderer for a specified extension of the period of validity. The request and the responses thereto shall be made in writing or by cable, telex or facsimile. A tenderer may refuse the request without forfeiting his Tender Surety. A tenderer agreeing to the request will not be required nor permitted to modify his tender, but will be required to extend the validity of his Tender Surety correspondingly.

13. Tender Security

- 13.1. The tenderer shall furnish as part of his tender, a Tender Security in the specified amount and form, or Tender Securing Declaration as specified in the **Appendix to Information to Tenderers**.

- 13.2. The tender security shall not exceed 2 percent of the tender price, specified in absolute value.
- 13.3 The Tender Security shall be valid at least thirty (30) days beyond the tender validity period, as specified in the **Appendix to Instructions to Tenderers**
- 13.4 Any tender not accompanied by an acceptable Tender Surety will be rejected by the Employer as non-responsive.
- 13.5 The Tender Securities of unsuccessful tenderers will be returned as promptly as possible but not later than twenty-eight (28) days after expiration of the tender validity period. The Tender Surety of the successful tenderer will be returned upon the tenderer executing the Contract and furnishing the required Performance Security.
- 13.6 The Tender Securities may be forfeited:
- a) if a tenderer withdraws his tender during the period of tender validity: or
 - b) in the case of a successful tenderer, if he fails, within the specified time limit
 - i. to sign the Agreement, or
 - ii. to furnish the necessary Performance Security
 - c) if a tenderer does not accept the correction of his tender price pursuant to clause 23.

14. No Alternative Offers

- 14.1. The tenderer shall submit an offer which complies fully with the requirements of the tender documents unless otherwise provided for in the **Appendix to Instructions to Tenderers**
- 14.2. Only one tender may be submitted by each tenderer either by himself or as partner in a joint venture. A tenderer who submits or participates in more than one tender will be disqualified.
- 14.3. The tenderer shall not attach any conditions of his own to his tender. The tender price must be based on the tender documents. The tenderer is not required to present alternative construction options and he shall use without exception, the Bills of Quantities as provided, with the amendments as notified in tender notices, if any, for the calculation of his tender price. Any tenderer who fails to comply with this clause will be disqualified.

15. Pre-tender Meeting

- 15.1. If a pre-tender meeting is convened, the tenderer's designated representative is invited to attend at the venue and time in the Invitation to Tender. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 15.2. The tenderer is requested as far as possible to submit any questions in writing or by cable, to reach the Employer not later than seven (7) days before the meeting. It may not be practicable at the meeting to answer questions received late, but questions and responses will be transmitted in accordance with the following:
- (a) Minutes of the meeting, including the text of the questions raised and the responses given together with any responses prepared after the meeting, will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in – Clause 9 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of a tender notice pursuant to Clause 7 and not through the minutes of the pre-tender meeting.
 - (b) Non-attendance at the pre-bid meeting will not be cause for disqualification of a bidder.

16. Format and Signing of Tenders

- 16.1. The tenderer shall prepare his tender as outlined in clause 9 above and mark appropriately one set "ORIGINAL" and the other "COPY".
- 16.2. The copy of the tender and Bills of Quantities 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 amendments have been made shall be initialed by the person or persons signing the tender.
- 16.3. The complete tender shall be without alterations, interlineations or erasures, except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender.

D. SUBMISSION OF TENDERS

17. Sealing and Marking of Tenders

- 17.1. The tenderer shall seal the original and copy of the tender in separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY". The envelopes shall then be sealed in an outer separate envelope.
- 17.2. The inner and outer envelopes shall be addressed to the Employer at the address stated in the Appendix to Instructions to Tenderers and bear the name and identification of the Contract stated in the said Appendix with a warning not to open before the date and time for opening of tenders stated in the **Appendix to Instructions to Tenderers**.
- 17.3. The inner envelopes shall each indicate the name and address of the tenderer to enable the tender to be returned unopened in case it is declared "late", while the outer envelope shall bear no mark indicating the identity of the tenderer.
- 17.4. If the outer envelope is not sealed and marked as instructed above, the Employer will assume no responsibility for the misplacement or premature opening of the tender. A tender opened prematurely for this cause will be rejected by the Employer and returned to the tenderer.

18. Deadline for Submission of Tenders

- 18.1. Tenders must be received by the Employer at the address specified in Clause 17.2 and on the date and time specified in the Tender Notice and **Appendix to Instructions to Tenderers**, subject to the provisions of clause 7.3, 18.2 and 18.3. Tenders delivered by hand must be placed in the "tender box" provided in the office of the Employer. Proof of posting will not be accepted as proof of delivery and any tender delivered after the above stipulated time, from whatever cause arising will not be considered.
- 18.2. The Employer may, at his discretion, extend the deadline for the submission of tenders through the issue of an Addendum in accordance with clause 7, in which case all rights and obligations of the Employer and the tenderers previously subject to the original deadline shall thereafter be subject to the new deadline as extended.
- 18.3. Any tender received by the Employer after the prescribed deadline for submission of tender shall be rejected and will be returned unopened to the tenderer.

19. Modification and Withdrawal of Tenders

- 19.1. The tenderer may modify or withdraw his tender after tender submission, provided that written notice of the modification or withdrawal is received by the Employer prior to prescribed deadline for submission of tenders.

- 19.2. The tenderer's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions for the submission of tenders, with the inner and outer envelopes additionally marked "MODIFICATION" or "WITHDRAWAL" as appropriate.
- 19.3. No tender may be modified subsequent to the deadline for submission of tenders.
- 19.4. No tender may be withdrawn in the interval between the deadline for submission of tenders and the period of tender validity specified on the tender form. Withdrawal of a tender during this interval will result in the forfeiture of the Tender Surety.
- 19.5. Subsequent to the expiration of the period of tender validity prescribed by the Employer, and the tenderer having not been notified by the Employer of the award of the Contract or the tenderer does not intend to conform with the request of the Employer to extend the period of tender validity, the tenderer may withdraw his tender without risk of forfeiture of the Tender Surety.

E. TENDER OPENING AND EVALUATION

20. Tender Opening

- 20.1. The Employer will open the tenders in the presence of the tenderers' representatives who choose to attend at the time and location indicated in the Letter of Invitation to Tender. The tenderers' representatives who are present shall sign a register evidencing their attendance.
- 20.2. Tenders for which an acceptable notice of withdrawal has been submitted, pursuant to clause 19, will not be opened. The Employer will examine the tenders to determine whether they are complete, whether the requisite Tender Sureties have been furnished, whether the documents have been properly signed and whether the tenders are generally in order.
- 20.3. At the tender opening, the Employer will announce the tenderer's names, total tender price, tender price modifications and tender withdrawals, if any, the presence of the requisite Tender Surety and such other details as the Employer, at his discretion, may consider appropriate. No tender shall be rejected at the tender opening except for late tenders.
- 20.4. The Employer shall prepare minutes of the tender opening including the information disclosed to those present.
- 20.5. Tenders not opened and read out at the tender opening shall not be considered further for evaluation, irrespective of the circumstances.

21. Process to be Confidential

- 21.1. After the public opening of tenders, information relating to the examination, clarification, evaluation and comparisons of tenders and recommendations concerning the award of Contract shall not be disclosed to tenderers or other persons not officially concerned with such process until the award of Contract is announced.
- 21.2. Any effort by a tenderer to influence the Employer in the process of examination, evaluation and comparison of tenders and decisions concerning award of Contract may result in the rejection of the tenderer's tender.

22. Clarification of Tenders

- 22.1. To assist in the examination, evaluation and comparison of tenders, the Employer may ask tenderers individually for clarification of their tenders, including breakdown of unit prices. The request for clarification and the response shall be in writing or by cable, facsimile or telex, but no change in the price or substance of the tender shall be sought, offered or permitted except as

required to confirm the correction of arithmetical errors discovered by the employer during the evaluation of the tenders in accordance with clause 24.

- 22.2. No tenderer shall contact the Employer on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. If the tenderer wishes to bring additional information to the notice of the Employer, he shall do so in writing.

23. Determination of Responsiveness

- 23.1. Prior to the detailed evaluation of tenders, the Employer will determine whether each tender is substantially responsive to the requirements of the tender documents.
- 23.2. For the purpose of this clause, a substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tender documents without material deviation, reservation or omission. A material deviation or reservation is one which affects in any substantial way the scope, quality, completion timing or administration of the Works to be undertaken by the tenderer under the Contract, or which limits in any substantial way, inconsistent with the tender documents, the Employer's rights or the tenderers obligations under the Contract and the rectification of which would affect unfairly the competitive position of other tenderers who have presented substantially responsive tenders.
- 23.3. Each price or unit rate inserted in the Bills of Quantities shall be a realistic estimate of the cost of completing the works described under the particular item including allowance for overheads, profits and the like. Should a tender be seriously unbalanced in relation to the Employer's estimate of the works to be performed under any item or groups of items, *the tender shall be evaluated as provided in ITT 26.5.*
- 23.4. A tender determined to be not substantially responsive will be rejected by the Employer and may not subsequently be made responsive by the tenderer by correction of the non-conforming deviation or reservation.

24. Correction of Errors

Tenders determined to be substantially responsive shall be checked by the Employer for any arithmetic errors in the computations and summations. Errors will be corrected by the Employer as follows:

- (a) Where there is a discrepancy between the amount in figures and the amount in words, the amount in words will govern.
- (b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case adjustment will be made to the entry containing that error.
- (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bills of Quantities, the amount as stated in the Form of Tender shall prevail.
- (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected builder's work (i.e. corrected tender sum less Prime Cost and Provisional Sums).
- (e) The Error Correction Factor shall be applied to all builder's work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuations of variations.

- (f) The amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 13.

25. Conversion to Single Currency

- 25.1. For compensation of tenders, the tender price shall first be broken down into the respective amounts payable in various currencies by using the selling rate or rates of the Central Bank of Kenya ruling on the date twenty-one (21) days before the final date for the submission of tenders.
- 25.2. The Employer will convert the amounts in various currencies in which the tender is payable (excluding provisional sums but including Dayworks where priced competitively) to Kenya Shillings at the selling rates stated in clause 25.1.

26. Evaluation and Comparison of Tenders

- 26.1 The Employer will evaluate only tenders determined to be substantially responsive to the requirements of the tender documents in accordance with clause 23.
- 26.2. In evaluating tenders, the Employer will determine for each tender the evaluated tender price by adjusting the tender price as follows:
 - (a) Making any correction for errors pursuant to clause 24.
 - (b) Excluding Provisional Sums and provision, if any, for Contingencies in the Bills of Quantities, but including Day works where priced competitively.
- 26.3. The Employer reserves the right to accept any variation, deviation or alternative offer. Variations, deviations, alternative offers and other factors which are in excess of the requirements of the tender documents or otherwise result in the accrual of unsolicited benefits to the Employer, shall not be taken into account in tender evaluation.
- 26.4. Price adjustment provisions in the Conditions of Contract applied over the period of execution of the Contract shall not be taken into account in tender evaluation.
- 26.5. If the lowest evaluated tender is seriously unbalanced or front loaded in relation to the Employer's estimate of the items of work to be performed under the Contract, the Employer may require the tenderer to produce detailed price analyses for any or all items of the Bills of Quantities, to demonstrate the relationship between those prices, proposed construction methods and schedules. After evaluation of the price analyses, the Employer may require that the amount of the Performance Security set forth in clause 29 be increased at the expense of the successful tenderer to a level sufficient to protect the Employer against financial loss in the event of subsequent default of the successful tenderer under the Contract.
- 26.6. Firms incorporated in Kenya where indigenous Kenyans own 51% or more of the share capital shall be allowed a 10% preferential bias provided that they do not sub-contract work valued at more than 50% of the Contract Price excluding provisional sums to a non-indigenous sub-contractor.
- 26.7. Preference where allowed in the evaluation of tenders shall not exceed 15%
- 26.8. The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.

- 26.9. The procuring entity 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.
- 26.10. A tenderer who gives false information in the tender document about its 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.
- 26.11. Poor past performance shall not be used as evaluation criteria unless specifically provided for in the **Appendix to Instructions to Tenderers**.

F: AWARD OF CONTRACT

27. Award Criteria

- 27.1 Subject to Sub-clause 27.2, the Employer will award the Contract to the tenderer whose tender is determined to be substantially responsive to the tender documents and who has offered the lowest evaluated tender price subject to possessing the capability and resources to effectively carry out the Contract Works as required in Sub-clause 2.1 and 2.2 here above.
- 27.2 The Employer reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders, at any time prior to award of Contract, without thereby incurring any liability to the affected tenderers or any obligation to inform the affected tenderers of the grounds for the Employer's action.

28. Notification of Award

- 28.1. Prior to the expiration of the period of tender validity prescribed by the Employer, the Employer will notify the successful tenderer by cable, telefax or telex and confirmed in writing by registered letter that his tender has been accepted. This letter (hereinafter and in all Contract documents called "Letter of Acceptance") shall name the sum (hereinafter and in all Contract documents called "the Contract Price") which the Employer will pay to the Contractor in consideration of the execution and completion of the Works as prescribed by the Contract.
- 28.2. At the same time that the Employer notifies the successful tenderer that his tender has been accepted, the Employer shall notify the other tenderers that the tenders have been unsuccessful.
- 28.3. Within fourteen [14] days of receipt of the Form of Contract Agreement from the Employer, the successful tenderer shall sign the form and return it to the Employer together with the required Performance Security.
- 28.4. 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.

29. Performance Guarantee

- 29.1. Within twenty-eight [28] days of receipt of the notification of award from the Employer, the successful tenderer shall furnish the Employer with a Performance Security in the amount stated in the **Appendix to Instructions to Tenderers** and in the format stipulated in the Conditions of Contract.
- 29.2. The Performance Security to be provided by the successful tenderer shall be an unconditional Bank Guarantee issued at the tenderer's option by a reputable Bank approved by the Employer and located in the Republic of Kenya and shall be divided into two elements namely, a performance security payable in foreign currencies (based upon the exchange rates determined in accordance with clause 60(5) of the Conditions of Contract) and a performance

security payable in Kenya Shillings. The value of the two securities shall be in the same proportions of foreign and local currencies as requested in the form of foreign currency requirements.

- 29.3. Failure of the successful tenderer to lodge the required Performance Security shall constitute a breach of Contract and sufficient grounds for the annulment of the award and forfeiture of the Tender Security and any other remedy under the Contract. The Employer may award the Contract to the next ranked tenderer.

30. Advance Payment

- 30.1. An advance payment, if approved by the Employer, shall be made under the Contract, if requested by the Contractor, in accordance with clause 60(1) of the Conditions of Contract. The Advance Payment Guarantee shall be denominated in the proportion and currencies named in the form of foreign currency requirements. For each currency, a separate guarantee shall be issued. The guarantee shall be issued by a Bank located in the Republic of Kenya, or a foreign Bank through a correspondent Bank located in the Republic of Kenya, in either case subject to the approval of the Employer.

31. Corrupt or fraudulent practices

- 31.1 The procuring entity 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 not and will not be involved in corrupt or fraudulent practices.

APPENDIX TO INSTRUCTIONS TO TENDERERS

The following specific data for the Works to be procured shall complement, supplement, or amend the provisions in the Instructions to Tenderers (ITT). Whenever there is a conflict, the provisions herein shall prevail over those in ITT.

ITT Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERERS
A: GENERAL	
Clause 1(d)	Employer means the State Department for Housing and Urban Development
Clause 2.1	(a) To establish the eligibility of the Bidder in accordance with ITT Clause 2.1, the Bidder shall complete the relevant forms included in <i>Section IV Bidding Forms</i> ; and, (b) The Bidders must meet the eligibility criteria specified in <i>Section III Evaluation and Qualification Criteria</i> , without material deviations, reservations or omissions.
Clause 2.2	(a) The Bidder shall provide documentary evidence establishing the Bidder's qualifications using the relevant forms in <i>Section IV Bidding Forms</i> ; and; (b) The Bidders shall meet the Qualification Criteria specified in <i>Section III Evaluation and Qualification Criteria</i> without material deviations, reservations or omissions.
Clause 2.3 (e)	Replace "agreement" with "duly signed and sealed joint venture agreement"
Clause 2.3 (d)	The Form of Tender must be duly filled, signed and stamped. The person signing must have written authority in the form of Power of Attorney. Any tender without or unfilled a form of tender shall be disqualified.
Clause 3.2	The price to be charged for the hard copy tender document shall be Ksh. 1,000.00 or available free as download from our website. Bidders who download the documents from the website are required to immediately inform the Employer of their wish to submit their bids. The bidder shall provide the following information: (a) Name of Bidder (b) Name of contact person (c) Telephone contact (d) Email address
B: TENDER DOCUMENTS	
Clause 5.1 (f)	Statement of Foreign Currency Requirements: Not Applicable
Clause 7.2	Communication of all addendums and any clarifications will also be done through local daily newspapers, email, and the information uploaded on the State Department's website (www.housingandurban.go.ke) as appropriate.
C: PREPARATION OF TENDERS	
Clause 8.1	The language to be used in tendering shall be English
Clause 10.2	The bidders should include all Government taxes and shall be in the Main Summary.
Clause 12.1	The Tender validity period shall be 150 days from the specified date of tender opening or from the extended date of tender opening whichever is the later.
Clause 13.1	The tender security shall be: Kshs. 120,000.00.
Clause 13.3	The tender security validity period shall be 180 days from date of tender opening.
Clause 13.3	Alternative offers shall not be allowed and any such bid shall be disqualified.

Clause 15.1	The tenderer is advised to visit and examine the Site and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing the tender and entering into a contract. The costs of visiting the Site shall be the tenderer's own responsibility.
Clause 15.2(b)	The Bidders are required to read carefully the content of the tender documents and ensure the request for clarifications about the documents and the work site within the stipulated timelines.
Clause 16.2	All pages of the bid shall be serialized and initialed by the authorized representative.
D: SUBMISSION OF TENDERS	
Clause 17.1	In addition to the original bid , the number of hard copies is: One (1) copy , prepared as a copy from the original.
Clause 17.2	Attention: The Principal Secretary State Department for Housing and Urban Development; Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works Address: Ardhi House, 1st Ngong Avenue Floor/Room number: 6th Floor, Tender Box Email: procurement@housingandurban.go.ke
Clause 18.1	The deadline for bid submission is: 20th April, 2021 at 11:00AM
E: TENDER OPENING AND EVALUATION	
Clause 20.3	In the event of a discrepancy between the tender amount in words and amount in figures as stated in the Form of Tender the amount in words shall prevail .
Clause 23.3 and 26.5	Bids should conform to the requirement of these clauses.
Clause 24	Where there will be a material difference between the evaluated price after correction of errors pursuant to ITT 24 and the tender sum in the Form of Tender, the error shall be declared as major deviation, reservation or omission and the tender disqualified as non-responsive pursuant to Section 79 of the Public Procurement and Asset Disposal Act 2015.
Clause 25.1	All prices shall be quoted in Kenya Shillings.
Clause 26.2	This clause shall apply as read together with Clause 24.
Clause 26.6	Only Citizen Contractors are eligible to bid.
Clause 26.11	Poor past performance shall be a factor in the evaluation of bids, as provided for in Section III Evaluation and Qualification Criteria .
F: AWARD OF CONTRACT	
Clause 29.1	The Performance Security shall be at least 5% (five percent) of the contract amount.
Clause 29.2	The Performance Security shall be an unconditional Bank Guarantee in the required format and issued by a reputable Bank in Kenya; and furnished by the successful Bidder prior to signing the contract.
Clause 30	Advance payment may be approved on exceptional circumstances at the Employer discretion, and shall be 20% of the contract sum . Advance payment shall be paid against an unconditional bank guarantee of an equivalent amount issued by a bank in Kenya.

Clause 31.1	All tenderers shall fill and sign a declaration that they have not and will not be involved in corrupt or fraudulent practices.
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SECTION III

CONDITIONS OF CONTRACT

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1. Definitions

- 1.1 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.

2. Contract Documents

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

- (1) Agreement,
- (2) Letter of Acceptance,
- (3) Contractor’s Tender,
- (4) Conditions of Contract,
- (5) Specifications,
- (6) Drawings,
- (7) Bills of Quantities or Schedule of Rates [whichever is applicable]

3. Employer’s Representative’s Decisions

- 3.1 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.

ii. Works, Language and Law of Contract

- 4.1 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.
- 4.2 The ruling language of the Contract shall be English language and the law governing the Contract shall be the law of the Republic of Kenya.

iii. Safety, Temporary works and Discoveries

- 5.1 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.
- 5.2 The Contractor shall be responsible for the safety of all activities on the Site.
- 5.3 Anything 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.

6 Work Program and Sub-contracting

- 6.1 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.
- 6.2 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.

7. The site

- 6.3 The Employer shall give possession of all parts of the Site to the Contractor.
- 6.4 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
- 6.5 carried out or is intended to be carried out.

8. Instructions

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

9. Extension of Completion Date

- 6.7 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.
- 6.8 For the purposes of this clause, the following occurrences shall be valid for consideration;

Delay by: -

- (a) force majeure, or
- (b) reason of any exceptionally adverse weather conditions, or
- (c) 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
- (d) reason of the Employer's Representative's instructions issued under these Conditions, or
- (e) 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

- (f) delay on the part of artists, tradesmen or others engaged by the Employer in executing work not forming part of this Contract, or
- (g) reason of delay by statutory or other services providers or similar bodies engaged directly by the Employer, or
- (h) 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
- (i) reason of delay in appointing a replacement Employer's Representative, or
- (j) 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
- (k) delay in receiving possession of or access to the Site.

10. Management Meetings

- 6.9 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.
- 6.10 Communication between parties shall be effective only when in writing.

11. Defects

- 6.11 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.
- 6.12 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.
- 6.13 Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified by the Employer's Representative's notice. If the Contractor has not corrected a defect within the time specified in the Employer's Representative's notice, the Employer's Representative will assess the cost of having

the defect corrected by other parties and such cost shall be treated as a variation and be deducted from the Contract Price.

12. Bills of Quantities/Schedule of Rates

- 6.14 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.
- 6.15 Where Bills of Quantities do not form part of the Contract, the Contract Price shall be a lump sum (which shall be deemed to have been based on the rates in the Schedule of Rates forming part of the tender) and shall be subject to re-measurement after each stage.

13. Variations

- 6.16 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.
- 6.17 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.
- 6.18 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.

14. Payment Certificates and Final Account

- 6.19 The Contractor shall be paid after each of the following stages of Work listed here below (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.
- (i) Advance payment _____ (*percent of Contract Price, [after Contract execution] to be inserted by the Employer*).
 - (ii) First stage (*define stage*) _____
 - (iii) Second stage (*define stage*) _____
 - (iv) Third stage (*define stage*) _____
 - (v) After defects liability period .
- 6.20 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.

6.21 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.

6.22 If the period laid down for payment to the Contractor upon each of the Employer's Representative's Certificate by the Employer has been exceeded, the Contractor shall be entitled to claim simple interest calculated pro-rata on the basis of the number of days delayed at the

Central Bank of Kenya's average base lending rate prevailing on the first day the payment becomes overdue. The Contractor will be required to notify the Employer within 15 days of receipt of delayed payments of his intentions to claim interest.

15. Insurance

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

16. Liquidated Damages

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

17. Completion and Taking Over

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

18. Termination

18.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. These fundamental breaches of Contract shall include, but shall not be limited to, the following;

- (a) the Contractor stops Work for 30 days continuously without reasonable cause or authority from the Employer's Representative;
- (b) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) a payment certified by the Employer's Representative is not paid by the Employer to the Contractor within 30 days after the expiry of the payment periods stated in sub clauses 14.2 and 14.3 hereinabove.
- (d) the Employer's Representative gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time.

18.2 If the Contract is terminated, the Contractor shall stop Work immediately, and leave the Site as soon as reasonably possible. The Employer's Representative shall immediately thereafter arrange for a meeting for the purpose of taking record of the Works executed and materials, goods, equipment and temporary buildings on Site.

19. Payment Upon Termination

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

19.2 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.

- iv. 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.

v. Corrupt Gifts and Payments of Commission

20.1 The Contractor shall not;

- (a) Offer or give or agree to give to any person in the service of the Employer any gifts or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract with the Employer or for

showing or forbearing to show favour or disfavour to any person in relation to this or any other contract with the Employer.

- (b) 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.

vi. **Settlement of Disputes**

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

SPECIAL CONDITIONS OF CONTRACT

THE EMPLOYER IS

Name: **Principal Secretary, State Department for Housing and Urban Development**

Address: **P.O Box 30450-00100 Nairobi**

Name of Employer's Representative:

Title; **Director Slum Upgrading Department**

Telephone: **N/A**

The name (and identification number) of the Contract is **Proposed Installation of 2 (Two) Number Electric Powered High Mast Flood Lighting Structures in Various Informal Settlements in Tharaka Nithi County: MTHUDPW/SDHUD/SUD/029/2020/2021**

The Works consist of **Installation of 2 no. Electric powered high mast floodlighting structures**

The Start Date shall be **AGREED WITH THE PROJECT MANAGER**

The Intended Completion Date for the whole of the Works shall be **AGREED WITH THE PROJECT MANAGER**

The following documents also form part of the Contract:

BILLS OF QUANTITIES, CONTRACT DRAWINGS, MOPW GENERAL SPECIFICATIONS AND ANY OTHER AUTHORIZED DRAWINGS WHICH MAY BE ISSUED

The Site Possession Date shall be **AGREED WITH THE PROJECT MANAGER**

The Site is located at **IN VARIOUS SITES IN THARAKA NITHI COUNTY; GATUGATI MARKET AND KARAA MARKET INFORMAL SETTLEMENTS** and is defined in drawings nos.

The Defects Liability Period is 180 days.

Amount of Tender Security is **Kshs 120,000.00**

The name and Address of the Employer for the purposes of submission of tenders is

Head of Supply Chain Management Services

For: The Principal Secretary

State Department of Housing and Urban Development

Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works.

P.O. Box 30119 -00100

The tender opening date and time is **11.00am on 20th day of April 2021**

The amount of performance security is **5% of the Contract Sum** Note: The Employer must select the form of performance security to be accepted. A bank guarantee of between five (5) and ten (10) percent is acceptable. A performance bond on the other hand from an insurance company may be of up to thirty (30) percent of the Contract Price).

SECTION III: EVALUATION AND QUALIFICATION CRITERIA

This section contains all the criteria that the Employer shall use to evaluate Bids and qualify Bidders through post-qualification. No other factors, methods or criteria shall be used other than specified in this tender document. The Bidder shall provide all the information requested in the forms included in *Section IV Bidding Forms*. After tender opening, the tenders will be evaluated in three stages:

1. **Preliminary Examination of Bids;**
2. **Detailed Technical Evaluation of Bids**
3. **Detailed Commercial Evaluation of Bids**

STAGE 1: PRELIMINARY EXAMINATION OF BIDS

This stage of evaluation shall involve preliminary examination of each bid that had been submitted before the deadline using the following criteria.

In accordance to ITT Clause 2.1, Bidders shall be required to meet the following eligibility criteria without material deviations, reservations or omissions, otherwise the bid shall be assessed as non-responsive to the requirements of the tender documents and not considered for further evaluation.

No	Requirements	Tenderer's Response
MR 1	Provide copy of the company's Certificate of Incorporation or registration certificate (Legal structure)	
MR 2	Provide copy of current CR 12 for Incorporated Firms to confirm that the firm is a local contractor (Dated within the last twelve months)	
MR 3	Provide copy of the company's current Certificate of Tax Compliance issued by Kenya Revenue Authority (KRA) valid at least up to the date of tender opening. & copy of E-PIN certificate with both VAT and Income Tax obligations	
MR 4	Provide documentary evidence of liquid assets and/or availability of credit facilities of a value of at least Kshs. 15,000,000 (Kenya Shillings Fifteen Million) . (Attach copies of certified bank statements for the last six months upto February 2021 OR letter of credit line from a financial institution registered by Central Bank of Kenya for this specific project. (The documents so provided may be verified for authenticity).	
MR 5	Provide copy of valid registration by National Construction Authority as an Electrical Works Contractor Category NCA 6 and above.	
MR 6	Provide Copy of valid EPRA Licence C1-Electrical and above	
MR 7	Provide copy of valid OSHA certificate. (Occupational, Safety and Health Certificate.)	
MR 8	Provide Tender Security in the amount and valid as specified in the Appendix to ITT	
MR 9	Provide copy of valid Business Permit in the County of operation.	
MR 10	Provide Power of Attorney Commissioned by Commissioner of Oath Indicating the Authorized signatory for the documents of the bidder	
MR 11	Provide dully filled Standard Forms. (Form of Tender, Tender Questionnaire, Declaration Form and Confidential Business Questionnaire.)	
MR 12	Proof of completion of previous contracts with State Department for Housing and Urban Development. (Contractors with delayed works with SDHUD due to non-performance will not be recommended)	

STAGE 2: DETAILED TECHNICAL EVALUATION OF BIDS

- (a) This stage shall involve technical evaluation of the bid to determine its compliance to the tender requirements and that the bidder is qualified with capacity and resources to perform the contract.
- (b) If a Bid is not substantially responsive to the requirements of the tender documents, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.
- (c) The **bids** shall first be examined to determine the consistence of the Technical Proposal regarding site organization, a statement of work methods, mobilization schedule, construction schedule, contractor's equipment, proposed key personnel, resume of key personnel, details of subcontractors, and any other information as stipulated in *Section IV Bidding Forms*.
- (d) The **bidders** shall next be evaluated to determine their capability and resources to effectively carry out the contract of works, using the following criteria to be applied based on the maximum score

	Evaluation Attribute	Weighting Score	Max Score
T1	Number of years in the business of construction and maintenance (a copy of certificate of incorporation or registration to be provided for verification).	Each active year of registration will earn 1marks to a maximum of 5 years	5
T2	Provide details of experience and past performance on works of similar nature within the past five years and details of current work on hand and other contractual commitments. Attach at least 3 completion certificates for works undertaken and at least 2 contract agreements/award letters for ongoing projects. (Attach Proof)	Each Completion certificate will earn 10 marks . Each contract agreement/award letter will earn 5 marks	30
T3	Provide a list of at least three (3) Qualified Technical Staff in the company relevant to the building construction industry. For any of the personnel provided to qualify, the following requirements MUST be met: <ol style="list-style-type: none"> 1. Project Supervisor -As a minimum, the academic qualifications of the project supervisor MUST be a degree from a recognized institution in any of the following fields; (Electrical, Mechanical or Civil Engineering with at least 5 years' experience. 2. 2No. Technicians -The technicians shall have at least a Diploma in Engineering with a minimum of 2 years' experience <p>- All the technical staff should provide signed CV's and certified copies of Certificates MUST be submitted.</p>	Each Qualified Technical Staff will earn 10 marks to a maximum of 3 Number of Qualified Technical Staff .	30
T4	Provide list of key equipment owned or leased by the company that will be used in the execution of the works. (Attach Current Leases/Logbooks)	Each relevant equipment will earn 2 marks up to a maximum of 10 marks	10

T5	Provide a Detailed Mobilization plan & Detailed Construction Schedule. This should be clear and demonstrate/Indicate for each activity for period not exceeding Six Months	Detailed Construction Schedule and Mobilization plan	10
T6	Audited Financial Statements for the last two consecutive years (2018 and 2019) certified by a certified auditor. The evaluation committee will consider annual turnover	Audited Financial Statements for last two years	10
T7	Litigation History		5
	Total		100

The pass mark for the detailed technical evaluation is 70% any bidder who fails to attain the pass mark will be non-responsive and will not be considered for further evaluation

STAGE 3: DETAILED COMMERCIAL EVALUATION OF BIDS

This stage will involve the detailed evaluation of the commercial aspects of the bids using the following procedure and methodology as provided in the tender documents:

- (1) The prices for components of the bill of quantities and for unit rates of the bid shall be analysed to verify whether the bill of quantities is complete, without material deviations, reservations or omissions.
- (2) The cost of items against which the bidder has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the bill of quantities, hence there shall be no adjustments for missing items in the bill of quantities.
- (3) If a bidder does not quote prices for an entire bill, or fail to carry a bill to the summary or tender sum, the bid shall be rejected as non-responsive.
- (4) The bids shall be checked for any arithmetical errors in computation and summations.
- (5) The amounts in foreign currency shall be converted to Kenya Shillings for evaluation purposes.
- (6) The reservations or margins to preference as provided in ITT 26.6 and 26.7 and Appendix to ITT will be applied as applicable for evaluation purposes.
- (7) Non-responsive bids shall be rejected at this stage and shall not be considered further in the next evaluation and award stage.
- (8) The bids that are responsive at the detailed commercial evaluation stage shall be ranked based on the lowest to the highest evaluated price.

STAGE 4: RECOMMENDATION FOR AWARD

The purpose of this stage will be to determine the successful bidder using the following procedure:

- (1) The Bidders shall be ranked from lowest to the highest evaluated price, and the bidder with the lowest evaluated price identified.
- (2) The lowest evaluated bidder shall be subjected to **due diligence** based on the documents submitted under *Section IV Bidding Forms* and tender documents on pass-fail basis.
- (3) If the lowest evaluated bidder fails after the conduct of due diligence, a report shall be prepared to that effect and the bid rejected as non-responsive.
- (4) In that event, the second lowest bidder shall be subjected to the due diligence based on the forms submitted under *Section IV Bidding Forms* and tender documents.
- (5) The Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the tender documents, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily and passes the due diligence shall be recommended for award of contract.
- (6) Where for any reasons the lowest bidder recommended for award of contract declines in writing to accept the award or fails to furnish the required performance security within the given timelines; the award shall be revoked and the next ranked bidder shall be recommended for award of the contract.
- (7) The Employer reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders, at any time prior to award of contract, without thereby incurring any liability to the affected tenderers or any obligation to inform the affected tenderers of the grounds for the Employer's action.

SECTION IV: BIDDING FORMS

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FORM 1: FORM OF TENDER

TO: _____ [Name of Employer] _____ [Date]
_____ [Name of Contract]

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities 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]
2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager'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.
3. 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.
4. 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.
5. 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 capacity of _____

duly authorized to sign tenders for and on behalf of

_____ [Name of Employer]
of _____ [Address of Employer]

Witness; Name _____

Address _____

Signature _____

Date _____

FORM 2: APPENDIX TO FORM OF TENDER

This Appendix to Conditions of Contract forms part of the tender document.

(Note: with the exception of the items for which the Employer's requirements have been inserted, the Contractor shall complete the following information before submitting his offer.)

Item	Sub-clause	Data
Bid Security.		KShs 120,000.00
Time for Completion	7.1	Three (3) Months after Works Commencement. Effective date of this contract is the date of site handover.
Priority of Documents		The documents forming the Contract shall be interpreted in the following order of priority: <ul style="list-style-type: none"> • the Contract Agreement and Appendix • the Letter of Acceptance • the Form of Tender • the Conditions of Contract, Part II - Conditions of Particular Application • the Conditions of Contract, Part I - General Conditions of Contract • the Specifications • the Drawings, • the Priced Bill of Quantities
Law of Contract	1.2	Laws of the Republic of Kenya
Language	1.2	English
Possession of Site	2.1	2 weeks after Commencement Date
Authorized Person	3.1	The Principal Secretary, State Department of Housing and Urban Development P. O. Box 30119-00100, NAIROBI
Name and Address of Employer's Representative	3.2	Chief Officer Roads, Transport and Public Works Tharaka Nithi County Government P. O. Box 10-60406 Kathwana
Penalty to the Contractor for Employer paying workers on his behalf	7.1	10% of the amount paid to the workers.
Performance Security Amount and Form		5% of the Contract Sum Bank Guarantee from a recognized and Reputable Bank Approved by CBK
Requirements of Contractors Design		Not applicable
Program: Time of Submission		Within 14 days before Commencement Date
Form of Program		Gant Chart
Interval Updates		Monthly
Liquidated Damages Amount payable due to failure to complete		0.01% of Contract Price per Day to a limit of 10% of Contract Price.
Period of notifying defects	9.1.1	5 days calculated from the date stated in the notice under sub clause 8.2*

Item	Sub-clause	Data
Percentage of Retention		10
Maximum Amount of Advance Payment		Not Applicable
Form of Guarantee for Advance Payment		Bank Guarantee
Valuation of Works		Nil
Repayment Schedule for Advance Payment		Not Applicable
Minimum Amount of Interim Payment		Not Applicable
Currency of Payment		Kenya Shilling
Rate of Interest		Prevailing CBK rates for Commercial Lending as of the first day the payment becomes overdue
Insurance	14.1	Contractors all Risk
Insurance: <ul style="list-style-type: none"> ▪ The Works, materials plants & fees ▪ Contractor's Equipment ▪ Third party injury to persons and damage to property ▪ Workers compensation ▪ Other cover 		The minimum insurance amounts and deductibles shall be: <ul style="list-style-type: none"> (a) For loss or damage to the Works, Plant and Materials: <i>110 % of cost of plant & materials.</i> (b) For loss or damage to Equipment: <i>110 % of cost of equipment.</i> (c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract: <i>100% of cost of property.</i> (d) for personal injury or death: (i) of the Contractor's employees: as per Kenya Applicable Law; (ii) of (iii) other people: as per Kenya Applicable Law.
Arbitration <ul style="list-style-type: none"> ⇒ Rules ⇒ Appointing Authority ⇒ Place of Arbitration 		As appointed by The Chief Justice of The Republic of Kenya

Signature of Tender..... Date.....

FORM 3: SCHEDULE OF PRICES/BILLS OF QUANTITIES

[The Bidder shall insert the priced bill of quantities here]

FORM 4: STATEMENT OF FOREIGN CURRENCY REQUIREMENTS

(See Clause 60[5] of the Conditions of Contract)

*In the event of our Tender for the execution of _____
_____ (name of Contract) being accepted, we would require in accordance
with Clause 21 of the Conditions of Contract, which is attached hereto, the following percentage:*

(Figures)..... (Words).....

of the Contract Sum, (Less Fluctuations) to be paid in foreign currency.

Currency in which foreign exchange element is required:

.....

Date: The Day of 20.....

Enter 0% (zero percent) if no payment will be made in foreign currency.

*Maximum foreign currency requirement shall be _____(percent) of the Contract Sum, less
Fluctuations.*

(Signature of Tenderer)

FORM 5: SCHEDULE OF MATERIALS-BASIC PRICES

(Ref: Clause 70 of Conditions of Contract)

Material	Unit	Origin and Price			Transport Cost from Source of Origin	
		Country of Origin	Supplier	Price	Mode	Price
Cement	Mg					
Lime	Mg					
Sand	Mg					
Aggregate	Mg					
Diesel	L					
Regular Petrol	L					
Super Petrol	L					
Kerosene	L					
Structural steel	Mg					
Gabion Mesh	M2					
Reinforcement Steel	Mg					
Explosives	Kg					
Oil and Lubricants	L					
Bitumen Emulsion A3	L					
Bitumen Emulsion A4	L					
Bitumen Emulsion K1	L					
Bitumen Emulsion K3	L					
Bitumen 80/100	Kg					
Bitumen MC 30	ML					
Bitumen MC 70	L					
Bitumen MC 3000	L					
Ammonium nitrate for blasting	Kg					

I certify that the above information is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

The prices inserted above shall be those prevailing 30 days before the submission of Tenders and shall be quoted in Kenya Shillings using the exchange rates specified in the Appendix to Form of Tender. Prices of imported materials to be quoted CIP Construction Site as appropriate depending on whether materials are imported by the tenderer directly or through a local agent. Transportation costs for imported materials to be quoted from Mombasa or Nairobi as appropriate to (Contract Site) depending on whether materials are imported directly by the tenderer or through a local agent.

FORM 6: SCHEDULE OF LABOUR-BASIC PRICES

(Reference: Clause 70 of Conditions of Contract)

<i>LABOUR CATEGORY</i>	<i>UNIT (MONTH/SHIFT/HOUR)</i>	<i>RATES</i>

Categories to be generally in accordance with those used by the Kenya Building Construction and Engineering and Allied Trades Workers' Union.

I certify that the above information is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

FORM 7: FORM OF TENDER SECURITY

WHEREAS (hereinafter called “the Tenderer”) has submitted his tender dated for the construction of
..... (name of Contract)

KNOW ALL PEOPLE by these presents that WE having our registered office at (hereinafter called “the Bank”), are bound unto (hereinafter called “the Employer”) in the sum of Kshs..... for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents sealed with the Common Seal of the said Bank this Day of20.....

THE CONDITIONS of this obligation are:

1. If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers
Or
2. If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:
 - (a) fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required; or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;
 - (c) Rejects a correction or an arithmetic error in the tender.

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.

_____	_____
<i>[date]</i>	<i>[signature of the Bank]</i>
_____	_____
<i>[witness]</i>	<i>[seal]</i>

(Amend accordingly if provided by the Insurance Company)

FORM 8: TENDER SECURING DECLARATION

[The Bidder shall fill in this Form in accordance with the instructions indicated.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number of bidding process]

To: [insert complete name of Purchaser]

We, the undersigned, declare that:

1. We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
2. We accept that we will automatically be suspended from being eligible for tendering in any public procurement tenders with any public entity for the period of time determined by the Public Procurement Oversight Authority, if we are in breach of our obligation(s) under the tendering conditions, because we:
 1. a) have withdrawn our tender during the period of tender validity specified in the Tender Data Sheet; or
 2. b) having been notified of the acceptance of our Tender by the Procuring Entity during the period of tender validity fail or refuse to execute the contract; or fail or refuse to furnish the performance security, if so required.
3. We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer, upon our receipt of your notification or regret of the tender award letter; or thirty-eight days after the expiration of our Tender, whichever is earlier.
4. We understand that if we are a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and if the Joint Venture has not been legally constituted at the time of tendering, the Tender Securing Declaration shall be in the names of all envisaged partners as named in the letter of intent.

Signed: [insert signature of person whose name and capacity are shown] In the capacity of [insert legal capacity of person signing the Tender Securing Declaration]

Name: [insert complete name of person signing the Tender Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder] Dated on _____ day of _____, _____ [insert date of signing]

FORM 9: DECLARATION FORM

Date _____

To _____

The tenderer i.e. (name and address) _____
declare the following:

- a) Has not been debarred from participating in public procurement.
- b) Has not been involved in and will not be involved in corrupt and fraudulent practices regarding public procurement.
- c) Is not in conflict of interest in the procurement proceedings
- d) Is not insolvent, in receivership, bankrupt, or in the process of being wound up
- e) Has not been precluded from entering into a procurement contract
- f) Is not in serious violation of fair employment practices.

Title

Signature

Date

(To be signed by authorized representative and officially stamped)

FORM 10: FORM OF WRITTEN POWER OF ATTORNEY

The Tenderer consisting of a joint venture shall state here below the name and address of his representative who is authorized to receive on his behalf correspondence in connection with the Tender.

.....
(Name of Tenderer's Representative in block letters)

.....
(Address of Tenderer's Representative)

.....
(Signature of Tenderer's Representative)

TECHNICAL PROPOSAL FORMS

*{The Bidder shall present the proposed site organization, method statement, mobilization, and construction schedule in the format presented below in a consistent manner that complies with requirements stipulated in **Section V Employer's Requirements** without material deviation, reservation, or omission}*

FORM 11: SITE ORGANISATION

FORM 12: METHOD STATEMENT

FORM 13: MOBILIZATION SCHEDULE

FORM 14: CONSTRUCTION SCHEDULE

FORM 15: CONTRACTOR'S EQUIPMENT

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in *Section III, Evaluation and Qualification Criteria*. A separate Form shall be prepared for each item of equipment listed. The Bidder shall provide all the information requested below, to the extent possible. The Bidder shall attach in annex the evidence of either ownership or lease of each of the listed key equipment.

Type of Equipment	
Equipment Information	Name of manufacturer
	Capacity
Current Status	Model and power rating
	Year of manufacture
Current Status	Current location
	Details of current commitments
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured

The following information shall be provided only for equipment not owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name
	Email	Contact title
Agreements	Details of rental / lease / manufacture agreements specific to the project	

FORM 16: PERSONNEL

Bidders should provide the names of suitably qualified key personnel to meet the specified requirements for each of the positions listed in *Section III Evaluation and Qualification Criteria*. The data on their experience should be supplied using the Form below for each personnel. The academic and professional certificates shall be attached in annex.

1.	Title of position
	Name
2.	Title of position
	Name
3.	Title of position
	Name
4.	Title of position
	Name
5.	Title of position
	Name
6.	Title of position
	Name
etc.	Title of position
	Name

FORM 17: CURRICULUM VITAE OF PROPOSED PERSONNEL

Key Personnel

Name of Bidder

Position [#1]: [title of position from Form 15]											
Personnel information	<table border="1"> <tr> <td>Name:</td> <td>Date of birth:</td> </tr> <tr> <td>Address:</td> <td>E-mail:</td> </tr> <tr> <td colspan="2">Professional qualifications:</td> </tr> <tr> <td colspan="2">Academic qualifications:</td> </tr> <tr> <td colspan="2">Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i></td> </tr> </table>	Name:	Date of birth:	Address:	E-mail:	Professional qualifications:		Academic qualifications:		Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>	
Name:	Date of birth:										
Address:	E-mail:										
Professional qualifications:											
Academic qualifications:											
Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>											
Details	<table border="1"> <tr> <td colspan="2">Address of employer:</td> </tr> <tr> <td>Telephone:</td> <td>Contact (manager / personnel officer):</td> </tr> <tr> <td>Fax:</td> <td></td> </tr> <tr> <td>Job title:</td> <td>Years with present employer:</td> </tr> </table>	Address of employer:		Telephone:	Contact (manager / personnel officer):	Fax:		Job title:	Years with present employer:		
Address of employer:											
Telephone:	Contact (manager / personnel officer):										
Fax:											
Job title:	Years with present employer:										

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	Role	Duration of involvement	Relevant experience
<i>[main project details]</i>	<i>[role and responsibilities on the project]</i>	<i>[time in role]</i>	<i>[describe the experience relevant to this position]</i>

Declaration: I, the undersigned Key Personnel, certify that to the best of my knowledge and belief, the information contained herein correctly describes myself, my qualifications and my experience. I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	Details
Commitment to duration of contract:	<i>[insert period (start and end dates) for which this Key Personnel is available to work on this contract]</i>
Time commitment:	<i>[insert the number of days/week/months/ that this Key Personnel will be engaged]</i>

I understand that any misrepresentation or omission in this Form may:

- (a) be taken into consideration during Bid evaluation;
- (b) my disqualification from participating in the Bid;
- (c) my dismissal from the contract.

Name of Key Personnel: *[insert name]*

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day month year): _____

FORM 18: DETAILS OF SUB-CONTRACTORS

If the Tenderer wishes to sublet any portions of the Works under any heading, he must give below details of the sub-contractors he intends to employ for each portion.

Failure to comply with this requirement may invalidate the tender.

(1) *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:*

(2) *Portion of Works to 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:*

[Signature of Tenderer)

Date

BIDDER'S QUALIFICATION FORMS

FORM 19: TENDER QUESTIONNAIRE

{Please fill in block letters}

1. Full names of tenderer

.....

2. Full address of tenderer to which tender correspondence is to be sent (unless an agent has been appointed below)

.....

3. Telephone number (s) of tenderer

.....

4. Telex address of tenderer

.....

5. Name of tenderer's representative to be contacted on matters of the tender during the tender period

.....

6. Details of tenderer's nominated agent (if any) to receive tender notices. This is essential if the tenderer does not have his registered address in Kenya (name, address, telephone, telex)

.....

Title:

Signature of Tenderer:

Date:

FORM 20: PENDING LITIGATION AND ARBITRATION

[The Bidder shall provide details of all pending litigations and arbitrations using the following form]

Year	Other Party	Cause of Dispute	Amount involved (KES)

I certify that the above information is correct.

.....
Title

.....
Signature

.....
Date

FORM 21: FINANCIAL SITUATION

{The Bidder shall fill completely the following form and attach to the bid the copies of audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following conditions: (a) Must reflect the financial situation of the Bidder and not sister or parent companies; (b) Must be audited by a certified accountant; (c) Must be complete, including all notes to the financial statements; (d) Must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted)}

Bidder Name:

Date: _____

Tender Number

Tender Description:

Financial information in Kenya Shilling	Historic information for previous 5 years						
	Year 1	Year 2	Year 3	Year 4	Year 5	Avg.	Avg. Ratio
Information from Balance Sheet							
Total Assets (TA)							
Total Liabilities (TL)							
Net Worth (NW=TA-TL)							
Current Assets (CA)							
Current Liabilities (CL)							
Working Capital (CA-CL)							
Information from Income Statement							
Total Revenue (TR)							
Profits Before Taxes (PBT)							
Profit After Taxes							

FORM 22: FINANCIAL RESOURCES

The Bidder shall specify the proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in *Section III Evaluation and Qualification Criteria* and attach documentary evidence of each source.

Bidder Name:
Tender Number
Tender Description:

Date: _____

No.	Source of financing	Amount (KShs)
1	Working Capital	
2	Credit Line	
3	Other financial resources	
Total available financial resources		

FORM 23: AVERAGE ANNUAL TURNOVER

Bidder Name:
Tender Number
Tender Description:

Date: _____

<i>Annual turnover data (construction only)</i>			
<i>Year</i>	<i>Amount in Currency</i>	<i>Exchange Rate</i>	<i>Amount (KShs)</i>
<i>*Average Annual Construction Turnover</i>			

*Average annual turnover calculated as total certified payments received for work in progress or completed over the number of years specified in *Section III Evaluation and Qualification Criteria* divided by that same number of years.

FORM 24: SCHEDULE OF ONGOING PROJECTS

Employer	Description of Works	Total Value of Works (Kshs)	Value of Outstanding Work (Kshs)	Contract Period (Years)	Date of Commencement	Remaining Contract Period in months

I certify that the above Works are being carried out by ourselves and that the above information is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

FORM 25: COMPLETED WORKS

*{The Bidder to list completed works carried out by the Bidder in the last **five** years}*

Employer	Description of Works	Total Value of Works (KES)	Contract Period (Years)	Year Completed

I certify that the above works were successfully carried out and completed by ourselves.

.....
(Title)

.....
(Signature)

.....
(Date)

*Value in Kshs using Central Bank of Kenya mean exchange rate at a reference date 30 days before date of tender opening.

FORM 26: GENERAL EXPERIENCE

Bidder Name:
 Tender Number
 Tender Description:

Date: _____

Starting Month / Year	Ending Month / Year	Year	Contract Identification
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address:
			Contract name: Contract Value: Brief Description of the Works performed by the Bidder: Name of Employer: Address:

FORM 27: SPECIFIC EXPERIENCE

Similar Contract Number: ___ [insert specific number] of ___ [insert total number of contracts required]	Information		
<i>Contract Identification</i>			
<i>Award date</i> <i>Completion date</i>			
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
<i>Total contract amount</i>			<i>KSHS</i>
<i>If partner in a JVCA or subcontractor, specify participation of total contract amount</i>	_____%	_____	<i>KSHS</i>
<i>Employer's Name:</i>			
<i>Address:</i> <i>Telephone:</i> <i>E-mail:</i>			

SUPPLEMENTARY DOCUMENTS

The Bidder shall provide certified copies of documents and information as annex to the bid:

Annex 1: Certificate of Incorporation or Registration

Annex 2: CR 12 dated within the last 12 months from date of submission of bids

Annex 3: Registration with NCA Category 6 or higher on electrical works

Annex 4: Certificate from the Energy and Petroleum Regulatory Authority

Annex 5: Value Added Tax Certificate

Annex 6: Tax Compliance Certificate

Annex 7: Valid Business Permit or Trade License

Annex 8: Copies of audited financial statements for the latest three years

Annex 9: Letter from a financial institution as evidence of financial resources

Annex 10: Contract Agreement or Purchase orders to meet general experience criteria

Annex 11: Contract Agreement or Purchase Orders to meet the specific experience criteria

Annex 12: Academic certificates for each of the proposed personnel

Annex 13: Professional certificates for each of the proposed personnel

Annex 14: Ownership or lease documents for each of the proposed equipment

Annex 15: Contact of the Bidder's bankers using the following form:

Name of Bank	
Physical Address	
Telephone	
Email	
Bank Account Number	
Contact Person	

Annex 16: Confidential business questionnaire

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

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

Part 1 – General

Business Name

Location of business premises; Country/Town.....

Plot No..... Street/Road

Postal Address..... Tel No.....

Nature of Business.....

Current Trade Licence No..... Expiring date.....

Maximum value of business which you can handle at any time: K.
pound.....

Name of your bankers.....

Branch.....

Part 2 (a) – Sole Proprietor

Your name in full..... Age.....

Nationality..... Country of Origin.....

*Citizenship details

Part 2 (b) – Partnership

Give details of partners as follows:

	<i>Name in full</i>	<i>Nationality</i>	<i>Citizenship Details</i>	<i>Shares</i>
1.
2.
3.

Part 2(c) – Registered Company:

Private or public.....

State the nominal and issued capital of the Company-

Nominal Kshs.....

Issued Kshs.....

Give details of all directors as follows:

Name in full . Nationality. Citizenship Details*. Shares.

1.

2.

3.

Part 2(d) – Interest in the Firm:

Is there any person / persons in(Name of Employer) who has interest in this firm? Yes/No.....(Delete as necessary)

I certify that the information given above is correct.

.....
(Title)

.....
(Signature)

.....
(Date)

* Attach proof of citizenship

Annex 17. Certificate of Tenderer's Visit to Site

This is to certify that

[Name/s]

.....
Being the authorized representative/Agent of [Name of Tenderer]

.....
*participated in the organized inspection visit of the site of the works for the
(Name of Contract:*

..... day of.....20.....

*Signed.....
(Employer's Representative)*

.....
*NOTE: This form is to be completed whether the site visit is made at the time of the organized site or
privately organized.*

Annex n: Other Documents

[Add other annexes as necessary to meet the requirements]

SECTION V: SPECIFICATIONS

Notes for preparing Specifications

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

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

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

GENERAL SPECIFICATIONS OF THE WORKS

The Contractor shall in carrying out the electrical Works undertake the specific tasks set out by the Engineer in this Annex. The Work shall be carried out in accordance with the Specification which are attached and form part of the Contract.

(The Engineer will list the tasks specific to each Contract which may include, among others, the following;

- Excavation and Backfilling
- Concrete Works

1.1 Mono Pole Structure and Lighting

The High Mast lighting shall be the type incorporating a lantern carriage which can be raised and lowered by using a winch at the base of the mast.

The High mast columns shall be continuously tapered with circular or polygonal cross section that presents an aesthetically pleasant and slim appearance.

The stainless steel used shall have adequate corrosion resistance to chlorides in the atmosphere as grade 1.4401 or 1.4404 grade stainless steel to BS EN 10088-2 or equal to Engineer's approval.

The mast shall be designed in accordance with the Technical Report No. 7 of the Institution of Public Lighting Engineers (UK), and designed for a maximum wind speed of 50m/s (3sec gust at 10m above the ground level). The deflection at the top of the mast at wind gusts of 30m/s shall not exceed 1/40 of the mast height.

Each high mast shall have a facility for raising and lowering the luminaire carriage by means of a winch and wire ropes. The winch shall be fixed to the base compartment of the mast and shall be removable and replaceable for use for protection against vandals.

The mast columns shall be supplied in sections not exceeding 15,000mm in length but which are within the manufacture's standard production range to keep the costs to a minimum.

There will be provision for earthing the mast by means of a 12mm diameter stainless steel stud with nuts and washers fixed to the main body of the mast structure in the base compartment.

The mast shall be provided with effective lightning arrester using 1200mm aerial terminal at the top and effective earthing of the mast.

CONTROL GEAR

The control gear shall operate at 240V Single Phase at a frequency of 50Hz. The ballast shall be Electronic and the lamps able to switch on at +/-10% of nominal voltage and capable of sustaining normal operation at 20% voltage dip for four seconds.

The control gear shall not exceed 10% of the normal lamp wattage. Ripple suppression device shall be provided and power factor compensation maintained at; at least 0.9 lagging. Ballast shall be copper wound with insulation class F.

LAMPS

The flood light fitting as Bridgelux 400W LED lamp or equivalent shall be used and give better economy during operation with substantially less energy consumption.

OBSTACLE LAMPS

Each mast shall be equipped with two low intensity obstacle lamps type A, complying to Specification Section 4100.

The obstacle lamps shall be fixed to the moveable luminaire carriage and shall protrude above the canopy of the top assembly and shall act as Aircraft Warning Lights.

BASE COMPARTMENT

A compartment shall be provided at the base of each mast. The opening shall be secured against vandals and external interference with recessed non-standard socket screws.

A back plate shall be provided for mounting the electrical control switchgear.

The cable entry shall be provided from a central hole in the base flange.

The winch for raising and lowering shall be mounted in the base compartment.

HEAD FRAME ASSEMBLY

The head frame assembly shall be of welded steel construction and hot dip galvanized. Pulley wheels for the hoist rope shall be made from cast aluminium alloy and shall have large diameters suitable for the recommended bending radii of the power cable. Close fitting removable guards shall be provided over the pulleys to ensure the wire ropes and cables remain in the correct groove when operating in the loaded or slack position.

The shaft on which the pulley wheels revolve shall be made from approved corrosion resistant material. The shaft shall be securely welded to head frame assembly to prevent rotation. Any lubrication shall be for the lifetime of the pulley assembly. The wire rope and power cable shall operate in separate pulleys and the two shall be separated by means of guards and other suitable mechanisms.

The head frame assembly shall fit on top of the mast and approved devices shall be provided to prevent its rotation. The head frame assembly shall be covered by an approved aluminium or stainless steel canopy. The canopy shall be secured to the assembly using stainless steel bolts. The head frame assembly shall be designed and manufactured to last the lifetime of the mast without necessity for maintenance.

The head frame assembly shall incorporate a lightning protection with a stainless steel aerial terminal connected to the mast column by a minimum of 50mm² copper conductor.

LUMINAIRE CARRIAGE

The luminaire carriage shall be of robust construction with minimum number of individual components. The carriage shall be made such that it can be fitted and removed from the mast after erection.

Each Luminaire carriage shall be designed to carry a maximum 12No. 400W HID luminaire or approved equivalent. The luminaire carriage shall be made of

hot dip galvanized steel in the form of a circular ring or a regular polygon, split in diameter to facilitate fitting and removal. The required number of pre – drilled mounting plates designed for attaching the luminaires, accessories and access points shall be welded to the luminaire carriage prior to galvanizing.

The luminaire carriage shall be made such that it can be lowered along the entire height of the mast using 2 or 3 wire ropes connected to a winch. The mechanisms for guiding the luminaire carriage shall be of approved type and shall be guided so as to leave no visible marks along the mast surface. The mechanism shall be of inconspicuous design.

Type test certificates shall be submitted for each winch from the manufacturer.

Safety features provided shall be such as to prevent any uncontrolled drop of the luminaire carriage, and the safety devices shall automatically go into the locked position whenever the operating handle or driving tool is disengaged. A provision shall be made for the remote operation of the winch with a remote console at 5 metres from the mast base.

MAST WIRE

The mast shall be fitted with stranded stainless steel wire rope with a minimum tensile strength of 1625N/mm² with a factor of safety of 5 times the SWL of the winch. The wire rope shall be terminated using a compression crimp joint or clamp grip. Thimbles or eyes shall be fitted as required. The terminations shall be strictly in accordance with BS 302.

Additional safety chain kits shall be provided and connected in between the rope shackle and the cleat, located inside the base when luminaire carriage is in the raised position.

MAST POWER CABLE

The mast power cable shall be flexible Class 5, suitable for bending and load carrying stresses involved in the type of application.

The cable shall be of multi core construction to BS 6977 type HO7 RN – F, 600/1000V grade. The cable shall be made from fine stranded copper conductor with Ethylene Propylene Rubber (EPR) insulation with an external overall sheath of heavy duty PolyChloroPrene (PCP).

The cable shall have two spare cores for connection to future loads. The cable shall be terminated in a correctly rated multi – pin weather proof plug and socket within the base compartment to ensure quick isolation when lowering the luminaire carriage.

All conductors shall be 2.5mm² Copper. A second isolation point shall be provided at the luminaire carriage. It shall be possible to energise and carry out tests when the luminaire carriage is at the ground level.

ELECTRICAL WIRING

A terminal power distribution board shall be fitted on the back plate in the base compartment of the mast. The distribution board shall be made from corrosion resistant material and shall be weather proof with minimum IP 66 to BS 60529. The board shall have provision for incoming power cable and all the other cables distributing power within the mast.

ELECTRICAL POWER TOOLS

Two (2No.) Power tools shall be provided for raising and lowering the luminaire carriage.

The tool speed shall be related to the winch operational speed. The tool shall operate at 240V, 50Hz Single Phase power supply. The power tool shall include an automatic torque limiter.

Remote operation of the power tool shall be provided using removable control cable and hand held console.

FOUNDATION

The anchor bolts shall be provided with anchor plate for casting into the reinforced concrete foundation.

The anchor Bolts shall measure 12x M3* 3000mm made from guaranteed high performance tensile steel Grade Fe 510 C. The precision made base steel template shall be of steel Grade Fe 430 C. With tube holes to ensure that correct vertical and horizontal alignment is achieved.

The contractor shall provide a foundation working design based on soil test results and wind loading as specified

1.1.1.1 Standards

1. Height of Mast: **30Metres**
2. No. Sections: **3 Sections**
3. Materials for Construction: **BS – EN 10 025**
4. Grade Fe 410 WA: **IS 2062**
5. Thickness: **Top – 6mm**
Middle – 8mm
Bottom = 8mm
6. No of Longitudinal welds/section: **One**
7. No. of Circumferential welds/section -: **none**
8. Cross Section of Mast: **12 Sided Polygon**
9. Length of Section: **Not exceeding 15,000mm**
10. Top Diameter: **280mm**
11. Base Diameter: **610mm**
12. Type of Joint: **Stress Fit**
13. Length of Overlap: **Top: 600mm**
Bottom: 600mm
14. Metal Protection: **Hot Dip Galvanised (inside & outside) - BS EN ISO 1461**
15. Method of Dipping: **Single Dipping**
16. Average thickness of Galvanisation: **85micron (Bottom)**
65micron (middle & top)
17. Maximum Weight: **1,400kg**
18. Base Plate Thickness: **30mm**

19. Lightning Protection: **GI Single Spike (1,200mm)**

The measurements given above are approximate and minor variations from the different manufacturers will be expected.

The mast shall be continuously tapered polygon section presenting an environmentally presentable aesthetics.

1.1.1.2 Basic Design Wind Speeds

The monopole is designed, for the purpose of assessing its structural strength to a Basic Design Wind Speed of 33.33m/s (120 km/hr) 3-second gust speed or 22.22m/s mean hourly wind speed for all sites. This corresponds to a return period of 1 in 50 years. For the purpose of compliance check for maximum deflection (sway) of the monopole, a 1 in 20 years return period wind speed of 30.0m/s (3 second gust) or 20.0m/s mean hourly wind speed shall be used.

TECHNICAL SPECIFICATIONS FOR 30M MONOPOLE HIGH MAST LIGHTING

(The contractor to supply catalogue to be approved by Engineer but should meet all the strength conditions)

- No. of circumferential welds/section: None
- Cross section of Mast: 8 sided polygon
- Length of Individual sections: Top: 9500 mm, Middle: 9500 mm, Bottom: 9500 mm
- Base diameter and top diameter: Top diameter: 280 mm, Bottom diameter: 540mm
- Type of joints: stress fit at site.
- Length of overlap: top: 600 mm, bottom: 600 mm
- Metal protection: Hot dipped galvanized (inside & outside as per BSEN ISO 1461.
- Method of hot dipping: single dipping
- Average thickness of galvanization: 85 micron (Bottom), 65 micron (top & middle)
- Maximum weight: 1400 KG.
- Base plate thickness: 30 mm
- Lightning protection: G I single spike of length 1200mm

All dimensions are approximated, accurate and minor deviation can be allowed as per manufacturers design requirement.

Mast structure is continuously tapered of polygonal cross section presenting Good visual appearances.

Construction

Excavation of foundation to prepare fare face formwork for the foundation ready to cast inset reinforced concrete for Masts and, Excavation of cable trenches and ducts to prepare for power supply cable

Control Gear

Control gear shall be for operation at 415V AC., three phases, 50 Hz. The ballast shall be electronics specially selected for use on the type of lamps used

and lamps shall be able to start with at least $\pm 10\%$ variation of nominal voltage and continue in normal operation with dips of up to 20% for up to four seconds duration. Control gear losses shall not exceed 10% of normal lamp wattage. Ripple frequency suppression device shall be provided. The power factor shall be compensated to at least 0.9 lagging. Ballasts shall be copper wound with insulation of Class F.

Lamps

The lamps shall be patented all in one design 9x400 watts LED (light emitting diode) light.

The LED light shall have the following features:

- CREE XPE LED chips, outstanding energy saving performance
- Patented power supply technology, electricity surge and overheating auto- protection
- Patented heat dissipation technology, 50000 hours long life with minimum luminous decay
- Universal input voltage, AC/DC both work without any adapter or transformer
- High power factor to minimize total harmonic distortion
- Instant start and flicker free to reduce the eye strain
- Very even light distribution and high uniformity, no glare to eyes
- Good colour rendering, vivid colours under the light
- ISO9001, CE, UL, RoHS certified.
- 5 to 10 year warranty

Specifications

Power consumption: 400WKPA/205/2010-11EE Monopoles

Power meter

Automatic meter reading AMR/smart meter

SECTION VI: DRAWINGS

Note

1. The actual Contract drawings including site plans should be annexed in a separate booklet.

SECTION VII: BILLS OF QUANTITIES

Notes for preparing Bills of Quantities

1.0 Preamble to Bill of Quantities

- a) The Bill of Quantities shall form part of the Contract Documents and is to be read in conjunction with the Instructions to Tenderers, Conditions of Contract Parts I and II, Specifications and Drawings.
- b) The brief description of the items in the Bill of Quantities is purely for the purpose of identification, and in no way modifies or supersedes the detailed descriptions given in the conditions of Contract and Specifications for the full direction and description of work and materials.
- c) The Quantities set forth in the Bill of Quantities are estimated and provisional, representing substantially the work to be carried out, and are given to provide a common basis for tendering and comparing of Tenders. There is no guarantee to the Contractor that he will be required to carry out all the quantities of work indicated under any one particular item or group of items in the Bill of Quantities. The basis of payment shall be the Contractor's rates and the quantities of work actually done in fulfillment of his obligation under the Contract.
- d) The prices and rates inserted in the Bills of Quantities will be used for valuing work executed, and the Engineer will measure the whole of the works executed in accordance with this Contract.
- e) A price or rate shall be entered in ink against every item in the Bill of Quantities with the exception of items, which already have provisional sums, affixed thereto. The Tenderers are reminded that no "nil" or "included" rates or "lump-sum" discounts will be accepted. The rates for various items should include discounts if any. Tenderers who fail to comply will be disqualified.
- f) Provisional sums (including Dayworks) in the Bill of Quantities shall be expended in whole or in part at the discretion of the Engineer in accordance with Sub-clause 52.4 and Clause 58 of part of the Conditions of Contract.
- g) The price and rates entered in the Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional plant to be used, labour, insurance, supervision, compliance, testing, materials, erection, maintenance or works, overheads and profits, taxes and duties together with all general risks, liabilities and obligations set out or implied in the Contract, transport, electricity and telephones, water, use and replenishment of all consumables, including those required under the Contract by the Engineer and his staff.
- h) Errors will be corrected by the Employer for any arithmetic errors in computation or summation as follows:
 - (a) Where there is a discrepancy between amount in words and figures, the amount in words will govern; and

- (b) Where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern and the unit rate will be corrected.
- (c) If a Tenderer does not accept the correction of errors as outlined above, his Tender will be rejected.
- i) The Bills of Quantities, unless otherwise expressly stated therein, shall be deemed to have been prepared in accordance with the principles of the latest edition of the Civil Engineering Standard Method of Measurement (CESMM).
- j) “Authorised” “Directed” or “Approved” shall mean the authority, direction or approval of the Engineer.
- k) Unless otherwise stated, all measurements shall be net taken on the finished work carried out in accordance with the details shown on the drawings or instructed, with no allowance for extra cuts or fills, waste or additional thickness necessary to obtain the minimum finished thickness or dimensions required in this Contract. Any work performed in excess of the requirements of the plans and specifications will not be paid for, unless ordered in writing by the Engineer.
- l)
 - (a) Hard material, in this Contract, shall be defined as the material which, in the opinion of the Engineer, require blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for their removal, and which cannot be extracted by ripping with a dozer tractor of at least 150 brake horse power (112 kilowatt) with a single, rear-mounted, hydraulic ripper. Boulders of more than 0.2m³ occurring in soft material shall be classified as hard material
 - (b) Soft material shall be all material other than hard material.

2.0 The objectives of the Bills of Quantities are;

- (a) to provide sufficient information on the quantities of Works to be performed to enable tenders to be prepared efficiently and accurately;
- and
- (b) When a Contract has been entered into, to provide a priced Bills of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bills of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bills of Quantities should be as simple and brief as possible.

3.0 The Bills of Quantities should be divided generally into the following sections:

(a) Preliminaries.

The preliminaries should indicate the inclusiveness of the unit prices, and should state the methods of measurement which have been adopted in the preparation of the Bills of Quantities and which are to be used for the measurement of any part of the Works.

The number of preliminary items to be priced by the tenderer should be limited to tangible items such as site office and other temporary works, otherwise items such as security for the Works which are primarily part of the Contractor's obligations should be included in the Contractor's rates.

(b) Work Items

- (i) The items in the Bills of Quantities should be grouped into sections to distinguish between those parts of the Works which by nature, location, access, timing or any other special characteristics may give rise to different methods of construction or phasing of the Works or considerations of cost. General items common to all parts of the Works may be grouped as a separate section in the Bills of Quantities.
- (ii) The brief description of the items in the Bill of Quantities should in no way modify or supersede the detailed descriptions given in the Contract drawings, Conditions of Contract and Specifications.
- (iii) Quantities should be computed net from the Drawings, unless directed otherwise in the Contract, and no allowance should be made for bulking, shrinkage or waste. Quantities should be rounded up or down where appropriate.
- (iv) The following units of measurement and abbreviations are recommended for use.

<i>Unit</i>	<i>Abbreviation</i>	<i>Unit</i>	<i>Abbreviation</i>
cubic meter	M ³ or cu m	millimeter	mm
hectare	ha	month	mon
hour	h	number	nr
kilogram	kg	square meter	m ² or sq m
lump sum	sum	square millimeter	mm ² or sq mm
meter	m	week	wk
metric ton (1,000 kg)	t	measured separately	m.s.

- (v) The commencing surface should be identified in the description of each item for Work involving excavation, boring or drilling, for which the commencing surface is not also the original surface. The excavated surface should be identified in the description of each item for Work involving excavation for which the excavated surface is not also the final surface. The depths of Work should be measured from the commencing surface to the excavated surface, as defined.

(c) Daywork Schedule

A Daywork Schedule should be included if the probability of unforeseen work, outside the items included in the Bills of Quantities is relatively high. To facilitate checking by the Employer of the realism of rates quoted by the tenderers, the Daywork Schedule should normally comprise:

- (i) A list of the various classes of labour, and materials for which basic Daywork rates or prices are to be inserted by the tenderer, together with a statement of the conditions under which the Contractor will be paid for Work executed on a Daywork basis; and
- (ii) A percentage to be entered by the tenderer against each basic Daywork Subtotal amount for labour, materials and plant representing the Contractor's profit, overheads, supervision and other charges.

(d) Provisional Quantities and Provisional Sums

- i. Provision for quantity contingencies in any particular item or class of Work with a high expectation of quantity overrun should be made by entering specific "Provisional Quantities" or "Provisional Items" in the Bills of Quantities, and *not* by increasing the quantities for that item or class of Work beyond those of the Work normally expected to be required. To the extent not covered above, a general provision for physical contingencies (quantity overruns) should be made by including a "Provisional Sum" in the Summary of the Bills of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a "Provisional Sum" in the Summary of the Bills of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises.
- ii. Provisional Sums to cover specialized works normally carried out by Nominated Sub Contractors should be avoided and instead Bills of Quantities of the specialised Works should be included as a section of the main Bill of Quantities to be priced by the Main Contractor. The Main Contractor should be required to indicate the name (s) of the specialised firms he proposes to engage to carry out the specialized Works as his approved domestic sub-contractors. Only Provisional Sums to cover specialized Works by statutory authorities should be included in the Bills of Quantities.

- iii. Unless otherwise provided in the Contract, the Provisional Sums included in the Bills of Quantities should always be expended in whole or in part at the discretion of the Engineer after full consultation with the Employer.

(e) Summary

The Summary should contain a tabulation of the separate parts of the Bills of Quantities carried forward, with Provisional Sums for Dayworks, physical (quantity) contingencies, and price contingencies (upward price adjustment) where applicable.

SPECIAL NOTES TO TENDERERS

- a) The tenderer is required to check the number of pages of these Bills of Quantities and should he find any missing in duplicate or indistinct he must inform the Quantity Surveyor at once and have the same rectified.
- b) Should the Tenderer be in doubt about the precise meaning of any item or figure for any reason whatsoever he must inform the Project Manager in order that the correct meaning may be determined before the date for submission of tenders.
- c) No liability will be admitted or claim allowed in respect of errors in the Tenderers offer due to mistakes in the Bills of Quantities which should have been rectified in the manner described above.
- d) The Tenderer shall not alter or otherwise qualify the text of these Bills of Quantities. Any alteration or qualification made without authority will be ignored and the printed text will be adhered to.
- e) In no case will any expenses incurred by the Tenderer in preparation of this Tender be allowed.
- f) The contractor will be required to enter into contract which will be the latest Form of Agreement and Schedule of conditions of Building contract for small works (With Quantities) prepared by the Public Procurement Directorate, Ministry of Finance excepting in so far as varied hereinafter.
- g) All work in this contract shall be re-measured on completion and a final account of the contract prepared by the project Manager. The contractor will be given the opportunity to be present for all re-measurements. The final contract sum will be based on the final re-measurements. The Contractor is therefore cautioned against using the bills of quantities for ordering of materials as the quantities may change in the course of the contract. Neither should the contractor use the Quantities in the Bills of Quantities for executing work on site. The use of the bills of quantities by the contractor the above purposes shall be at the contractors own risk and no claims arising from any losses arising therefrom shall be accepted.
- h) The Copyright of these documents is vested in The Government of Kenya. This document may not be reproduced in whole or in part without their written permission. It shall also not be used for any other purpose other than the proposed project as measured and described in these Bills of Quantities.

Item	Description	Shs	Cts																											
	<p>Section No. 1</p> <p style="text-align: center;"><u>PRELIMINARIES</u></p> <p><u>Sufficiency of Tender</u></p> <p>A The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the Works and of the rates and prices stated in the priced Bills of Quantities which rates and prices shall cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the Works.</p> <p><u>Definition of Terms and Abbreviations</u></p> <p>B The Terms and Abbreviations used in this Bills of Quantities shall be interpreted as follows: -</p> <table style="margin-left: 40px;"> <tr> <td>“K.S.”</td> <td>shall mean</td> <td>Kenya Standard Specification published by The Kenya Bureau of Standards, P.O. Box 10610, Nairobi</td> </tr> <tr> <td>“B.S.”</td> <td>shall mean</td> <td>The current British Standard of Specification published by the British Standards Institution, 2 Park Street, London, W.1 England</td> </tr> <tr> <td>“NO.”</td> <td>shall Mean</td> <td>Number</td> </tr> <tr> <td>“L.M.”</td> <td>shall Mean</td> <td>Linear metres</td> </tr> <tr> <td>“S.M.”</td> <td>shall Mean</td> <td>Square metres</td> </tr> <tr> <td>“C.M.”</td> <td>shall Mean</td> <td>Cubic metres</td> </tr> <tr> <td>“Ditto.”</td> <td>shall Mean</td> <td>The whole of preceding description except where it occurs in brackets, it shall mean the whole of the preceding description which is contained within the appropriate.</td> </tr> <tr> <td>“MS”</td> <td>shall Mean</td> <td>Measured separately</td> </tr> <tr> <td>“B.S.M.”</td> <td>shall Mean</td> <td>Both sides Measured</td> </tr> </table>	“K.S.”	shall mean	Kenya Standard Specification published by The Kenya Bureau of Standards, P.O. Box 10610, Nairobi	“B.S.”	shall mean	The current British Standard of Specification published by the British Standards Institution, 2 Park Street, London, W.1 England	“NO.”	shall Mean	Number	“L.M.”	shall Mean	Linear metres	“S.M.”	shall Mean	Square metres	“C.M.”	shall Mean	Cubic metres	“Ditto.”	shall Mean	The whole of preceding description except where it occurs in brackets, it shall mean the whole of the preceding description which is contained within the appropriate.	“MS”	shall Mean	Measured separately	“B.S.M.”	shall Mean	Both sides Measured		
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“B.S.M.”	shall Mean	Both sides Measured																												
	Carried collection	Shs																												

Item	Description	Shs	Cts
A	Section No. 1 cont...		
	“P.C.” shall mean Prime Cost		
	“75 mm to 150 mm” shall mean Exceeding 75mm but not exceeding 150 mm in girth, and oil items described in this manner shall be similarly construed.		
	“A small pipe” shall mean: Any pipe not exceeding 55mm internal diameter		
	“A large pipe” shall mean: Any pipe exceeding 55mm internal diameter and not exceeding 110mm internal diameter		
B	“An extra large pipe” shall mean: Any pipe exceeding 110mm internal diameter		
	<p><u>Access to site and Temporary Roads</u></p> <p>Means of access to the Site shall be agreed with the Project Manager prior to the commencement of the works and the contractor must allow for building any temporary access roads for the transport of materials, plant and workmen as may be required for the complete execution of the Works including the provision of the temporary culverts, crossings, bridges or any other means of gaining access.</p> <p>Upon the completion of the Works, the Contractor shall remove such temporary roads, culverts, bridges, etc, and make good and reinstate all works and services disturbed to the satisfaction of the Project Manager.</p> <p><u>Area to be Occupied by the Contractor</u></p> <p>The area of the site which may be occupied by the Contractor for use as storage and for the purpose of erecting workshops, etc. shall be defined on the site by the Project Manager.</p>		
	Carried collection	Shs	

Item	Description	Shs	Cts
A	<p><u>Section No. 1 cont....</u> <u>Progress Schedule</u> Immediately after the signing of the contract, the contractor is to cooperate with the project Manager in the Preparation of a Time and Progress Schedule, and the Works are to proceed in such a manner as agreed. It is the intention also that this schedule shall be the basis for ordering materials on time, and will also be used as the basis for determining commencement and completion dates for the Sub Contractors, etc.</p>		
B	<p><u>Setting out</u> The Contractor shall set out the Works in accordance with the dimension and levels shown on the Drawings and shall be responsible for the correctness of all dimensions and levels so set out by him and will be required to amend all errors arising from inaccurate setting out at his own cost and expense. In the even of any error or discrepancy in the dimensions or levels marked on the Drawings being discovered, such errors or discrepancies by the Contractor to the Project Manager for his immediate attention.</p> <p>No work shall be commenced by the Contractor until he has received written instruction from the Project Manager to adjust such discrepancies which may be proved. Upon receipt of such instructions, the Contractor shall thereupon be responsible for accurate setting out of the Works, giving effect to the adjustments necessary to comply with such instructions and no claim for extra expense or relief from the provision of Clause 5 of the Conditions of Contract based on any discrepancy or error in the dimensions or levels shown on the drawings may be made thereafter.</p> <p>Before any work is commenced by the Sub-Contractors or Specialized Firms, dimensions must be checked on the Site and / or buildings and agreed with the Contractor, irrespective of the comparative dimensions shown on the Drawings. The Contractor shall be responsible for the accuracy of such dimensions.</p>		
C	<p><u>Existing Services</u> Prior to the commencement of any Work, the Contractor is to ascertain from the relevant Authorities the exact position, depth and levels of all existing electric cables, water pipes or other services in the area and he shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any service shall be reported immediately to the Project Manager and the relevant Authority shall be made good to their satisfaction at the Contractors expense.</p>		
	Carried collection	Shs	

Item	Description	Shs	Cts
A	<p><u>Section No. 1 cont....</u></p> <p><u>Transport to and from the Site</u></p> <p>The Contractor shall include in his prices for the transport of materials, workmen, etc, and to and from the Site of the proposed Works, at such hours and such routes as are permitted by the Authorities.</p>		
B	<p><u>Public and Private Roads, pavements, etc</u></p> <p>The Contractor will be required to make good, at his own expense, any damage he may cause to the present road surfaces and pavements during the period of the Works. In particular all the existing lawns, gardens, storm water channels, hedges, fences, etc, which may be destroyed or damaged during the progress of the Works are to be made good by the contractor to the approval of the Project Manager.</p>		
C	<p><u>Security of the Works</u></p> <p>The Contractor shall be entirely responsible for the security of all the Works, stores, materials, plant, personnel, etc, both of his own Sub-Contractors', and shall provide all necessary watching, lighting and other precautions as necessary as to ensure the security and protection of the public.</p>		
D	<p><u>Water</u></p> <p>The Contractor may tap the existing water supply at a convenient point to be agreed with the Employer. He shall provide a water meter at the point of a junction between the temporary and the permanent supply and shall pay the Employer for the water used at the same rate as currently charged by the Local Authority. All necessary temporary piping and storage tanks must be provided by the Contractor and cleared way on completion.</p>		
E	<p><u>Electric Light and Power</u></p> <p>The Contractor shall, if so required, arrange, with Power and Lighting Authority for a metered supply to site and shall pay all charges for the same and for electric current consumed during the period of the Works.</p> <p>He shall make his own arrangements with the Sub-Contractors for current provide</p>		
	<p>Carried collection</p>	<p>Shs</p>	

Item	Description	Shs	Cts
A	<p><u>Section No. 1 cont....</u></p> <p><u>Telephone</u></p> <p>The contractor shall arrange for, provide and maintain a wireless or mobile phone on the Site from the commencement to the completion of the Contract and shall pay all charges in connection therewith.</p>		
B	<p><u>Temporary Buildings for use by the Contractor & project management team.</u></p> <p>The contractor shall at his own cost, supply and erect all temporary buildings, sheds, mess rooms and stores with floors at least 150mm above ground level. No office, stores or other temporary buildings shall be erected on Site without first obtaining the consent from the Project Manager as to the type of temporary building to be supplied and the position in which they are to be erected.</p>		
C	<p><u>Sheds for Storage of Materials</u></p> <p>The Contractor shall provide and maintain on the Site, ample weatherproof sheds for storage of cement and other perishable materials and shall clear the same away on completion and make good any disturbed surfaces.</p>		
D	<p><u>Transport for Project Manager's team.</u></p> <p>Provide transport for 6No. trips to and from the site for 8No. officers</p>		
E	<p><u>Project Supervision</u></p> <p>Allow a Provisional sum of Kshs. 250,000/- for project supervision team allowances, monitoring/evaluation and facilitation of site meetings.</p>		
E	<p>Allow for Contractors profits & overhead%</p>	250,000	
F	<p><u>Signboard</u></p>		
G	<p>Provide and erect where directed and maintain during the whole period of building operations and remove at completion, two (2No) approved temporary signboards to the Project Manager's standard design and giving the title of the Works and showing the names of the Employer, Project Manager, and the Contractor with sufficient space to add the names of the nominated Sub-Contractors and suppliers. The lettering concerning the Project Manager should not be more than 50mm high.</p> <p>Allow for branding of 2No. Floodlights as instructed by the project manager.</p>		
H	<p>Carried collection</p>		

Item	Description	Shs	Cts
A	<p><u>Section No. 1 cont....</u> <u>Sanitation of the Works</u></p> <p>Sanitation of the Works shall be arranged and maintained by the Contractor to the satisfaction of the Government and Local Authorities, Labour Department and the Project Manager.</p>		
B	<p><u>Materials, Tools, Plant and Scaffolding</u></p> <p>All materials and workmanship used in the execution of the Work shall be of the best quality and description unless otherwise described. Any materials for the Works condemned by the Project Manager shall immediately be removed from the Site at the Contractor's expense.</p> <p>The Contractor shall be responsible for the provision of all materials, scaffolding, tools, plants, transport and workmen required for the Works except insofar as may be stated otherwise herein and he shall allow for the provision of the foregoing except for such items specifically and only required for the use of the Nominated Sub-Contractors as described herein.</p> <p>No timber used for scaffolding, formwork or similar purpose shall be used afterwards in the permanent Works.</p> <p>All such plant, tools and scaffolding shall comply with all regulations whether general or local in force throughout the period of the Contract and shall be altered or adapted during the Contract as may be necessary to comply with any amendments in / or additions to such regulations.</p> <p><u>Supervision and Working Hours</u></p>		
C	<p>The said Works shall be executed under the direction and to the entire satisfaction of the Project Manager, who shall at all times during normal working hours have access to the Works and to the yards and the workshops of the Contractor and Sub-Contractor or other places where work is being prepared for the Contract.</p> <p>The working hours shall be those generally worked by good employers in the Building and Civil Engineering Trade in Kenyan. No work shall be carried out at night or gazetted holidays unless the Project Manager shall so direct.</p> <p>No work shall be covered up nor shall any concreting be carried out in the absence of the Clerk of Works without the prior approval of the Project Manager in writing.</p>		
	Carried collection	Shs	

Item	Description	Shs	Cts
	<p><u>Section No. 1 cont...</u></p> <p>A <u>Training</u></p> <p>Allow in the Preliminaries of this Contract a provisional sum of Kenya shillings (Kshs) 100,000/- for training of project Manager's officers as approved & directed by the Project Manager.</p> <p>Allow for contractors profits & overheads.....%</p> <p>B <u>Existing Property</u></p> <p>The contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for all damage thereto, arising from the execution of this Contract, and he shall make good all such damages when directed at his own expenses.</p> <p>C <u>Protection of the Works</u></p> <p>The Contractor shall cover up and protect all finished works liable to damage including provision of temporary roofs, gutters, drains, etc, until the completion of the Works. In the even of any damage occurring to the Works materials, sewers, drains, gullies, paths or other Works on the Site temporarily in the possession of the Contractor alone shall be responsible and shall without extra charges, make good all damages and pay all costs which may be levied.</p> <p>D <u>Standard Measures</u></p> <p>All dimensions and measures, etc, shown on the Drawings and given in this Bills of quantities shall be metric.</p>	100,000	
	Carried collection	Shs	

Item	Description	Shs	Cts
A	<p><u>Section No. 1 cont...</u> <u>Bills of Quantities</u> The whole of the Works contained in these Bills of Quantities is measured on the basis of the Standard method of Measurements of the Building Works for the Republic of Kenya, Second Edition.</p> <p>The Method of Measurements herein used must be accepted and will be strictly adhered to for the adjustments of variations or for re-measurements as necessary. The whole of the quantities in these Bills, unless expressly otherwise stated, have been arrived at by taking the net measurements of various items of completed Works from the Drawings.</p> <p>All the Works in this Contract that is liable to adjustment has been measured as “Provisional” in these Bills of Quantities, and no excavation or foundation work or other works so described shall be filled in or covered up until all measurement needed for the Adjustments of Variations under clause 11 of the conditions of Contract have been made by the Project Manager.</p> <p>The rates set out by the Contractor against each item shall, unless otherwise expressly provided to the contrary, or unless there is a separate item for extra labour, cutting or waste, be held to include for waste on materials, carriage and cartage, carrying in and return of empties, hoisting, setting, fitting and fixing in position, making good and all other labours and everything else necessary for the completion of each item and for establishment charges and profit.</p> <p>Throughout the Bills of Quantities generally, no mention is made of heights for hoisting and all prices must include for hoisting and fixing at any level within the limit shown on the Drawings or included in the general description unless a specific level is stated.</p> <p>The Contractor shall be deemed to have made allowance in his rates generally to cover items of Preliminaries expenses in connection with P.C Sums or other items if these have not been priced against the respective items.</p> <p>These Bills of Quantities have been prepared in the elemental form and each element contains work in various trades. For the purpose of pricing, the Bills of Quantities may be taken apart and each trade collected together but when the Tender is submitted the Bills of quantities must be re-assembled in the correct order.</p>		
	Carried collection	Shs	

Item	Description	Shs	Cts
	<p><u>Section No. 1 cont...</u></p> <p style="text-align: center;">SUMMARY TO PRELIMINARIES</p> <p style="text-align: center;">COLLECTION</p> <p style="text-align: center;">Page</p> <p>44.....</p> <p style="text-align: center;">Page</p> <p>45.....</p> <p style="text-align: center;">Page</p> <p>46.....</p> <p style="text-align: center;">Page</p> <p>47.....</p> <p style="text-align: center;">Page</p> <p>48.....</p> <p style="text-align: center;">Page</p> <p>49.....</p> <p style="text-align: center;">Page</p> <p>50.....</p> <p style="text-align: center;">Page</p> <p>51.....</p>		
	<p>TOTALS CARRIED SUMMARY PAGE</p> <p>Shs</p>		

Item	Description	Unit	Qty	Rate	Amount
	<u>Section 2: 2 NO. ELECTRIC POWERED HIGH MAST FLOODLIGHTING STRUCTURES</u>				
	<u>HIGH MAST POLE INSTALLATION</u>				
	<u>Supply, Deliver, install, set to work and commission the following</u>				
A	Design, Source Equipment, procure, clear goods with Local Customs, Deliver to site, store, lift, position in place, install, test and commission 30 metre steel pylon of tapered polygonal shape stand-alone mast as specified.	No	1		
	<u>BUILDERS AND ANCILLIARY WORKS</u>				
B	Excavate oversite in red soil and /or black cotton soil to a depth of 2000mm open pit measuring 2000x 2000mm	CM	8		
C	Compact Base of open pit in 100mm bases to 300mm	CM	2		
D	50mm 1:3:6 blinding base with BRC 145	CM	2		
E	2000mm x 600mm thick reinforced concrete plinth class 1:2:4 Mix ratio (30pma)	CM	2		
F	Allow for Reinforced steel cage structure with minimum 35mm cover all round. Minimum bar size Y12 @ 150mm cc.	KG	300		
	<u>Stays and Anchors</u>				
G	32mm ϕ x 1500mm steel bolts hooked into concrete.	No.	12		
H	Allow for shuttering to the Reinforced concrete works and plinths cast in situ.	SM	4		
I	Plaster exposed plinth areas and render with steel trowel finish	SM	4		
J	Safety signage; Bone and Skull & Danger.	No	1		
	CARRIED TO COLLECTION PAGE			Kshs	

Item	Description	Unit	Qty	Rate	Amount
A	30m High Mast structure as described in the Technical specification and (m.s.) complete with Luminaire carriage assembly, 9No. 400w LED floodlights, Electrical wiring, pulleys and steel ropes. All the drawings should be submitted to the Town Engineer for approval before commencement of work. The lamps should Philips or other approved with minimum 2-year warranty from manufacturer/dealer	No.	1		
B	<u>Power Tool and Lift mechanism</u> Supply and fit an Electric driven lift mechanism for lifting the Luminaire carriage for maintenance	No.	1		
C	Civil and Structural work for each of the masts as described in the specification. All the drawings should be submitted to the Engineer for approval before commencement of work	No.	1		
D	Allow for Accessories for automation of the 1NO. masts <u>Aviation Obstruction LED lamp and Beacon</u> Allow 2No. Aviation Obstruction and beacon lights for each of the masts to Kenya Airports Authority standards	Item	Item		
E	Allow for painting of the 1NO. Masts with Red/White paint to meet the requirements of the Kenya Aviation Authority. The painting shall be carried out on site	No.	2		
F	Allow for 6 Months maintenance of each of the High Mast Allow for testing and commissioning	Item	Item		
G	K. P. & L. Co. Ltd Liaison and attendance charges as approved by the Project Manager.	No.	1		
H		No.	1		
I		No.	1		
CARRIED TO COLLECTION PAGE		Kshs			

Item	Description	Unit	Qty	Rate	Amount
A	1500VA photocell control unit as Thorn Cat No.QPK complete with 80A contactor with 240V AC contactor coil as Telemecanique or equivalent as approved by RE fitted at 3m height on galvanized steel pole or the main column stoke with bracket all to approval	No	1		
B	Galvanised steel Meter and lockable switching cabinets, ground mounted, water proofed and raised above ground on concrete base to details. Cabinet to have panel for mounting consumer unit and contactors for photocell. Rate to include concrete mounting and other accessories.	No	1		
	Earthing Conductor 6mm ECC				
C	Earthing comprising of 1500mm long by 15mm diameter copper earth electrode with a driving tip and clamp in a 300mm by 300mm man hole	M	5		
D	Sealed but removable manhole covers for above Item	No	1		
E		No	1		
CARRIED TO COLLECTION PAGE				Kshs	

Item	Description	Unit	Qty	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p>1NO. ELECTRIC POWERED HIGH MAST FLOODLIGHTING STRUCTURES</p> <p>COLLECTION</p> <p>Page No.59.....</p> <p>Page No.60.....</p> <p>Page No.61.....</p> <p>TOTAL AMOUNT FOR 1NO. ELECTRIC POWERED HIGH MAST FLOODLIGHTING STRUCTURES</p> <p>Multiply by 2 No. ELECTRIC POWERED HIGH MAST FLOODLIGHTING</p>				
	Totals Carried summary page			Kshs	

Item	Description	Unit	Qty	Rate	Amount
	SECTION 3: PROVISIONAL & PRIME COSTS SUMS				
A	Allow for provisional sums of Kenya shillings Two Hundred thousand (Kshs 200,000/-) for insurance of the works as directed by the Project Manager.				200,000
B	Allow provisional sum of Kshs 300,000 for supervision and liaison in the project as directed by the Project Manager.				300,000
C	Allow a provisional sum of Kenya Shillings Two Hundred thousand (Kshs.200, 000/=) for environmental impact assessment costs as approved by the Engineer and directed by the Project Manager.				200,000
D	Allow provisional Sums of Two Hundred Thousands (Kshs 200,000/-) for airtime for the Project Manager's Team as approved and directed by the Project Manager.				200,000
	<u>The following Prime Costs sum are for work to be executed by local authority or public undertaking</u>				
	Kenya Power & Lighting Company connection charges as approved and directed by the Project Manager.				
F	Attendance for item A-F above for Contractors overheads and profit.				850,000
G					
	Totals Carried summary page	Kshs			

Item	Description	Unit	Qty	Rate	Amount
	<u>MAIN SUMMARY</u>				
1	PRELIMINARIES				
2	2 NO. ELECTRIC POWERED HIGH MAST FLOODLIGHTING STRUCTURES				
3	PROVISIONAL AND PRIME COST SUMS				
4	SUB TOTAL 1				
	ALLOW FOR 10% CONTINGENCIES				
	SUB-TOTAL 2				
	Add 16% V.A.T				
	TOTAL AMOUNT CARRIED TO FORM OF TENDER				
<p>CONTRACTOR:</p> <p>.....</p> <p>SIGNED.....</p> <p>ADDRESS:.....</p> <p>.....</p> <p>WITNESS:</p> <p>.....</p> <p>SIGNED:.....</p> <p>DESIGNATION:.....</p>					

LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

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

LETTER OF ACCEPTANCE
[Letterhead paper of the Employer]

_____ *[date]*

To: _____
[name of the Contractor]

[address of the Contractor]

Dear Sir,

This is to notify you that your Tender dated _____
for the execution of _____
[name of the Contract and identification number, as given in the Tender documents] for the Contract
Price of Kshs. _____ *[amount in figures]* [Kenya
Shillings _____ *(amount in words)*] in accordance with the Instructions
to Tenderers is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance 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 whose registered office is
situated at] _____
(hereinafter called “the Employer”) of the one part AND
_____ of [or whose registered office is
situated at] _____
(hereinafter called “the Contractor”) of the other part.

WHEREAS THE Employer is desirous that the Contractor executes

_____ *(name and identification number of Contract)* (hereinafter called “the Works”) located
at _____ *[Place/location of the Works]* and the Employer has accepted
the tender submitted by the Contractor for the execution and completion of such Works and the
remedying of any defects therein for the Contract Price of
Kshs _____ *[Amount in figures]*, Kenya
Shillings _____ *[Amount in words]*.

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 hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
 - (i) Letter of Acceptance
 - (ii) Form of Tender
 - (iii) Conditions of Contract Part I
 - (iv) Conditions of Contract Part II and Appendix to Conditions of Contract
 - (v) Specifications
 - (vi) Drawings
 - (vii) Priced Bills of Quantities
3. In consideration of the payments to be made by the Employer to 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.
4. 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 _____

PERFORMANCE BANK GUARANTEE

To: _____ (Name of Employer) _____ (Date)
_____ (Address of Employer)

Dear Sir,

WHEREAS _____ (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ (hereinafter called "the Works");

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 without cavil 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 sum specified 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 there under 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)

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 figures] Kenya Shillings _____ [amount of Guarantee in words].

We, _____ [bank or financial institution], as instructed by the Contractor, agree unconditionally 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 in words], 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 there under 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 _____ (name of Employer) receives full payment of the same amount from the Contract.

Yours faithfully,

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness: Name: _____

Address: _____

Signature: _____

Date: _____

REQUEST FOR REVIEW

FORM RB 1

REPUBLIC OF KENYA

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

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

BETWEEN

..... APPLICANT

AND

.....RESPONDENT (*Procuring Entity*)

Request for review of the decision of the..... (*Name of the Procuring*

Entity) ofdated the...day of20.....in the matter of

Tender No.....of20...

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.

SIGNED (Applicant)

Dated on..... day of/...20...

FOR OFFICIAL USE ONLY

Lodged with the Secretary Public Procurement Administrative Review Board

on day of20.....

SIGNED

Board Secretary