



**REPUBLIC OF KENYA**

**MINISTRY OF TRANSPORT, INFRASTRUCTURE,  
HOUSING AND URBAN DEVELOPMENT,**

**STATE DEPARTMENT  
OF PUBLIC WORKS**

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**(SUPPLIES BRANCH)**

**SB/33/2016-2017**

**Supply of Fire Fighting Equipment  
& AFFF Foam Compound,  
Safety & Emergency Equipment**

**CLOSING DATE: 11<sup>th</sup> October , 2016**

**TIME: 10:00AM (EAST AFRICAN TIME)**

**SB/33/2016-2017 Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

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**SECTION I INVITATION TO TENDER**

**DATE 19<sup>th</sup> September 2016**

**TENDER REF NO.: - SB/33/2016/2017**

**TENDER NAME: - Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

- 1.1 The Principal Secretary, Ministry of Transport and Infrastructure, Housing and Urban Development, State Department of Public Works invites sealed bids from eligible candidates for supply of **Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment to Government Ministries/Departments & Institutions**. For the period of Two (2) Years commencing on the date of signed contract.
- 1.2 Interested eligible candidates may obtain further information from **supplier portal <https://supplier.treasury.go.ke>** and inspect the tender documents at **The Officer in Charge, Supplies Branch, Likoni Road, Industrial Area, P. O. Box 30071, Nairobi** during normal working hours.
- 1.3 A complete set of tender documents may be obtained by interested candidates upon payment of non-refundable fees of **1000 (One Thousand Only)** in cash or Bankers cheque payable to **The Officer in Charge, Supplies Branch, Likoni Road, Industrial Area, P. O. Box 30071, Nairobi**
- 1.4 Tenderers shall be required to submit a Tender / Bid Security of **KShs. 100,000 (Kenya Shillings One Hundred Thousand Only)** payable in bankers' cheque or cash to the Principal Secretary, Ministry of Public Works or a bid bond from **a Commercial Bank / Eligible Insurance Company** in the format provided in the Tender Documents to remain in force for a period of One Hundred and Fifty (150) days from the closing/opening date of the tender.
- 1.5 Completed tender documents are to be submitted online as indicated in 1.2 above or enclosed in plain sealed envelopes marked with tender reference number and be deposited in the Tender Box at **Supplies Branch, Likoni Road, Industrial Area, Nairobi** or be addressed to **The Officer in Charge, Supplies Branch, Likoni Road, Industrial Area, P. O. Box 30071, Nairobi** so as to be received on or before **11<sup>th</sup> October, 2016 at 10.00 A.M East African time.**
- 1.6 Prices quoted should be net inclusive of all taxes, delivery costs and must be expressed in Kenya Shillings and shall remain valid for one **Hundred and Twenty (120) days** from the closing/opening date of the tender
- 1.7 Tenders will be opened immediately thereafter in the presence of the Candidates or their representatives who choose to attend at **Supplies Branch, Likoni Road, Industrial Area, Nairobi**

**OFFICER IN CHARGE**

**SUPPLIES BRANCH**

**FOR: PRINCIPAL SECRETARY**

**STATE DEPARTMENT OF PUBLIC WORKS**

**SB/33/2016-2017 Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

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**SECTION II - INSTRUCTIONS TO TENDERERS**

**2.1 Eligible Tenderers**

- 2.1.1 This Invitation for Tenders is open to all tenderers eligible as described in the Invitation to Tender. Successful tenderers shall complete the supply of goods by the intended completion date specified in the Schedule of Requirements Section VI.
- 2.1.2 The procuring entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 2.1.3 Tenderers shall provide the qualification information statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring entity to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this Invitation for tenders.
- 2.1.4 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices.

**2.2 Eligible Goods**

- 2.2.1 All goods to be supplied under the contract shall have their origin in eligible source countries.
- 2.2.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components
- 2.2.3 The origin of goods is distinct from the nationality of the tenderer.

**2.3 Cost of Tendering**

- 2.3.1 The Tenderer shall bear all costs associated with the preparation and submission of its tender, and the procuring entity, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
- 2.3.2 The price to be charged for the tender document shall not exceed Kshs.5,000/=
- 2.3.3 All firms found capable of performing the contract satisfactorily in accordance to the set prequalification criteria shall be pre-qualified.

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**2.4 Contents of Tender Documents**

2.4.1 The tender document comprises the documents listed below and addendum issued in accordance with clause 2.6 of these instructions to Tenderers

- (i) Invitation to Tender
- (ii) Instructions to tenderers
- (iii) General Conditions of Contract
- (iv) Special Conditions of Contract
- (v) Schedule of requirements
- (vi) Technical Specifications
- (vii) Tender Form and Price Schedules
- (viii) Tender Security Form
- (ix) Contract Form
- (x) Performance Security Form
- (xi) Bank Guarantee for Advance Payment Form
- (xii) Manufacturer's Authorization Form
- (xiii) Confidential Business Questionnaire (S.33)

2.4.2 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or to submit a tender not substantially responsive to the tender documents in every respect will be at the tenderers risk and may result in the rejection of its tender.

**2.5 Clarification of Documents**

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

2.5.2 The 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.

**2.6 Amendment of Documents**

2.6.1 At any time prior to the deadline for submission of tenders, the Procuring entity, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, may modify the tender documents by amendment.

2.6.2 All prospective candidates that have received the tender documents will be notified of the

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amendment in writing or by post and will be binding on them.

- 2.6.3 In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, the Procuring entity, at its discretion, may extend the deadline for the submission of tenders.

## **Preparation of Tenders**

### **2.7 Language of Tender**

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

### **2.8 Documents Comprising of Tender**

- 2.8.1 The tender prepared by the tenderers shall comprise the following components: -
- (a) a Tender Form and a Price Schedule completed in accordance with paragraph 2.9, 2.10 and 2.11 below
  - (b) documentary evidence established in accordance with paragraph 2.1.2 that the tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
  - (c) documentary evidence established in accordance with paragraph 2.2.1 that the goods and ancillary services to be supplied by the tenderer are eligible goods and services and conform to the tender documents; and
  - (d) tender security furnished in accordance with paragraph 2.14

### **2.9 Tender Forms**

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

### **2.10 Tender Prices**

- 2.10.1 The tenderer shall indicate on the appropriate Price Schedule the unit prices and total tender price of the goods it proposes to supply under the contract
- 2.10.2 Prices indicated on the Price Schedule shall be entered separately in the following manner;
- (i) the price of the goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes

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already paid or payable:

- (ii) charges for inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination; and

2.10.1 Prices quoted by the tender shall be fixed during the Tender's performance of the contract and not subject to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to paragraph 2.22

2.10.2 The validity period of the tender shall be 120 days from the date of opening of the tender.

## **2.11 Tender Currencies**

2.11.1 Prices shall be quoted in Kenya Shillings unless otherwise specified in the Appendix to Instructions to Tenderers.

## **2.12 Tenderers Eligibility and Qualifications**

2.12.1 Pursuant to paragraph 2.1 the tenderer shall furnish, as part of its tender, documents establishing the tenderers eligibility to tender and its qualifications to perform the contract if its tender is accepted.

2.12.2 The documentary evidence of the tenderers eligibility to tender shall establish to the Procuring entity's satisfaction that the tenderer, at the time of submission of its tender, is from an eligible source country as defined under paragraph 2.1.

2.12.3 The documentary evidence of the tenderers qualifications to perform the contract if its tender is accepted shall be established to the Procuring entity's satisfaction;

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

## **2.13 Goods Eligibility and Conformity to Tender Documents**

2.13.1 Pursuant to paragraph 2.2 of this section, the tenderer shall furnish, as part of its tender documents establishing the eligibility and conformity to the tender documents of all goods which the tenderer proposes to supply under the contract

2.13.2 The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be



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confirmed by a certificate of origin issued at the time of shipment.

2.13.3 The documentary evidence of conformity of the goods to the tender documents may be in the form of literature, drawings, and data, and shall consist of:

- (a) a detailed description of the essential technical and performance characteristic of the goods;
- (b) a list giving full particulars, including available source and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of Two (2) Years, following commencement of the use of the goods by the Procuring entity; and
- (c) a clause-by-clause commentary on the Procuring entity's Technical Specifications demonstrating substantial responsiveness of the goods and service to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

2.13.4 For purposes of the documentary evidence to be furnished pursuant to paragraph 2.13.3(c) above, the tenderer shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procurement entity in its Technical Specifications, are intended to be descriptive only and not restrictive. The tenderer may substitute alternative standards, brand names, and/or catalogue numbers in its tender, provided that it demonstrates to the Procurement entity's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

## **2.14 Tender Security**

2.14.1 The tenderer shall furnish, as part of its tender, a tender security Kshs. 100,000.00 for each Tender.

2.14.2 The tender security is required to protect the Procuring entity against the risk of Tenderer's conduct which would warrant the security's forfeiture, pursuant to paragraph 2.14.7

2.14.3 The tender security shall be denominated in Kenya Shillings or in another freely convertible currency, and shall be in the form of a bank guarantee or a bank draft issued by a reputable bank located in Kenya or abroad, or a guarantee issued by a reputable insurance company in the form provided in the tender documents or another form acceptable to the Procuring entity and valid for thirty (30) days beyond the validity of the tender.

2.14.4 Any tender not secured in accordance with paragraph 2.14.1 and 2.14.3 will be rejected by the Procuring entity as non-responsive, pursuant to paragraph 2.22

2.14.5 Unsuccessful Tenderer's tender security will be discharged or returned as promptly as possible as but not later than thirty (30) days after the expiration of the period of tender validity prescribed by the Procuring entity.

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2.14.6 The successful Tenderer's tender security will be discharged upon the tenderer signing the contract, pursuant to paragraph 2.27 and furnishing the performance security, pursuant to paragraph 2.28

2.14.7 The tender security may be forfeited:

- (a) if a tenderer withdraws its tender during the period of tender validity specified by the procuring entity on the Tender Form; or
- (b) in the case of a successful tenderer, if the tenderer fails:
  - (i) to sign the contract in accordance with paragraph 2.27
  - or
  - (ii) to furnish performance security in accordance with paragraph 2.28

**2.15 Validity of Tenders**

2.15.1 Tenders shall remain valid for 120 days or as specified in the Invitation to Tender after the date of tender opening prescribed by the Procuring entity, pursuant to paragraph 2.18. A tender valid for a shorter period shall be rejected by the Procuring entity as non-responsive.

2.15.2 In exceptional circumstances, the Procuring entity may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tender security provided under paragraph 2.14 shall also be suitably extended. A tenderer may refuse the request without forfeiting its tender security. A tenderer granting the request will not be required nor permitted to modify its tender.

**2.16 Format and Signing of Tender**

2.16.1 The Procuring entity shall prepare two copies of the tender, clearly marking each "ORIGINAL TENDER" and "COPY OF TENDER," as appropriate. In the event of any discrepancy between them, the original shall govern.

2.16.2 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly authorized to bind the tenderer to the contract. The latter authorization shall be indicated by written power-of-attorney accompanying the tender. All pages of the tender, except for unamended printed literature, shall be initialed by the person or persons signing the tender.

2.16.3 The tender shall have no interlineations, erasures, or overwriting 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.

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**Submission of Tenders**

**2.17 Sealing and Marking of Tenders**

2.17.1 The Tenderer shall seal the original and each copy of the tender in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope.

2.17.2 The inner and outer envelopes shall:

(a) be addressed to the following address:

The Officer-in - Charge,  
Supplies Branch,  
State Department of Public Works,  
P. O. Box 30071-00100,  
LIKONI ROAD.

(b) Bear, tender number and name in the Invitation for Tenders and the words, “DO NOT OPEN BEFORE **11th October, 2016, 10.00 am East African Time (as per Tender Notice).**”

2.17.3 The inner envelopes shall also indicate the name and address of the tenderer to enable the tender to be returned unopened in case it is declared “late”.

2.17.4 If the outer envelope is not sealed and marked as required by paragraph 2.17.2, the Procuring entity will assume no responsibility for the tender’s misplacement or premature opening.

**2.18 Deadline for Submission of Tenders**

Tenders must be received by the Procuring entity at the address specified under paragraph 2.17.2 no later than **11th October, 2016, 10.00 am East African Time (as per Tender Notice).**

2.18.1 The Procuring entity may, at its discretion, extend this deadline for the submission of tenders by amending the tender documents in accordance with paragraph 2.6, in which case all rights and obligations of the Procuring entity and candidates previously subject to the deadline will therefore be subject to the deadline as extended

**2.19 Modification and Withdrawal of Tenders**

2.19.1 The tenderer may modify or withdraw its tender after the tender’s submission, provided that written notice of the modification, including substitution or withdrawal of the tenders, is received by the Procuring prior to the deadline prescribed for submission of tenders.

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- 2.19.2 The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.17. A withdrawal notice may also be sent by cable, telex but followed by a signed confirmation copy, postmarked not later than the deadline for submission of tenders.
- 2.19.3 No tender may be modified after the deadline for submission of tenders.
- 2.19.4 No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the tenderer on the Tender Form. Withdrawal of a tender during this interval may result in the Tenderer's forfeiture of its tender security, pursuant to paragraph 2.14.7
- 2.19.5 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 2.19.6 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.

## **Opening and Evaluation of Tenders**

### **2.20 Opening of Tenders**

- 2.20.1 The Procuring entity will open all tenders in the presence of tenderers' representatives who choose to attend, at **10.00 am East African Time on 11th October, 2016 (as per Tender Notice)** and in the location specified in the Invitation to Tender.
- 2.20.2 The tenderers' representatives who are present shall sign a register evidencing their attendance.
- 2.20.3 The tenderers' names, tender modifications or withdrawals, tender prices, discounts and the presence or absence of requisite tender security and such other details as the Procuring entity, at its discretion, may consider appropriate, will be announced at the opening.
- 2.20.4 The Procuring entity will prepare minutes of the tender opening.

### **2.21 Clarification of Tenders**

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

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**2.22 Preliminary Examination**

- 2.22.1 The Procuring entity will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.
- 2.22.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantify, the unit price shall prevail, and the total price shall be corrected. If the candidate does not accept the correction of the errors, its tender will be rejected, and its tender security forfeited. If there is a discrepancy between words and figures the amount in words will prevail
- 2.22.3 The Procuring entity may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such waiver does not prejudice or effect the relative ranking of any tenderer.
- 2.22.4 Prior to the detailed evaluation, pursuant to paragraph 2.23 the Procuring entity will determine the substantial responsiveness of each tender to the tender documents. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender documents without material deviations. The Procuring entity's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- 2.22.5 If a tender is not substantially responsive, it will be rejected by the Procuring entity and may not subsequently be made responsive by the tenderer by correction of the non-conformity.

**2.23 Conversion to Single Currency**

- 2.23.1 Where other currencies are used, the procuring entity will convert these currencies to Kenya Shillings using the selling exchange rate on the rate of tender closing provided by the Central Bank of Kenya.

**2.24 Evaluation and Comparison of Tenders**

- 2.24.1 The Procuring entity will evaluate and compare the tenders, which have been determined to be substantially responsive, pursuant to paragraph 22.
- 2.24.2 The Procuring entity's evaluation of a tender will exclude and not take into account:
- (a) in the case of goods manufactured in Kenya or goods of foreign origin already located in Kenya, sales and other similar taxes, which will be payable on the goods if a contract

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is awarded to the tenderer; and

- (c) any allowance for price adjustment during the period of execution of the contract, if provided in the tender.

2.24.3 The comparison shall be of the ex-factory/ex-warehouse/off-the-shelf price of the goods offered from within Kenya, such price to include all costs, as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods.

2.24.4 The Procuring entity's evaluation of a tender will take into account, in addition to the tender price and the price of incidental services, the following factors, in the manner and to the extent indicated in paragraph 23.5 and in the technical specifications:

- (a) delivery schedule offered in the tender;
- (b) deviations in payment schedule from that specified in the Special Conditions of Contract;
- (c) the cost of components, mandatory spare parts, and service;
- (d) the availability in Kenya of spare parts and after-sales services for the equipment offered in the tender;

2.24.5 Pursuant to paragraph 2.24.4 the following evaluation methods will be applied:

**(a) *Delivery schedule.***

- (i) The Procuring entity requires that the goods under the Invitation for Tenders shall be delivered at the time specified in the Schedule of Requirements. Tenders offering deliveries longer than the procuring entity's required delivery time will be treated as non-responsive and rejected.

**(b) *Deviation in payment schedule.***

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

**(c) *Spare parts and after sales service facilities.***

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Tenderers must offer items with service and spares parts backup. Documentary evidence and locations of such back-up must be given.

**(d) Bid Evaluation Criteria**

The specifications of the item(s) offered by the bidder will be examined and compared with the requirement's specifications and check lists drawn up for all items showing the main requirements specified and whether or not each bid complies with the requirements.

Certain deviations from the required specification are critical to the performance (or capacity) or efficient operation of the equipment concerned. Deviations of this type are classified as major deviations. Bids with one or more major deviations from the requirements will in all cases be rejected as technically non-responsive. Deviation from any requirement listed as mandatory in the technical specifications is considered a major deviation. Deviations which are not critical to the performance or efficient operation of the equipment are considered minor and will not result in rejection of the bid but the bidder will lose points on such deviations.

**(e) Technical Evaluation**

A point system will be used to rate all the technically responsive bidders with the maximum score being **60 points** distributed as below.

(i) Technical compliance

Determined by the information given by the tenderer. Minor deviation from the specification may be allowed. A maximum of **30 points** will be allotted to the tenderer whose equipment meet all the specifications.

(ii) Spare parts availability

This is to be determined by the information supplied by the tenderer as regards to local firms that deal with stocking of spare parts for the make of equipment and physical check on these dealers may be done to confirm availability of spares whose equipment spare parts dealership is proven that will earn **5 points**.

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(iii) Workshop facilities and after sales service

This is to be determined from information supplied by the tenderer as well as physical checks and the procuring entities past experience. A maximum of **5 points** will be allotted for quantity and quality of servicing facilities as well as efficiency and reliability of the service rendered by the appointed local agent.

(iv) Performance rating

A maximum of **5 points** will be allotted to tenderers on the basis of recorded past performance of equipment in the Country. Points covered will be reliability, life expectancy and suitability for local working conditions and tenderer's past record. A point will be awarded for each of the factors.

(v) Manufacturer's warranty

This is to be determined from information supplied by the tenderer. This will be on the duration of warranty with a maximum of **5 points** being allotted to the tenderer with a warranty, as indicated in that particular specification. This is important and mandatory as failure to provide warranty will mean automatic disqualification. Warranty has to be supported by equipment manufacturer.

(vi) Concurrence with vehicle and plant standardisation

A maximum of **2 points** will be allotted to tenderers on the basis of standardisation with current Government fleet, with the most populous make scoring 2 points and all other tenderers by proportion to their numbers.

(vii) Dealership

To be determined by information supplied by the tenderer as well as past experience of the procuring entity. Proven dealership will be allotted **3 points** and equipment with no local dealer or agent will be disqualified.

(viii) Environmental compatibility will earn a maximum of **5 points** basing on NEEMA and other international standards.

(f) ***Commercial Evaluation***

Only bids scoring **45 points (75%)** or more in the technical evaluation will be considered for further commercial evaluation. For the purpose of determining the lowest evaluated bid, the procuring entity shall take factors other than the price into account in the following manner. The lowest financial bid will be allotted a maximum of 40 points and the other bids will be allotted points in proportion to their bid prices as shown here



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below:

$$\frac{\text{Lowest bid} \times 40}{\text{Bid price}}$$

Bids will be ranked according to their combined technical (St) and financial (sf) scores using weights.

**T** = Weight given to the technical evaluation, maximum 60%;

**P** = the weight given to the financial evaluation, maximum point 40%.

T+P = 100%.

Sf is determined by the following formular.

$$\text{Sf} = \frac{\text{Lowest Bid}}{\text{Bid price}} \times 40$$

$$\text{S} = \text{St} + \text{Sf}$$

**S** being the total combined weighted financial and technical score.

Firm will be ranked as per the combined financial and technical scores.

## **2.25 Preference**

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

## **2.26 Contacting the Procuring entity**

2.26.1 Subject to paragraph 2.21 no tenderer shall contact the Procuring entity on any matter related to its tender, from the time of the tender opening to the time the contract is awarded.

2.26.2 Any effort by a tenderer to influence the Procuring entity in its decisions on tender, evaluation, tender comparison, or contract award may result in the rejection of the Tenderer's tender.

## **2.27 Award of Contract**

### **(a) Post-qualification**

2.27.1 In the absence of pre-qualification, the Procuring entity will determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated responsive tender is qualified to perform the contract satisfactorily.

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2.27.2 The determination will take into account the tenderer financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, pursuant to paragraph 2.12.3 as well as such other information as the Procuring entity deems necessary and appropriate.

2.27.3 An affirmative determination will be a prerequisite for award of the contract to the tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the Procuring entity will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform satisfactorily.

**(b) Award Criteria**

2.27.4 Subject to paragraph 10, 23 and 28 the Procuring entity will award the contract to the successful tenderer(s) whose tender has been determined to be substantially responsive and has been determined to be the lowest evaluated tender, provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.

**(c) Procuring entity's Right to Vary quantities**

2.27.5 The Procuring entity reserves the right at the time of contract award to increase or decrease the quantity of goods originally specified in the Schedule of requirements without any change in unit price or other terms and conditions.

**(d) Procuring entity's Right to Accept or Reject Any or All Tenders**

2.27.6 The Procuring entity reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the Procuring entity's action.

**2.28 Notification of Award**

2.28.1 Prior to the expiration of the period of tender validity, the Procuring entity will notify the successful tenderer in writing that its tender has been accepted.

2.28.2 The notification of award will constitute the formation of the Contract but will have to wait until the contract is finally signed by both parties.

2.28.3 Upon the successful Tenderer's furnishing of the performance security pursuant to paragraph 2.28, the Procuring entity will promptly notify each unsuccessful Tenderer and

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will discharge its tender security, pursuant to paragraph 2.14

**2.29 Signing of Contract**

2.29.1 At the same time as the Procuring entity notifies the successful tenderer that its tender has been accepted, the Procuring entity will send the tenderer the Contract Form provided in the tender documents, incorporating all agreements between the parties.

2.29.2 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.

2.29.3 Within thirty (30) days of receipt of the Contract Form, the successful tenderer shall sign and date the contract and return it to the Procuring entity.

**2.30 Performance Security**

2.30.1 Within Thirty (30) days of the receipt of notification of award from the Procuring entity, the successful tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents, or in another form acceptable to the Procuring entity.

2.30.2 Failure of the successful tenderer to comply with the requirements of paragraph 2.27 or paragraph 2.28 shall constitute sufficient grounds for the annulment of the award and forfeiture of the tender security, in which event the Procuring entity may make the award to the next lowest evaluated Candidate or call for new tenders.

**2.31 Corrupt Fraudulent Practices**

2.31.1 The Procuring entity requires that tenderers observe the highest standard of ethics during the procurement process and execution of contracts. In pursuance of this policy, the Procuring entity:-

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring entity, and includes collusive practice among tenderer (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Procuring entity of the benefits of free and open competition;

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- (b) will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  - (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded any contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract.
- 2.31.2 The procuring entity will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
- 2.31.3 Further a tenderer who is found to have indulged in corrupt or fraudulent practices risks being debarred from participating in public procurement in Kenya.
- 2.31.4 Furthermore, tenderers shall be aware of the provision stated in the General Conditions of Contract.

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**Section III -General Conditions of Contract**

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**Section III - General Conditions of Contract**

**3.1 Definitions**

**3.1.1** In this Contract, the following terms shall be interpreted as indicated:

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

**3.2 Application**

3.2.1 These General Conditions shall apply in all Contracts made by the Procuring entity for the procurement of goods.

**3.3 Country of Origin**

3.3.1 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced.

3.3.2 The origin of Goods and Services is distinct from the nationality of the tenderer.

**3.4 Standards**

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

**3.5 Use of Contract Documents and Information**

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- 3.5.1 The Candidate shall not, without the Procuring entity's prior written consent, disclose the Contract, or any provision thereof; or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring entity in connection therewith, to any person other than a person employed by the tenderer in the performance of the Contract.
- 3.5.2 The tenderer shall not, without the Procuring entity's prior written consent, make use of any document or information enumerated in paragraph 5.1 above.
- 3.5.3 Any document, other than the Contract itself; enumerated in paragraph 5.1 shall remain the property of the Procuring entity and shall be returned (all copies) to the Procuring entity on completion of the Tenderer's performance under the Contract if so required by the Procuring entity.

**3.6 Patent Rights**

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

**3.7 Performance Security**

- 3.7.1 Within thirty (30) days of receipt of the notification of Contract award, the successful tenderer shall furnish to the Procuring entity the performance Security in the amount specified in Special Conditions of Contract.
- 3.7.2 The proceeds of the performance security shall be payable to the Procuring entity as compensation for any loss resulting from the Tenderer's failure to complete its obligations under the Contract.
- 3.7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring entity and shall be in the form of a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in Kenya or abroad, acceptable to the Procuring entity, in the form provided in the tender documents.
- 3.7.4 The performance security will be discharged by the Procuring entity and returned to the Candidate not later than thirty (30) days following the date of completion of the Tenderer's performance obligations under the Contract, including any warranty obligations, under the Contract.

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**3.8 Inspection and Tests**

- 3.8.1 The Procuring entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications. The Procuring entity shall notify the tenderer in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 3.8.2 The inspections and tests may be conducted on the premises of the tenderer or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the tenderer or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring entity.
- 3.8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring entity may reject the Goods, and the tenderer shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring entity.
- 3.8.4 The Procuring entity's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring entity or its representative prior to the Goods' delivery.
- 3.8.5 Nothing in paragraph 8 shall in any way release the tenderer from any warranty or other obligations under this Contract.

**3.9 Packing**

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

**3.10 Delivery and Documents**

- 3.10.1 Delivery of the Goods shall be made by the tenderer in accordance with the terms specified by Procuring entity in its Schedule of Requirements and the Special Conditions of Contract.

**3.11 Insurance**



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

**3.12 Payment**

3.12.1 Payments shall be made promptly by Government Ministries, Departments or Institutions upon delivery of items procured through purchase orders by the respective entities.

**3.13 Prices**

3.13.1 Prices shall be net inclusive of all taxes and no variation of prices; except in the case of variation of taxes or other charges payable to the Government.

3.13.2 Prices charged by the tenderer for goods delivered and services performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tenderer in its tender.

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

3.13.4 Where contract price variation is allowed, the variation shall not exceed 10% of the original contract price.

3.13.5 Price variation request shall be processed by the procuring entity within 30 days of receiving the request.

**3.14 Assignment**

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

**3.15 Subcontracts**

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

**3.16 Termination for Default**

3.16.1 The Procuring entity may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tenderer, terminate this Contract in whole or in part:

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- (a) if the tenderer fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring entity.
  - (b) if the tenderer fails to perform any other obligation(s) under the Contract.
  - (c) if the tenderer, in the judgment of the Procuring entity has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 3.16.2 In the event the Procuring entity terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, Goods similar to those undelivered, and the tenderer shall be liable to the Procuring entity for any excess costs for such similar Goods.

**3.17 Liquidated Damages**

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

**3.18 Resolution of Disputes**

- 3.18.1 The procuring entity and the tenderer shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.
- 3.18.2 If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require adjudication in an agreed national or international forum, and/or international arbitration.

**3.19 Language and Law**

- 3.19.1 The language of the contract and the law governing the contract shall be English language and the Laws of Kenya respectively unless otherwise stated.

**3.20 Force Majeure**

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

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**Section IV - Special Conditions of Contract**

**4.0** Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, between the GCC and the SCC, the provisions of the SCC herein shall prevail over those in the GCC.

**4.1** The participating tenderer is expected to furnish the Procuring Entity with the following documents / information **pursuant to clause 2.12 of the Instructions to Tenderers**: -

- (a) Valid Trade License/s, copies to be attached
- (b) Reliable communication services e.g. fixed line telephone, fax, P.O. Box etc.
- (c) Evidence of past performance – copies of local purchase orders (LPOs) from established organizations to be attached, if any.
- (d) The Tenderer **MUST** possess a Certificate of Incorporation or Certificate of Registration of Business Name, Copy **MUST** be attached.
- (e) The Tenderer **MUST** possess' valid Value Added Tax (VAT) Certificate and PIN N<sup>o</sup>., Copies **MUST** be attached.
- (f) Valid Tax compliance certificate, Copy **MUST** be attached.
- (g) Copy of Registration Certificate from the Insurance Regulatory Authority for candidates using insurance guarantee as tender security.
- (h) Samples/ Technical Brochure or Catalogue **MUST** be submitted for each item offered.

**4.2** **Form of Tender and confidential business questionnaire MUST** be dully filled by the applicant / an authorized representative.

**4.3** Tenderers **MUST** submit a set of two (2) Samples (if applicable) bearing KEBS diamond mark of quality or any other relevant recognized Standardization mark. Tenderers who does not qualify for contract award and may wish to collect their samples and shall do so within a period of thirty (30) days of Tender Notification.

**4.4** Tenderers shall be required to furnish a Tender / Bid Security of **KShs. 100,000 (Kenya Shillings One Hundred Thousand Only)** payable in bankers' cheque or cash to The Principle Secretary, Ministry of Transport and Infrastructure, Housing and Urban Development or a bid bond from **a Commercial Bank / Eligible Insurance Company** in the format provided in the Tender Documents to remain in force for a period of **One Hundred and Fifty (150) days** from the closing date of the tender.

**4.5** Prices quoted should be net inclusive of all taxes and delivery must be in Kenya Shillings and shall remain valid for **One Hundred and Twenty (120) days** from the closing date of the tender.

**4.6** Tenderers shall be required to provide **a manufacturer's authorization in the format prescribed in section VIII.** The said manufacturer's authorization should also be accompanied by relevant guarantees and warranty. **Franchise holders MUST provide authorization from principal Manufacturers in the format prescribed in Section VIII.**

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**4.7** Original manufacturers' brochures containing technical data must accompany all equipment quoted. Web site download will not be acceptable unless they are original manufacturer's PDF format. Samples **MUST** be submitted to Supplies Branch's Procurement Office a day before the tender closing date.

**4.8** Tenderers shall be required to provide evidence of financial stability for at least three years. These should be in form of Audited Financial Statements and / or Bank Statements. Failure to submit the evidence may render the tender non-responsive.

**4.9** Tenderers shall be required to submit their offers in a set of two copies each one marked "ORIGINAL OFFER" and the other "COPY OF OFFER". The original and copy shall be sealed in separate envelopes duly marked as "ORIGINAL" and "COPY". In those Offers, the tenderer will also be required to park the **TECHNICAL DATA** and the **FINANCIAL DATA** separately from one another, so as to enable Technical and Financial Evaluations to be conducted independently. The envelopes shall then be sealed in one plain unmarked outer envelope bearing only the tender number **pursuant to clause 2.16 of the Instructions to Tenderers**.

**4.10** Delivery

Delivery shall be on "as and when required" basis to Ministries / Departments & Institutions. (See clause 10 of the General Conditions of Contract)

**4.11** Payment

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to the government / Departments & Institutions for **a period of Two (2) Years commencing from the date of Contract Signing**, respective Ministries / Departments & Institutions shall pay directly to the contractor on receipt of goods ordered, which in any case shall be within 45 days of receipt. . (See clause 3.12 of the General Conditions of Contract)

**4.12** Goods supplied against the contract proceeding from this procurement shall be fully insured against loss, damage incidental to manufacture or acquisition, transportation, storage and delivery to the tune of 110% of the contract value and the procuring entity will not be liable for any damage or loss prior to delivery (See clause 3.11 of the General Conditions of Contract).

**4.13** Successful tenderers shall be required to submit a performance security of **KShs. 150,000 (Kenya Shillings One Hundred and fifty Thousands only)** on receipt of a letter of notification of award in accordance with **clause 3.7 of the General Conditions of Contract**.

**4.14** Prices quoted **SHALL BE IN KENYA SHILLINGS** and should include all costs of shipment and handling until the goods are actually received at the respective Procuring Entity's premises.

**4.15 TENDERERS ARE REQUIRED TO ENSURE THAT ALL PAGES OF THEIR TENDER DOCUMENTS ARE PROPERLY SERIALIZED AND STAMPED / SIGNED AND THE DOCUMENT SHOULD BE PROPERLY BOUND. LOOSE TENDER DOCUMENTS WILL BE DECLARED NON RESPONSIVE.**

**4.16** Blacklisted and suspended firms are not eligible for this procurement.

**4.17** Each tenderer must attach to the tender document a copy of the official receipt issued from the cash office for the purchase of the tender document.

**4.18 TENDERERS ARE ADVISED TO QUOTE THEIR BID PRICES IN THE ORIGINAL PRICE SCHEDULE PROVIDED IN THIS TENDER DOCUMENT. INTRODUCTION OF A PRICE SCHEDULE DIFFERENT FROM THE ONE PROVIDED IN THIS DOCUMENT IN SECTION (VI) WILL LEAD TO DISQUALIFICATION.**

**4.19** All items to be supplied must be properly marked, or imprinted **GOK**.

**4.20** Tenderers shall not change the technical specifications specified in section (V) of this tender document.

**4.21 Test Runs, Training of Procuring entity's staff**

The successful bidder, or his local service organisation or Agent, will, after the delivery of the Bid items at the delivery point, assist the procuring entity and furnish the necessary instructions in relation to the test running and commissioning of the Bid items.

The successful tenderer will furnish assistance in the training of operator/driver and maintenance staff for the bid items. This shall be considered as after sales service.

**4.22** The tenderers (applicants) shall be required to prepare and submit **TECHNICAL DATA SHEET FORM** for each item quoted showing how it has met the requirements outlined in this Tender Document. **FAILURE TO SUBMIT THIS IMPORTANT DOCUMENT TO THE PROCURING THE ENTITY WILL LEAD TO DISQUALIFICATION.**

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**4.23** Special conditions of contract as relates to the GCC

REFERENCE OF GCC	SPECIAL CONDITIONS OF CONTRACT
3.7.1 Performance security	<i>This shall be KShs. 150,000.00 (Kenya Shillings One Hundred and Fifty only.</i>
3.10.1 Delivery of goods	<i>The delivery period for the goods shall <b>be within a period of 30 days and not exceeding 45 days on placing an LPO unless specifically indicated by the respective procuring entity.</b></i>
3.12.1 Terms of payment	<i>Payment shall be made after full delivery of goods as prescribed in the LPO.</i>
3.13.1 Prices	<i>The prices offered shall be fixed for the period stated in the Tender Invitation.</i>
2.25.1 Preference	<i>Preference-: 30% preference will be given to tenders submitted by Business Enterprises owned by Youth, Women and Persons with Disabilities.</i>

2.24.5.E.(i) <u>Technical compliance</u>	Determined by the information given by the tenderer. Minor deviation from the specification may be allowed. A maximum of <b>30 points</b> will be allotted to the tenderer whose equipment meet all the specifications.
(ii) <u>Spare parts availability</u>	This is to be determined by the information supplied by the tenderer as regards to local firms that deal with stocking of spare parts for the make of equipment and physical check on these dealers may be done to confirm availability of spares whose equipment spare parts dealership is proven that will earn <b>5 points</b> .
(iii) <u>Workshop facilities and after sales service</u>	This is to be determined from information supplied by the tenderer as well as physical checks and the procuring entities past experience. A maximum of <b>5 points</b> will be allotted for quantity and quality of servicing facilities as well as efficiency and reliability of the service rendered by the appointed local agent.
(iv) <u>Performance rating</u>	A maximum of <b>5 points</b> will be allotted to tenderers on the

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	basis of recorded past performance of equipment in the Country. Points covered will be reliability, life expectancy and suitability for local working conditions and tenderer's past record. A point will be awarded for each of the factors.
(v) <u>Manufacturer's warranty</u>	This is to be determined from information supplied by the tenderer. This will be on the duration of warranty with a maximum of <b>5 points</b> being allotted to the tenderer with a warranty, as indicated in that particular specification. This is important and mandatory as failure to provide warranty will mean automatic disqualification. Warranty has to be supported by equipment manufacturer.
(vi) <u>Concurrence with vehicle and plant standardisation</u>	A maximum of <b>2 points</b> will be allotted to tenderers on the basis of standardisation with current Government fleet, with the most populous make scoring 2 points and all other tenderers by proportion to their numbers.
(vii) <u>Dealership</u>	To be determined by information supplied by the tenderer as well as past experience of the procuring entity. Proven dealership will be allotted <b>3 points</b> and equipment with no local dealer or agent will be disqualified.
(viii) Environmental compatibility	Environmental compatibility will earn a maximum of <b>5 points</b> basing on



## **SECTION V - TECHNICAL SPECIFICATIONS**

### **5.1 General**

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

### **5.2 TECHNICAL SPECIFICATIONS PARTICULARS**

**(See technical specifications on the Price Schedule for Goods Next Page)**



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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
1(d)	Wall bracket (hook type)	No.	Fixing Wall bracket (hook type) for item 1 (a) above to BS EN 3/BS1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
2(a)	9Litre water CO <sub>2</sub> stored pressure Fire Extinguisher	No.	9Litre water CO <sub>2</sub> stored pressure Fire Extinguisher C/W cap, washer, flexible rubber hose, nozzle, siphon tube and fixing wall bracket BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
2(b)	Water CO <sub>2</sub> Operating valve	No.	Water CO <sub>2</sub> Operating valve c/w washer, flexible rubber hose, nozzle and siphon tube for item 2(a) above To BS 1004	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
3(a)	9 litre air foam fire extinguisher	No.	9 litre air foam fire extinguisher C/W cap, flexible rubber hose , spray nozzle, siphon tube, 1 litre premix form, CO <sub>2</sub> cartridge and fixing wall bracket. BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
3(b)	9 litre air foam fire extinguisher	No.	9 litre air foam fire extinguisher operating valve c/w	AWR		MSA	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
	operating valve		flexible rubber hose, spray nozzle, and siphon tube for item 3(a) above BS EN 3/ BS 1449 or Equivalent			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
3(c)	premix foam	No.	1 litre premix foam for 9 litres air foam extinguisher.  BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
3(d)	CO <sub>2</sub> cartridge	No.	75gm CO <sub>2</sub> cartridge for 9 litres air foam spray extinguisher to BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
4(a)	9 litre air foam stored pressure fire extinguisher.	No.	9 litre air foam stored pressure fire extinguisher C/W cap, flexible rubber hose, spray nozzle, siphon tube, 1 litre premix form, and fixing wall bracket. toBS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
4(b)	Air foam fire extinguisher operating valve	No.	Air foam fire extinguisher operating valve c/w flexible rubber hose, spray nozzle, and siphon tube for item 4(a)	AWR		MSA	
						KSM	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
			above to BS 1004 or Equivalent			KKMG	
						EMBU	
						GRSS	
						NRB	
5(a)	4.5Kgs dry chemical powder fire extinguisher	No.	4.5Kgs dry chemical powder fire extinguisher c/w cap washer discharge rubber hose , nozzle, CO <sub>2</sub> cartridge and fixing wall bracket to BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
5(b)	Automatic D.C.P. fire extinguisher	No.	1Kg. automatic dry chemical powder C/W cap, roof mounting wall bracket, red bulb sprinkler head at 680C temperature as standard and all other accessories BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
5(c)	Fire Extinguishing Dry Chemical Powder	No.	4.5Kgs bag of fire extinguishing dry chemical powder to BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
5(d)	Fire Extinguisher Operating Valve	No.	Dry chemical powder fire extinguisher operating valve c/w flexible rubber hose, discharge nozzle, and siphon for item 5(a) above to	AWR		MSA	
						KSM	
						KKMG	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
			BS 1004			EMBU	
						GRSS	
						NRB	
5(e)	CO <sub>2</sub> Cartridge	No.	90gm CO <sub>2</sub> Cartridge for 4.5Kgs dry chemical powder fire extinguisher to BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
6(a)	4.5Kgs dry chemical powder stored pressure fire extinguisher	No.	4.5Kgs dry chemical powder stored pressure fire extinguisher c/w cap washer discharge rubber hose, nozzle, and fixing wall bracket to BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
6(b)	Dry chemical powder fire extinguisher operating valve	No.	Dry chemical powder fire extinguisher operating valve c/w flexible rubber hose, discharge nozzle, and siphon for item 6(a) above to BS 1004 or equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
7(a)	9 Kgs dry chemical powder fire extinguisher	No.	9 Kgs dry chemical powder fire extinguisher c/w cap, washer, discharge rubber hose, nozzle, CO <sub>2</sub> cartridge and fixing wall bracket to BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
						GRSS	
						NRB	
7(b)	Fire Extinguisher Dry Chemical Powder	No.	9 Kgs bag of fire extinguisher dry chemical powder to BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
7(c)	Dry chemical powder fire extinguisher operating valve	No.	Dry chemical powder fire extinguisher operating valve c/w flexible rubber hose, discharge nozzle, and siphon for item 7(a) above to BS 1004	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
7(d)	CO <sub>2</sub> Cartridge.	No.	120/150gm CO <sub>2</sub> Cartridge for 9Kgs dry chemical powder fire extinguisher to BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
8(a)	9 Kgs dry chemical powder stored pressure fire extinguisher	No.	9 Kgs dry chemical powder stored pressure fire extinguisher c/w cap, washer discharge rubber hose, nozzle and fixing wall bracket to BS EN 3/ BS 1449 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
						NRB	
8(b)	Dry chemical powder fire extinguisher operating valve	No.	Dry chemical powder fire extinguisher operating valve c/w flexible rubber hose , discharge nozzle, and siphon for item 8(a) above to BS 1004	AWR		MSA KSM KKMG EMBU GRSS NRB	
9(a)	2 kg dry chemical, stored pressure fire extinguisher	No.	2 kg dry chemical, stored pressure fire extinguisher c/w cap, washer and discharge nozzle to BS EN 3/ BS 1449 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
9(b)	2 kg dry chemical powder fire extinguisher operating valve	No.	2 kg dry chemical powder fire extinguisher operating valve c/w washer, discharge nozzle for item 9(a) above to BS 1004 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
10(a)	1 kg dry chemical, stored pressure fire extinguisher	No.	1 kg dry chemical, stored pressure fire extinguisher c/w cap, washer and discharge nozzle to BS EN 3/ BS 1449 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	



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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
10(b)	1 kg dry chemical powder fire extinguisher operating valve	No.	1 kg dry chemical powder fire extinguisher operating valve c/w washer and discharge nozzle for item 10(a) above to BS 1004 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
11(a)	2.3 Kg CO <sub>2</sub> gas fire extinguisher (charged)	No.	2.3 Kg CO <sub>2</sub> gas fire extinguisher (charged) C/W squeeze grip operating head, discharged horn, and fixing wall bracket to BS 5045/EIB 9316/BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
11(b)	CO <sub>2</sub> gas squeeze grip operating head	No.	CO <sub>2</sub> gas squeeze grip operating head for item 11(a) above to BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
11(c)	CO <sub>2</sub> gas discharged horn		CO <sub>2</sub> gas discharged horn for item No. 11(a) above BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
12(a)	4.5 Kg CO <sub>2</sub> gas fire	No.	4.5 Kg CO <sub>2</sub> gas fire extinguisher (charged) c/w squeeze	AWR		MSA	

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	extinguisher (charged)		grip operating head, discharge nozzle and fixing bracket. BS 5045/EIB 9316/BS EN 3 or Equivalent			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
12(b)	CO <sub>2</sub> gas squeeze grip operating head	No.	CO <sub>2</sub> gas squeeze grip operating head for 12(a) above. BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
12(c)	CO <sub>2</sub> gas discharge horn	No.	CO <sub>2</sub> gas discharge horn for Item No. 12(a) above BS EN 3 or Equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
12(d)	Throwing Fire Extinguisher	No.	Throw –In fire extinguisher capable of extinguishment of Fire by production of copious amounts of Carbon Dioxide and Nitrous Gases. Throw-In action onto the fire and the landing shall initiate production of the extinguishment gases through Chemical Reactions.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
12(e)	Fixed total flooding system – Carbon Dioxide Autonomous	No.	Total Flooding Carbon Dioxide Gas Fire Suppression system capable of automatic action triggered by a solenoid-	AWR		MSA	
						KSM	

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	and Automatic Fire Extinguishing System		valve – actuated pilot cylinder and comprising of the following components: <ul style="list-style-type: none"> <li>• 3No. @ 45 kg Carbon Dioxide Gas storage cylinders C/W Valves, discharge hoses and pilot loops</li> <li>• 2.2 kg Pilot Carbon Dioxide Cylinder C/W solenoid actuation valve</li> <li>• Vent bleed and safety valve</li> <li>• Interconnection / Assembly Manifold pipe</li> <li>• Brackets &amp; Associated hoops for secure anchoring to walls.</li> </ul>			KKMG EMBU GRSS NRB	
13(a)	50 Kg dry chemical powder Trolley Type Fire Extinguisher	No.	50 Kg dry chemical powder fire extinguisher c/w propellant, trolley, operating valve, hose and discharge nozzle  BS EN 3/ BS 1449 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
13(b)	Discharge nozzle	No.	Discharge nozzle for 50 kg dry chemical Powder fire extinguisher. (trolley type) BS EN 3 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
14(a)	45 Kg CO <sub>2</sub> gas fire extinguisher	No.	45 Kg CO <sub>2</sub> gas fire extinguisher c/w, trolley, operating valve, hose and discharge horn BS EN 3/ BS 1449 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
14(b)	Discharge hose	No.	Discharge hose for 45 kg CO <sub>2</sub> gas fire extinguisher. (trolley type) BS EN 3 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
14(c)	Discharge horn	No.	Discharge horn for 45 kg CO <sub>2</sub> gas fire extinguisher. (trolley type) BS EN 3 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
15(a)	45 Liters Air Foam Trolley Type Fire Extinguisher	No.	45 Litre Air Foam fire extinguisher c/w, propellant trolley, operating valve, hose and spray nozzle BS EN 3/ BS 1449 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
15(b)	Discharge hose	No.	Discharge hose for 45 Liters Air Foam fire extinguishers. (trolley type)  BS EN 3 or Equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
15(c)		No.		AWR		MSA	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
	Spray Nozzle		Spray Nozzle for 45 Liters Air Foam fire extinguishers. (trolley type) BS EN 3 or Equivalent			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
16	Fire blanket	No.	1200mm x 1200mm Woven Fiber Glass fire blanket and tested to BS EN 1869. The blanket shall come complete with Metal/ hardened plastic container and wall fixing brackets.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
16(b)	Fire Proof Blanket	No.	2000mm x 1500mm Flame Resistant woolen Blanket with reinforced edges	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
17	11.9" wall mounted hand operated alarm bell (Gong)	No.	Aluminium Alloy, Hand-Operated Alarm Bell/ Gong capable of minimum Noise Rating of 105dB at 1.0 meter And to BS 1721 or equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
18	½ mile range tripod mounted	No.	Half-Mile Range Tripod Mounted Siren with Minimum	AWR		MSA	
						KSM	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
	alarm sounder (siren)		Sound Rating of 110+2 dB at 1.0 meters and an output frequency of 600±20 hertz single tone and to BS 1721 or Equivalent			KKMG	
						EMBU	
						GRSS	
						NRB	
19(a)	A fully portable self contained diesel engine fire pump	No.	<p>Fully Self-Contained Closed-Circuit, Water Cooled Diesel/ Petrol Engine Driven Fire Pump capable of continuous duty of minimum 1200 liters per minute at a delivery head of 10 bar at 3 meters suction lift. The pump unit shall be of Aluminium construction complete with a wrap round stainless steel frame and shall have the following features:</p> <ul style="list-style-type: none"> <li>• 4- stroke engine with electronic ignition system</li> <li>• Rotationally molded minimum 14liter fuel tank to provide one hour running duty</li> <li>• Integral solid wheels minimum 400mm diameter for maneuvering on solid floors,</li> <li>• Remote fuel tank connection facility including battery charging sockets</li> <li>• The pump set shall have no external belts</li> <li>• Comprehensive instrumentation and gauges, i.e Compound gauge - 1-0 to 16bar, Pressure gauge. 25 bar Gauge Illumination, High water temperature warning light, Choke control, On/Off Switch/Start button. Hours counter, Throttle,</li> <li>• 1No. water suction inlet 100mm dia., &amp; 2No. delivery outlets each 65mm dia., C/W Screw-Down valves with pressure release facility</li> <li>• All other necessary tools &amp; accessories.</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
19(b)	Suction Fire Hose	No.	100mm dia. x 2400mm long Nylon Reinforced PVC Suction Hose C/W Instantaneous Coupling for connection to 100mm. Metallic Suction Strainer and to a 100mm dia. Fire Pump inlet to	AWR		MSA	
						KSM	
						KKMG	
						EMBU	

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			BS 6391 or equivalent			GRSS	
						NRB	
19(c)	100mm diameter suction strainer	No.	100 mm dia. Aluminium / Copper Alloy Metallic Suction Strainer C/W instantaneous Coupling to fit onto a 100mm. dia. suction Hose to BS 6391 or equivalent	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
20(a)	A fully portable self contained petrol / diesel engine fire pump trailer mounted, complete with tank (foam / water).	No.	Fully Self-Contained Closed-Circuit, Water Cooled Diesel/ Petrol Engine Driven Fire Pump mounted on a trailer in conformation to Kenyan Road Regulations. capable of continuous duty of minimum 1200 liters per minute at a delivery head of 10 bar at 3 metres suction lift. The pump unit shall be of Aluminium construction	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<p>and shall have the following features:</p> <ul style="list-style-type: none"> <li>• 4- stroke engine with electronic ignition system</li> <li>• Rotationally molded minimum 14liter fuel tank to provide one hour running duty</li> <li>• Remote fuel tank connection facility including battery charging sockets</li> <li>• The pump set shall have no external belts</li> <li>• Comprehensive instrumentation and gauges, i.e Compound gauge - 1-0 to 16bar, Pressure gauge. 25 bar Gauge Illumination, High water temperature warning light, Choke control, On/Off Switch/Start button, hours counter &amp; Throttle,</li> <li>• 1No. water suction inlet 100mm dia., &amp; 2No. delivery outlets each 65mm dia., C/W Screw-Down valves with pressure release facility</li> <li>• All other necessary tools &amp; accessories.</li> </ul> <p>The trailer chassis shall be constructed from rolled steel with galvanized finish. The foam concentrate tanks(s) shall be lined in epoxy and include baffle plates to prevent water surge when towing. The tank shall include a 250mm. dia. quick release auto vent fill lid and sight glass level as standard.</p> <p>The trailer should include full road lighting c/w lenses protection guards, auto-reverse breaking system, cantilever hand brakes and auto overrun brakes as well as jockey wheel and four Industrial, fully adjustable stabilizers.</p> <p>The Foam Tank(s) shall be of total capacity 900 litres and shall have self-inducing foam /Water monitor, Mounted / bolted onto the top of the tank.</p> <p>The trailer shall allow for adequate space for operation of the fire fighting equipment by at least 2No. Firemen.</p>			NRB	
		No.	25 meters x 65 mm dia. rubber lined delivery hose c/w	AWR		MSA	



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20(b)	Delivery Hose		male and female couplings BS 6391			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
20(c)	65mm dia. Male Coupling	No.	Male couplings for 65mm. dia. Delivery Hose BS 6391	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
20(d)	65mm dia. Female coupling	No.	Female coupling for 65mm. dia. delivery hose BS 6391	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
20(e)	PVC / PU coated Fire Hose	No.	PVC / PU coating fire hose 25 meters x 65 mm. dia. delivery hose complete with male and female coupling red type BS 6391	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
20(f)	Alloy solid water branch pipe	No.	Alloy solid water branch pipe.(Various sizes)	AWR		MSA	
						KSM	

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			BS 336			KKMG	
						EMBU	
						GRSS	
						NRB	
20(g)	Hand Controlled Branch Pipe	No.	6mm. dia. nozzle alloy hand controlled branch pipe BS 336	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
21(a)	swinging type hose reel	No.	20mm. dia x 30 metres long swinging type hose reel c/w nozzle BS EN 671-1:1995	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
21(b)	Hose Reel tubing	No.	20mm. dia x 30 metres long (tubing) for item 23 (a) above EN 694	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
21(c)	Nylon Nozzle	No.	Red Nylon Nozzle with at least 15 meter throw	AWR		MSA	
						KSM	
						KKMG	

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			EN 694			EMBU	
						GRSS	
						NRB	
22	Fixed Type Hose Reel	No.	20mm. diameter x 30 meters long fixed type hose reel c/w nozzle BS EN 671-1:1995	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
23(a)	Underground Fire Hydrant	No.	65mm screw down valve underground fire hydrant 65mm diameter single outlet stand pipe, key & poker to BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
23(b)	outlet stand pipe	No.	65mm outlet stand pipe for item No. 25(a) BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
23(c)	Poker and key	No.	Poker and key for item No 25 (a) above BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	

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						GRSS	
						NRB	
23(d)	Poker	No.	Poker for item No. 25 (a) above BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
23(e)	Key	No.	Key for item No 25(a) BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
23(f)	dividing breech.	No.	65mm diameter dividing breech. BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
23(g)	collecting breech	No.	65mm diameter collecting breech BS750	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
						NRB	
24(a)	AFFF concentrate	No.	Aqueous Film Forming Foam(AFFF) Concentrate in 20Ltr plastic container marked G.K. Specific gravity at 15° C -1.03 + 0.01 g/cm <sup>3</sup> Viscosity at 20° C -5 + 3 mm <sup>2</sup> /sec PH at 20° C -7.5 + 1.0 Pour point -10 to -15° C BS EN3/BS1449/BS1004 or equivalent	AWR		MSA KSM KKMG EMBU GRSS NRB	
24(b)	AFFF concentrate	No.	Aqueous Film Forming Foam(AFFF) Concentrate in 200Litres plastic container marked G.K. BS EN3/BS1449/BS1004 Specifications as for 24(a) above	AWR		MSA KSM KKMG EMBU GRSS NRB	
25 (a)	Fluoro Protein foam	No.	Fluoro Protein foam 6% packed in 200 liters Drums BS EN 1568: Fire Extinguishing Media, foam concentrates Part 1 – specification for medium expansion foam concentrates for surface application to water – immiscible liquids.	AWR		MSA KSM KKMG EMBU GRSS NRB	
25 (b)	Fluoro Protein foam	No.	Fluoro Protein foam 6% packed in 200 liters Drums BS EN 1568: Fire Extinguishing Media, foam concentrates Part 2 – specification for high expansion foam concentrates for surface application to water – immiscible liquids.	AWR		MSA KSM KKMG EMBU GRSS NRB	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
25 (c)	Fluoro Protein foam	No.	Fluoro Protein foam 6% packed in 200 liters Drums BS EN 1568: Fire Extinguishing Media, foam concentrates Part 3 – specification for low expansion foam concentrates for surface application to water – immiscible liquids.	AWR		MSA KSM KKMG EMBU GRSS NRB	
25 (d)	Fluoro Protein foam	No.	Fluoro Protein foam 6% packed in 200 liters Drums BS EN 1568: Fire Extinguishing Media, foam concentrates Part 4 – specification for low expansion foam concentrates for surface application to water – immiscible liquids.	AWR		MSA KSM KKMG EMBU GRSS NRB	
26	Water/Foam Trailers 900Litres	No.	Water Foam Trailer suitable for mounting in conformation with Kenyan Road regulation. The trailer chassis shall be constructed from rolled steel			KKMG EMBU GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<p>with galvanized finish. The foam concentrate tank(s) shall be lined in epoxy and include baffle plates to prevent water surge when towing. The tank shall include a 250mm. dia. Quick release auto vent fill lid and sight glass level as standard.</p> <p>The trailer should include full road lighting c/w lenses protection guards, auto-reverse breaking system, cantilever hand brakes and auto overrun brakes as well as jockey wheel and for Industrial fully adjustable stabilizers.</p> <p>The foam concentrate Tank(s) shall be of total capacity 900 liters and shall have self-inducing foam/water monitor, Mounted/bolted onto the top of the tank, with the following features;</p> <ul style="list-style-type: none"> <li>• Foam production of 1800 liters/min at a water flow of 180litres/min and water inlet pressure of 5 bar.</li> <li>• Approximate running time-minutes</li> <li>• Foam throw from branchpipe-14metres</li> </ul>			NRB	
27	Mobile foam Generator	No.	<p>Mobile foam trolley unit on 2No. solid rubber wheels minimum 400mm dia. comprising a chemically resistant minimum 120 liters Glass fiber foam concentrate tank and with hose storage compartment. The unit shall comprise of:</p> <ul style="list-style-type: none"> <li>• 1No. 40mm diameter x 15 meters long synthetic fire suction hose C/W Instantaneous connectors foam inductor and to a 65mm. dia. Fire hydrant Stand pipe outlet</li> <li>• A Variable Foam Concentrate pick-up Inductor with on-off valve capable of producing 1800 liters/min of foam with a water flow of 180 liters/min. at 5 bar inlet pressure</li> <li>• Stainless Steel Foam Pick-Up tube coupled to a reinforced PVC pick-up hose</li> <li>• Low Expansion foam branch pipe capable of foam throw of minimum 14 meters with the inductor conditions mentioned above.</li> </ul>	AWR		MSA KSM KKMG EMBU GRSS NRB	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
28	Graz mist hydrants	No.	<p>Water-Mist generating hydrant station for production of water mist suitable for extinguishment of fires involving valuable goods, electronics, live electrical equipment with voltages up to 240 KV etc</p> <p>The hydrant system shall be capable of water usage rate of 6 liters / minute to produce droplets of max. 25 microns.</p> <p>The hydrant shall be suitable for connection to both water and pressurized air supply each at 2.0 bar pressure to produce 4 Cu Meters of mist per minute.</p> <p>The installation shall comprise:-</p> <ul style="list-style-type: none"> <li>• Drum/ Winder and 30 meters long x 20mm diameter Air- Water Hose</li> <li>• Jet complete with mist nozzle suitable for production of 4 Cu Meters of mist per minute of max. 25 microns at a water flow rate of 6 liters/min.</li> <li>• Instantaneous connection outlets for both water and compressed air C/W isolation valves, including a set of flow and pressure controls.</li> <li>• Sheet metal cabinet for housing of the above equipment. The cabinet shall be of robust construction with legs suitable for grouting into a concrete ground level slab, and shall have a breakable transparent glass door.</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
29	Portable compact mist and foam units	No.	<p>Self- Contained portable Water- Mist/and foam generating unit capable of the following duty:-</p> <p><b>MIST PRODUCTION</b></p>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	



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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<p>Production of 4 cu Meters of mist per minute of max. 25 microns at a water flow rate of 6 liters/min, with the mist being mist suitable for extinguishment of fires involving valuable goods, electronics, live electrical equipment with voltages up to 240 KV etc</p> <p><b>FOAM PRODUCTION</b></p> <p>Production of 1800 liters/min of foam with a water flow of 180 liters/ min. at 5 bar inlet pressure</p> <p>The unit shall comprise the following:-</p> <ul style="list-style-type: none"> <li>• Diesel/Petrol pump to power the Water Pump and the Air Compressor,</li> <li>• Water Pump capable of duty 10 liters/ minute at delivery pressure of 4 bar at 3 meters lift</li> <li>• Compressor capable of duty 140 CFM at &amp; 7.0 Bar delivery pressure</li> <li>• Water (minimum 200 liters.) and Diesel fuel (Minimum 120 Liters) storage tanks,</li> <li>• Drum/ Winder C/W 60 meters Air- Water Hose</li> <li>• Jet equipped with mist generating Nozzle capable of production of 4 Cu Meters of mist per minute of max. 25 microns at a water flow rate of 6 liters/min.</li> <li>• 1No. 40mm diameter x 15 meters long synthetic fire suction hose C/W Instantaneous connectors foam inductor and to a 65mm. dia. Fire hydrant Stand pipe outlet</li> <li>• A Variable Foam Concentrate pick-up Inductor with on-off valve capable of producing 1800 liters/min of foam with a water flow of 180 liters/ min. at 5 bar inlet pressure</li> <li>• Stainless Steel Foam Pick-Up tube coupled to a reinforced PVC pick-up hose</li> <li>• Low Expansion foam branch pipe capable of foam throw of minimum 14 meters with the inductor conditions mentioned above.</li> <li>• 120 liters Foam Concentrate tank</li> <li>• Controls and Control Panel</li> </ul> <p align="center"><b>Page 57 of 99</b></p> <p>The above components shall be housed in a strong framed wrap around chassis with sheet metal side panels and be complete with lifting lugs for loading onto a light truck.</p> <p>The total weight of the unit including the 200 liters water</p>			NRB	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
30	Stationary mist system	No.	Mist Nozzles with Colliding Jets Long-Range Fen Mist Nozzles Water Supply (Minimum 2-3 Bar) Pressurized Air Supply (Minimum 2 -3 Bar) System of Detector Communication System between detectors and nozzles		AWR	MSA KSM KKMG EMBU GRSS NRB	
31	Portable ground monitor nozzle	No.	Portable Automatic Action Ground Monitor Nozzle capable of flow of 2000 liters/ min. at 7.0 bar water inlet pressure.  The monitor shall be of gun-metal construction with base and 4No. Stainless steel foldable legs with carbide tipped spikes.  The Monitor shall have a carrying Handle and a hand wheel for adjustment of vertical inclination of the nozzle  The monitor shall be complete with; <ul style="list-style-type: none"> <li>• Dual - Pressure 500GPM Max Force, Automatic Nozzle,</li> <li>• Pivoting outlets allowing 20 Degree of Motion either side of Centre and 40 Degree of Motion from 10 Degree above Horizontal to 50 Degrees</li> <li>• Butterfly Valve with automatic operation capable of cutting off flow thereby reducing reaction force should the monitor start to tip for any reason.</li> </ul>	AWR		MSA KSM KKMG EMBU GRSS NRB	
32	Lifting pads – Up to 4000Kgs	No.	Set of Lifting Bags (2No. Bags) suitable for lifting Cars, Buses, Vans, Emergency bracing in Work Pits, floating sunken loads etc, without damage to thin walled vehicle bodywork. The bags shall be manufactured in reinforced Neoprene Nylon Fabric in 8no. loops and shall satisfy the following conditions:-	AWR		MSA KSM KKMG EMBU GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<ul style="list-style-type: none"> <li>• Operation Pressure-1.0 Bar</li> <li>• No single point loaded more than 1000g/cm<sup>2</sup></li> <li>• Variable operating pressure from 0.1 through 0.5 bar to 1 Bar</li> <li>• Bursting pressure 4.5 times the MAX. allowable working pressure</li> <li>• Lifting Power-58KN</li> <li>• Lifting Height 48Cm/18 Inch</li> <li>• Diameter 61 cm/24 Inch</li> <li>• Testing Pressure – 4.0 bar</li> </ul> <p>The set shall come complete with:-</p> <ul style="list-style-type: none"> <li>▪ 2No. oil resistant Inflation Hoses @ 5 meters long.</li> <li>▪ 1No. dual safety controller fitting for separate control of the 2No.Lifting Bags C/W 2No. Safety Valves</li> <li>▪ 1No. Pressure Reducer- 200/300 bar, adjustable up to 10 bar, with protection cap, locking valve and 2 meter long Compressed Air Hose.</li> <li>▪ Air Bags Pressurization Kit as described below;</li> </ul> <p><b><u>AIR BAGS PRESSURIZATION KIT</u></b></p> <p>The Air Bags set shall be supplied complete with a Pressurization Kit for inflation of the bags. The kit shall comprise the following:-</p> <ul style="list-style-type: none"> <li>➤ 2No. 300bar Capacity 6 liters Compressed Air Bottles strapped onto a compact carrier frame,</li> <li>➤ Bottle connector 300 bar C/W Pressure Regulator, Safety Valve 8 Bar with dead man control</li> <li>➤ 2no. Auto – Retracting inflation hoses each 15 metres long.</li> </ul> <p>The carrier frame shall be wheeled and sled type combi chassis, suitable for light transport on streets and on soft ground.</p>			NRB	
33(a)	Collapsible fuel/water & liquid	No.	Collapsible fuel/water & liquid foam tanks with fittings	AWR		MSA	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
	foam tanks		(filling & discharge) 10,000 gallons capacity. The tank should be specially heat sealed and designed for high strength in severe outdoor exposure. It should resist UV, abrasion, puncture and pressure loads. The seam design should ensure that no weeping or leakage can			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
33(b)	Collapsible fuel/water & liquid foam tanks	No.	Collapsible fuel/water & liquid foam tanks with fittings (filling & discharge) 50,000 gallons capacity. The tank should be specially heat sealed and designed for high strength in severe outdoor exposure. It should resist UV, abrasion, puncture and pressure loads. The seam design should ensure that no weeping or leakage can occur.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
34	Plastic box First aid kits (fire Fighting)	No.	Plastic box First aid kit (fire Fighting) complete with the following:- i) 20No. individually wrapped sterile adhesive dressings (assorted sizes) ii) 2No. sterile eye pads iii) 4No. individually wrapped triangular bandages iv) 6No. safety pins v) 6No. medium sized individually wrapped sterile unmediated would dressings (12cm x 12cm) vi) 2No. large sterile individually wrapped unmediated would dressings (18cm x 18cm) vii) 1No. pair of disposable gloves	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
35	Canvas rubber lined lay flat hose	No.	Canvas rubber lined lay flat hose 150mm dia. x 25 meters long , with alloy joints and	AWR		MSA	
						KSM	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			Victaulic couplings and rubber seals BS 6391			KKMG	
						EMBU	
						GRSS	
						NRB	
36	Knapsack fire fighting 20 litres with mixing nozzles	No.	Knapsack Fire Fighting unit comprising High Resistant 20 litre Polyethylene tank with reinforced chassis. The unit shall have nylon padded carrying straps with self regulating buckles for strapping onto the fire-fighter's back. The unit shall include a brass Hand pump and delivery hose and tube C/W an adjustable nozzle for adjustment for short and long jet discharges.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
37	Drip torches 5 litres	No.	Drip torch of tank Capacity 5 liters, suitable for safe and easy setting of prescribed burns. The unit shall comprise a Stainless Steel tank and have a curved discharge pipe and a protected Asbestos wick.  The carrying handle and the drip pipe to the tank shall be of Aluminium metal.  The tank shall be complete with a threaded filling cap for fuel loading.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
38	Pick-up Truck Fire Fighting Set complete with 400 lts Tank	No.	Pick-up Truck Fire Fighting Set for quick access to Fire Locations. The set shall be compact, practical and Light Weight suitable for setting up in any Pick-Up truck.  The set shall comprise of the following:- <ul style="list-style-type: none"> <li>• Low Profile PVC flexible water tank C/W internal baffles for maximum stability of the carrying Pick-Up The tank shall be of minimum 400 liters capacity</li> <li>• Self Priming pump with 2 -Stroke Petrol Engine</li> <li>• Foam Inductor Kit with minimum 4 liter foam concentrate tank capacity</li> <li>• Suction and Discharge Hoses</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
39	Fire beaters / Fire Swatter / McLeod / Pulaski set	No.	The set shall comprise 1No. of items of each of the following items; <ul style="list-style-type: none"> <li>• Fire swatter constructed of heavy canvas material with angled iron support frame attached to a 1.52metre fire resistant wooden handle</li> <li>• Rake and Adze hoe in one combination, with 12 gauge steel hoe C/W 1.24 meter Fire Resistant wooden handle</li> <li>• Mattock and Axe in one combination tool, made of high grade tempered steel and with approximately 910-mm long fire resistant wooden handle.</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
40	Power Chain Saw	No.	Petrol Engine Powered Chain Saw suitable for cutting of trees and complete with all features necessary for safe operation and having the following specifications: . <ul style="list-style-type: none"> <li>• Displacement (CC) 25. 4</li> <li>• Form of Carburetor - Diaphragm</li> <li>• Maxed Fuel Ratio 25.1</li> <li>• Tank Capacity 0.23 Liters</li> <li>• Length – 250mm</li> </ul> All to BS 6916 part II 1989	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
41	Hydraulic rescue tools complete set	No.	Hydraulic Rescue Hand Tools set comprising of hand tools suitable for Spreading, Cutting and Pulling to the following specifications: <ul style="list-style-type: none"> <li>• Top Expansion Capability 38 - 47KN</li> <li>• Working surface Capability 68 - 114KN</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<ul style="list-style-type: none"> <li>• Pull 38KN</li> <li>• Expansion surface 620mm</li> <li>• Hydraulic combi Shears</li> <li>• Fast stop safe tie-in</li> <li>• 360° adjustable and moveable Handle</li> <li>• Hand pump two pole operation of High pressure and low pressure. The hand pump set shall come complete with 5 meters hose and coupling for connection to the tools and shall be as manufactured by WEBER or approved equivalent.</li> </ul>			NRB	
42	Booster pump for hydraulic hose reel	No.	<p>Electric driven booster pump suitable for water pumping duty of 4 cubic meters per hour against 25 meters static pressure. The pump shall have the following as standard:-</p> <ul style="list-style-type: none"> <li>• Tank 24 liter diaphragm/ pressure vessel,</li> <li>• 5 Meters long flexible hose C/W connectors to suction outlet.</li> <li>• Pressure switch for off-on operation,</li> <li>• Pressure gauge 7 Bar (100PSI)</li> <li>• Electric Cable 1.5 Meters C/W plug for connection to a socket outlet.</li> </ul>	AWR		MSA KSM KKMG EMBU GRSS NRB	
43	Water bowser	No.	<p>Trailer Mounted Water bowser 2000 litres capacity.</p> <ul style="list-style-type: none"> <li>▪ Mounted conformation with Kenyan Road regulations.</li> <li>▪ The trailer chassis shall be constructed from rolled steel with galvanized finish. The Water Tank shall</li> </ul>			MSA KSM KKMG EMBU GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			be 2000 liters cylindrical welded onto the trailer bed and with internal baffles plates to prevent water surge when towing. The tank shall include a 250mm. dia. quick release auto vent fill lid and sight glass level as standard. <ul style="list-style-type: none"> <li>▪ The trailer should include full road lighting c/w lenses protection guards, auto-reverse breaking system, cantilever hand brakes and auto overrun brakes as well as jockey wheel and four Industrial, fully adjustable stabilizers.</li> </ul>			NRB	
44	Fire Fighting aluminum extension ladders	No.	2.50M Long x Internal Width 360mm Aluminium type extension ladder	AWR		MSA KSM KKMG EMBU GRSS NRB	
45	Disaster poach (Treated Casualty bag)	No.	Full- Length- Zip Disaster Poach Fabricated from Vinyl-Coated Nylon fabric. The poach shall have six (6No.) carrying handles and shall be of dimensions 2000mm long x 850 mm wide	AWR		MSA KSM KKMG EMBU GRSS NRB	
46	H/D rubber gloves	No.	Multipurpose gloves made of PVC Fully lined with a Soft cotton tricot Length 350mm Size large (10)	AWR		MSA KSM KKMG EMBU GRSS NRB	



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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
47	Firefighters Protective Suit	No.	Firefighters Protective Clothing to be as NOMEX OMEGA Firefighting Suit <b>or equivalent and approved</b> to EN 469, comprising: - <b>Tunic</b> with torch loop, radio loop and 2 Internal Pockets. <b>Trousers:</b> Chest height with braces, padded knee & 2 external pockets	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
48	Fireman's Fire Fitting clothing (Fire Tunic)	No.	Fireman's Fire Fitting clothing (Fire Tunic) as TOPSPEC FIREAMN'S TUNIC manufactured from Nomex® III 180gm/m <sup>2</sup> or 265gm/m <sup>2</sup> material waterproofed with Neoprene inside, with 2 oz Proban® cotton lining <b>or equivalent and approved</b>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
49	Fire-fighting rescue action top 9sizes Boots	No.	Fire-fighting rescue action top 9sizes Boots (Sizes 38-48) to CSN EN 345 S3 HRO specification. Complete with lining, hydrophobized leather Antistatic construction, rubber outsole with steel anti-perforation insert, resistant to oil, fuels, acids and temperature Anatomic 300° C, replaceable washable innersole, stiffened with steel toe cap.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
50	Head Helmets	No.	Head Helmet suitable for Fire Fighting and Rescue services and having the following features <ul style="list-style-type: none"> <li>• Shell manufactured from Flame Retardant material with good shock absorbing qualities, longitudinal ribs and interior ventilation channels</li> <li>• Interior Basket in Flame retardant material and</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			allowing for adjustment for head size and shape (from 52 to 63 cm) high shock absorbing quality and non-irritating lining <ul style="list-style-type: none"> <li>• Flame Retardant cotton material chinstrap with quick release snap connection</li> <li>• Retractable face protector visor in flame retardant polycarbonate material, Scratch resistant and with anti-fogging protection</li> <li>• Neck protection of genuine leather material with separable shell connection.</li> </ul>			NRB	
51	Breathing apparatus	No.	Breathing apparatus suitable for strapping as a back pack complete With waist and chest straps.  The apparatus shall be complete with a positive pressure Face Mask.  The apparatus shall include 1No. 6 litres / 300 bar Air Cylinder, for 45 minutes nominal duration and be c/w Charging connection outlet	AWR		MSA KSM KKMG EMBU GRSS NRB	
52	Ear mutts	No.	Ear protection mutts suitable for protection against dangerous noise levels. The equipment shall have the following features:- <ul style="list-style-type: none"> <li>• Durable, Lightweight, Non- Electrical conductivity plastic material</li> <li>• Universal fit headband</li> <li>• Soft Foam filled cushions</li> <li>• Large ear cup openings</li> </ul>	AWR		MSA KSM KKMG EMBU GRSS NRB	
53	Leggings	No.	Lower Legs protection Leggings suitable for fire fighting and rescue services and having the following features; <ul style="list-style-type: none"> <li>• Pull on fitting ,with adjustable elastic braces</li> <li>• Knee protection</li> <li>• Suitable for sewing onto both trouser legs</li> </ul>	AWR		MSA KSM KKMG EMBU GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<ul style="list-style-type: none"> <li>• Reflective Strips</li> </ul>			NRB	
54	Gas Masks	No.	Gas Masks suitable for protection against dangerous gases And having the following features; <ul style="list-style-type: none"> <li>• Built in speech diaphragm to aid in communication</li> <li>• Rubber face piece</li> <li>• Poly Carbonate lens for high impact resistance</li> <li>• Universal fit to fit different head sizes</li> <li>• Filters for protection against high speed particles</li> </ul>	AWR		MSA KSM KKMG EMBU GRSS NRB	
55	Fully heat protection suit aluminum zed complete with overall, hood, three finger mitten and over boot	No.	Use the Aluminized FR Fabric, Fire Proof, Thermal Insulate, Penetration resist of radiation Heat sect type EN 1486	AWR		MSA KSM KKMG EMBU GRSS NRB	
56	Fire fluorescent waist coat	No.	Fireman's Fire Fighting Clothing Waist Coat as manufactured from Nomex® III 180gm/m <sup>2</sup> or 265gm/m <sup>2</sup> material waterproofed with Neoprene inside, with 2 oz Proban® cotton lining and with fluorescent Material	AWR		MSA KSM KKMG EMBU GRSS NRB	
57	Hydraulic Pressure tester complete with kits components for fire extinguishers	No.	With adaptors up to 6" diameter lines and upto 2400 ft of Hose at one time. Its 1 1/2" Manifold Assy allows for Fast Filling of the Hoses from the Hydrant or stand pipe Twin Piston pump pressure upto 500PSI at a 3 GPM	AWR		MSA KSM KKMG EMBU GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			Flow Rate			NRB	
58(a)	15mm dia. Marine Ropes	No.	1 No. Roll of 15mm diameter x 70meter long Marine Ropes suitable for use in sea, river and special conditions	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
58(b)	20mm dia. Marine Ropes	No.	1 No. Roll of 20mm diameter x 70meter long Marine Ropes suitable for use in sea, river and special conditions	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
58(c)	25mm dia. Marine Ropes	No.	1 No. Roll of 25mm diameter x 70meter long Marine Ropes suitable for use in sea, river and special conditions	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
58(d)	32mm dia. Marine Ropes	No.	1 No. Roll of 32mm diameter x 70meter long Marine Ropes suitable for use in sea, river and special conditions	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
58(e)	50mm dia. Marine Ropes	No.	1 No. Roll of 50mm diameter x 70meter long Marine Ropes suitable for use in sea, river and special conditions	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
58(f)	65mm dia. Marine Ropes	No.	1 No. Roll of 65mm diameter x 70meter long Marine Ropes suitable for use in sea, river and special conditions	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
60	Oxygen Generating Mask	No.	<p>Mask for protection of exposed facial dimensions capable of protection from various natural disasters resulting from Fire Hazards i.e. smoke, dangerous fumes, hot gases ETC, allowing for evacuation to safer areas.</p> <p>The mast shall have the following features.</p> <ul style="list-style-type: none"> <li>• Rubber face piece</li> <li>• Polycarbonate lens for high impact resistance</li> <li>• Universal fit to fit different head sizes</li> <li>• Self serving breathing hole which does not utilize external air</li> <li>• Oxygen generating chemical Cartilage for generation of the requisite Oxygen</li> </ul> <p>Minimum use time for the mask to be minimum 10 minutes for fast breathing and 30minutes for slow breathing</p>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
61	Battery Powered Rope Ascender	No.	Battery Powered Rope Ascender suitable for scaling of heights and with the following features.	AWR		MSA	
						KSM	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
			<ul style="list-style-type: none"> <li>Raising a weight of minimum 450kg and a speed of not less than 3metres per second.</li> <li>Rope/Climbing Cable assembly capable of ascending a 100metres High Storeyed building.</li> <li>Rechargeable Batter capable attaining 90% of maximum charge within 5 minutes</li> </ul> Operation control shall be both manual trigger on hand grip buttons and by remote controller.			KAMG	
						EMBU	
						GRSS	
						NRB	
62	Field Mobile Tough Notebook Computer	No.	Fully Rugged Tough Notebook/Laptop Computer designed for Military Police, Fire Professionals with 13.3inch Display/Screen with the following Specifications. Microsoft Windows XP professional Intel Core 2 Duo Processor L2400 mobile Technology (2MBL2 Cache, 1.66 GHZ, 667MHZ FSB) Intel 945GM Express Chipset RAM512 MB(4GB Max), UMA 128MB, 80GB Hard Drive (7200RPM) Combo Drive DVD Multi Drive Built-in-Intel PRO/Wireless 3945BG network connection 802. 11. a/b/g/weight 3.8Kg max.	AWR		MSA	
						KSM	
						KAMG	
						EMBU	
						GRSS	
						NRB	
63	Unfold shelter	No.	Foldable Fabric and Tent Frame Structure, which when unfolded forms into a full enclosure comprising roof, sidewalls, floor and end walls, read for occupation by people equipment and supplies all assembled within seconds.  The unfold structure shall be foldable into a flat Pancake for Storage and transport. Length - 6 meters Width - 3 meters Height of Side wall - 1.7 meters Height of apex of roof - 2.4 meters	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<p>The unfold shelter should fold into a flat pancake Max. 1.8m x 1.8m x 0.6 metres thick.</p> <p>The shelter should be complete with a door and a Window.</p> <p>Material of construction should be water proof and the assembled structure shall be capable of withstanding wind speeds of 70miles per Hour</p> <p>The Unit shall come complete with a re-usable storage bag for transportation and storage.</p>			NRB	
64	Emergency Sleeping Bag	No.	<p>Re-usable Emergency Survival protection bag for outdoor use to provide protection from harsh natural elements.</p> <p>The bag shall have an air layer formed by Corrugations to form channels between outer and inner layers for provision of air gap insulation.</p> <p>The inner and outer surfaces of the bag shall be metalized to reflect ambient heat and retain radiated body heat emissions.</p> <p>The bag shall be waterproof, windproof and re-usable and shall have approximate dimensions of 84" x 36" when unfolded; and be foldable into a compact unit.</p> <p>The maximum weight of the bag shall be 0.8kg.</p>	AWR		MSA KSM KKMg EMBU GRSS NRB	
65(a)	Unisol Solar Lamps – JS20	No.	<p><b>Solar cell:</b> 1 watt, No of leds:20,<b>Battery:</b>Rechargeable NimH,<b>Operation:</b>3 way Switch with Night Lamp facility,<b>Accessories:</b>A6v Electrical charger, which can be used to charge the lantern in case of deficient sunlight,<b>Size:</b>26cmx17cmx17cm,<b>Light Hours:</b>4-5hrs</p>	AWR		MSA KSM KKMg EMBU GRSS NRB	
65(b)	Unisol Solar Lamps – JS20-Mob	No.	<p><b>Solar cell:</b> 1 watt, No of leds:20,<b>Battery:</b>Rechargeable NimH,<b>Operation:</b>3 way Switch with Night Lamp facility,<b>Accessories:</b>A7.5v Electrical charger, which can be</p>	AWR		MSA KSM KKMg	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			used to charge the lantern in case of deficient sunlight, A mobile cord will also be provided with 4 pins to charge the mobile phone, <b>Size:</b> 26cmx17cmx17cm, <b>Light Hours:</b> 4-5hrs(without using the mobile phone charging facility), <b>Mobile Charging facility:</b> 45 minutes of mobile charging gives30-40 minute of talk time ,after which you would get 3-4hrs of light output			EMBU	
						GRSS	
						NRB	
65(c)	Unisol Solar Lamps –SK30	No.	<b>Solar cell:</b> 1 watt, No of leds:30, <b>Battery:</b> Rechargeable NimH, <b>Operation:</b> 3 way Switch with Night Lamp facility, <b>Accessories:</b> A6v Electrical charger, which can be used to charge the lantern in case of deficient sunlight, <b>Size:</b> 33cmx23cmx23cm, <b>Light Hours:</b> 4-5hrs	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
65(d)	Unisol Solar Lamps –SK30-Mob	No.	<b>Solar cell:</b> 1 watt, No of leds:30, <b>Battery:</b> Rechargeable NimH, <b>Operation:</b> 3 way Switch with Night Lamp facility, <b>Accessories:</b> A7.5v Electrical charger, which can be used to charge the lantern in case of deficient sunlight, A mobile cord will also be provided with 4 pins to charge the mobile phone, <b>Size:</b> 33cmx23cmx23cm, <b>Light Hours:</b> 5-6hrs(without using the mobile phone charging facility), <b>Mobile Charging facility:</b> 45 minutes of mobile charging gives30-40 minute of talk time ,after which you would get 4-5hrs of light output	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
66	Fire Sentry	No.	Ionization type detector ,Test button to check alarm circuits, Low battery indicator beeps when battery needs replacement, Loud piecing (85db) horn, Flashing Red LED light indicates alarm is receiving power, Twist off mounting bracket provides fast easy installation & battery replacement 9 volt battery operated smoke alarm <b>Model – 0914E</b>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
67	Emergency Mobile Bridge	No.	Emergency Mobile Bridge with the following	AWR		MSA	



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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			specifications: <ul style="list-style-type: none"> <li>• Capacity 50 Tons (50,000 Kgs)</li> <li>• Length/span -26 meters Long</li> <li>• Construction type Hole &amp; Peg</li> <li>• Material - Aluminium Alloy</li> <li>• Construction time - 4 Hours</li> </ul> The kit shall also allow for cross linkage to give any variation in width up to 26 Meter width to create a bridge of 26 meters long x 26 meters wide.			KSM KKMG EMBU GRSS NRB	
68	Floto-pump	No.	Pressure to 105 PSI Capacity to 140 GPM Forestry (HP) Pressure to 170PSS Capacity to 60 GPM 8 HP/133CC 4.7(1h-1.5h)	AWR		MSA KSM KKMG EMBU GRSS NRB	
69	Life boy used with remote control	No.	Size 200x207x120 (mm) 2.6 Knots DC700 4 Blades 6CH Digital Fm Radio Control NI-MH (6 CELL)7.2 VCD 3800mA NI-MH 12DC (INPUT)	AWR		MSA KSM KKMG EMBU GRSS NRB	
70	Fire Mobile	No.	Horizontal and Vertical system (For high rise building fire and limited working space/limited access where fire trucks cannot access)	AWR		MSA KSM KKMG EMBU GRSS NRB	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
71	Mammoth Matting	No.	Width: 4 meters Length :30 meters Capacity :60 ton pay load Consists of polypropylene fabric with high strength durability and resistance against chemicals and uv lights climb steep gradients up to 25 degrees	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
72	Aluminium truck way Matting	No.	Sheet dimension Width : 4590mm Length :17 meters Capacity :60 tons Material should be aluminium Anchoring Pin/Hole/Steel locking bolt on road surface side of matting	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
73	Location/Monitoring system	No.	The search cam system combines a miniature video camera with a spotlight as well as a sensitive microphone to provide rescuers to look and listen into the voids of a collapsed structure	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
74 (a)	Pyrogen fire Suppression Generators(Ex Series)	No.	EXA – Z1: Aerosol Mass, 100g, Generator mass 1.0, Max. protected Volume,m3 1,Length 122mm,Diameter 64mm,Canister Material S/S, Nozzle Outlet Lateral Discharge Time, 30s.Ignition Resistance 2.0-3.0,Minimum all fire current :1.2@12ms,minimum Activation Voltage :3.6Vdc	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
74 (b)	Pyrogen fire Suppression	No.	EXA – 10R: Aerosol Mass, 1000g, Generator mass 9.3,	AWR		MSA	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
	Generators		Max. protected Volume,m3 10,Length 200mm,Diameter 220mm,Canister Material M/S, Nozzle Outlet Radial, Discharge Time, 30s.Ignition Resistance 2.0-3.0,Minimum all fire current :1.2@12ms,minimum Activation Voltage :3.6Vdc			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
74(c)	Pyrogen fire Suppression Generators	No.	EXA – 50: Aerosol Mass, 5000g, Generator mass 28.5, Max. protected Volume,m3 50,Length 450mm,Diameter 310mm,Canister Material M/S, Nozzle Outlet Lateral Discharge Time, 50s.Ignition Resistance 2.0-3.0,Minimum all fire current :1.2@12ms,minimum Activation Voltage :3.6Vdc	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
75	Emergency Security Safety Barriers	No.	<b>Type:</b> NMSB XVI 16` Mobile Hydraulic-dual buttress housing barrier system. <b>Deployment Positioning:</b> Once mobilized at site, to be lowered in position by 3(one front & two rear) manual jacks, leveled utilizing levelers at base barrier. Should consist of four (4) concrete jersey barrier, two (2) units placed behind each of the two Mobile/portable integrated buttress housing totaling a weight of 18,000 lbs with four concrete barriers.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
76	Incinerator Assy 10,000kg	No.	<b>Model-</b> 212 CB212SW( gas fired-std/oil fire option-available) <b>Type-</b> Modular. Multiple Chambered Controlled air. <b>Capacity ratings</b> 10,000 Btu /lb. Waste 400 lb/hr .(180 kg/hr)	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
77(a)	<b>Fire pumps SSP Fire Driver Pump Complete</b>	No.	Engine type 175 HP 126	AWR		MSA	
						KSM	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
	panels with diesel					KKMG	
						EMBU	
						GRSS	
						NRB	
77(b)	<b>Fire pumps SSP Fire Driver Pump Complete panels with diesel</b>	No.	Engine type 130 HP 97	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
77©	<b>Fire pumps SSP Fire Driver Pump Complete panels with diesel</b>	No.	Engine type 275 HP 150	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
78	Emergency suction delivery hose	No.	150mm diameter, 240cm long Rubber hose with wire reinforced, 6mm thick on both sides complete with aluminium coupling male and female threads crimped with wire. It should be lockable extended type.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
	"	No.	Ditto but 100mm	AWR		MSA	
						KSM	
						KKMG	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
						EMBU	
						GRSS	
						NRB	
79	Trailer mounted communication system complete with station electronic equipment	No.	<ul style="list-style-type: none"> <li>• Complete with Hp adaptive processor PV</li> <li>• 3558, power supply units</li> <li>• 250W and 750W modem PV, 3559-cosite filter</li> <li>• PV 3560, visual display unit and keyboard X2, wired container.</li> <li>• Environmental data 00-400 at 95%9max) relative humidity, voice operation, generator 5kva, brake system c/w rear trailer lights, isolator shelter No. 557-1257-01</li> </ul>	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
80	Field mobile hospital	No.	12 bed 4x7" three fold range, pole tent auto fold made of striped canvas middle black sheeting and inner plane painted in the wall	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
81	Floor Material- Tarpoline (4mx5m)	No.	Floor material as Tarpoline (4mx5m) complete with laying materials	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
						NRB	
82	Trailer mounted automated latrines complete for four people c/w generator and lights	No.	Trailer mounted automated latrines complete for four people c/w generator and lights	AWR		MSA KSM KKMG EMBU GRSS NRB	
83	Winch	No.	Hydraulic/ Electric Winch. The winch to be 50 ton capacity	AWR		MSA KSM KKMG EMBU GRSS NRB	
84	Crane	No.	Mobile Hydraulic crane of 12 ton capacity complete with all the accessories	AWR		MSA KSM KKMG EMBU GRSS NRB	
85	Field kitchen tyrailer	No.	Field Kitchen Trailer 2 tons and complete with all accessories	AWR		MSA KSM KKMG EMBU GRSS NRB	

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86	Syphon Hose	No.	3m siphon hose. The hose to be 46mm diameter as Tufnell type	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
87	Vaccine refrigerator	No.	Vaccine refrigerator complete with temperature control and lift stands size 2.6mx1.2mx1.3m and to be mobile type	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
88	Battery powered rope ascender	No.	Hangs 50ft in mid air from 250 pound & more at 10ft per second. To have a reverse rappelling climb up to 30 storey building in 30 seconds. To be operated by one hand or by remote control	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
89	Fire mobile	No.	Horizontal and vertical system for high-rise building fire and limited access where fire trucks cannot access.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
90	3 way valve	No.	50mm and 75mm three way valve	AWR		MSA	

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<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
91	Mist type nozzles	No.	Straight mist type nozzle complete DIN 14307	AWR		MSA	
						KSM	
						NRB	
						KKMG	
						EMBU	
						GRSS	
						NRB	
92	Fire fighting motorcycle	No.	To be complete with nozzles, hose, tank and all accessories and be able to fight class A, B,C and E fires. The motorcycle to have an engine capacity of 1170cc and output 110HP	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
93	All terrain vehicle	No.	To be self contained c/w pump driven unit, to have a 160 litre tank for water and 12 liter tank for foam. The pump to be operating at 37bar. The vehicle to be as per EN 3-7 standard	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
94	Emergency dewatering	No.	To be as manufactured by Thompson Inc., be of	AWR		MSA	



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	pumping units		positive displacement, low-pulsation, self priming, rotary lobe.			KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
95	All terrain vehicles	No.	To be as HAGGLUND BV206. the vehicle should be based on a mechanical rubber four drive system with all terrain capabilities	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
96	Fire Ball	No.	1.3 Kg. fire ball and 6 inches diameter. Made of mono ammonium phosphate (917) concentration. Sound level 119 to 140dba, capable of extinguishing class A, B,C fires and covering an area of 4-6 sqm .reaction time 3-8seconds. Supplied c/w fixing wall brackets and cage	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
97	Air Diffuser Pack	No.	Contents; 1x Air Diffuser Machine Wall Mounted, 2x40ml Refills Containing Solution, 2xWick, to insert into each refill.	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
98	De watering pumps for flooding	No.	PUMP Model-7410	AWR		MSA	
						KSM	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
	heavy duty trailer mounted		<b>Size -12'' x 12''</b> Type-Positive displacement ,low pulsation, self-priming' rotary lobe  ENGINE Type-6 cylinder, in-line,4-cycle,water-cooled, naturally aspirated, direct-injection.			KKMG EMBU GRSS NRB	
99	Generator Distribution Panels	No.	Distribution panel for 5KVA, 10 KVA, 12 KVA, and 18KVA generators.	AWR		MSA KSM KKMG EMBU GRSS NRB	
100	ROTAX FIRETEC	No.	Outer Diameter – Approx. 190mm; Length – Approx 550mm; Weight Full: 20Kg; Weight Empty: 12Kg; Material – Aluminium; Volume – 7 Liters of Extinguishing Agent (9 Liters)	AWR		MSA KSM KKMG EMBU GRSS NRB	
101	MULTI POWER MOBILE FIRE PUMP	No.	Gamma 400; Capacity – 1000 Units per Month; Pressure 0-400 LPM	AWR		MSA KSM KKMG EMBU GRSS NRB	
102	PORTABLE FIRE DETECTOR TESTER	No.	Inspection Pole Length – Min. about 1,180 mm / Max.; Testable Detector – Heat rate of rise fixed Temperature;	AWR		MSA KSM	

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Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)																																																				
			Smoke – Ionization Smoke Detector; Battery Charging Time 5 Hours			KKMG																																																					
						EMBU																																																					
						GRSS																																																					
						NRB																																																					
103	AIR TENT FOR DISASTER CONTROL POINT	No.	Size: 6×12, 6×12×3; Weight: 240 Kg - 175×110×85	AWR		MSA																																																					
						KSM																																																					
						KKMG																																																					
						EMBU																																																					
						GRSS																																																					
						NRB																																																					
104	CC SHELTERS	No.	<p>Pre-deployment (Crate) dimensions</p> <table border="0"> <tr> <td>Unit</td> <td>Length (m)</td> <td>Width (m)</td> <td>Height (m)</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Weight (m)</td> </tr> <tr> <td>CCS25</td> <td>2.61</td> <td>2.30</td> <td>1.13</td> <td>1900</td> </tr> <tr> <td>CCS50</td> <td>2.90</td> <td>2.24</td> <td>1.70</td> <td>3100</td> </tr> </table> <p>Post deployment dimensions</p> <table border="0"> <tr> <td>Unit</td> <td>Length (m)</td> <td>Width (m)</td> <td>Height (m)</td> <td></td> </tr> <tr> <td></td> <td colspan="4">Internal Area (m3)</td> </tr> <tr> <td>CCS25</td> <td>5.00</td> <td>5.60</td> <td>2.45</td> <td>25.00</td> </tr> <tr> <td>CCS50</td> <td>9.50</td> <td>5.60</td> <td>2.60</td> <td>50.00</td> </tr> </table> <p>General Specifications</p> <table border="0"> <tr> <td>Unit (min)</td> <td>Water Requirement (L)</td> <td>Cot Space Available</td> <td>Deployment Time</td> </tr> <tr> <td>CCS25</td> <td>2.61</td> <td>2.30</td> <td>1.13</td> </tr> <tr> <td>CCS50</td> <td>2.90</td> <td>2.24</td> <td>1.70</td> </tr> </table>	Unit	Length (m)	Width (m)	Height (m)			Weight (m)				CCS25	2.61	2.30	1.13	1900	CCS50	2.90	2.24	1.70	3100	Unit	Length (m)	Width (m)	Height (m)			Internal Area (m3)				CCS25	5.00	5.60	2.45	25.00	CCS50	9.50	5.60	2.60	50.00	Unit (min)	Water Requirement (L)	Cot Space Available	Deployment Time	CCS25	2.61	2.30	1.13	CCS50	2.90	2.24	1.70	AWR		MSA	
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**Supplies Branch; SB/33/2016-2017; Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	
						MSA	
105	DURALINE PLASTIC MODULAR MOLDED CUBE	No.	Standard Size: L500mm, W500mm, H400mm Weight: 7.00kg Live Load: 93kgf /about 372kgF/m <sup>2</sup> Material: HDPE Free Board: 37.5cm Top Area: 0.25m <sup>2</sup> Tensile Strength: Upper 20,000N	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						NRB	

**Supplies Branch; SB/33/2016-2017; Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
106	CONCRETE IMPREGNATED FABRIC	No.	CC Thickness (mm) Batch Roll Size (sqm) Bulk Roll Size (sqm) Roll Width (m) CC5 5 10 200 1.0 CC8 8 5 125 1.1 CC13 13 N/A 80 1.1  CC Mass (unset) (kg/m2) Density (unset) (kg/m3) Density (set) (kg/m3) CC5 7.0 1500 +30-35% CC8 12.0 1500 +30-35% CC13 19.0 1500 +30-35%	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	
						MSA	
107	EMERGENCY BRIDGE	No.	Length when folded is 10.4 metres and the length when unfolded is 30 metres. The bridge is a Class 50 so it is capable of supporting 50 Tons when deployed.  The width of tract being 1.14 metres wide. Track element is self-supporting, height folded is 1.55	AWR		MSA	
						KSM	
						KKMG	
						EMBU	
						GRSS	

Supplies Branch; SB/33/2016-2017; Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment

Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			metres and unfolded is 0.83 metres. <b>(OPTION)</b> Two Bridges width tol is 3.27 metres with each track being 1.14 metres wide. The resultant gap between the tracks being approximately 900mm. Each track element is self supporting but is held in position by cross braces that link two tracks together.			NRB	
108	FLAMMABLE LIQUID PUMPS	No.	Deutz Vio F10L413F 188Kw @ 2300RPM Pump Tangile type CMH 80/315-5 five stage Centrifugal Pump delivering 125m <sup>3</sup> h @ 28 bar Capacity 120m <sup>3</sup> per hour @ 28 bar	AWR		KSM KKMG EMBU GRSS NRB KSM	
109	MP 2006 designed 60M tower range	No.	a. 58 M-Antenna area= 6m <sup>2</sup> b. 2 M-Antenna diameter= 0.6m <sup>2</sup> c. 56M-Antenna area=6m <sup>2</sup> d. 0.3 M- Antenna diameter=0.07m <sup>2</sup>	AWR		KSM KKMG EMBU GRSS NRB KSM	

**Supplies Branch; SB/33/2016-2017; Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>
110	PORTABLE MONITORING, RECORDING AND DATA TRANSMITTING SYSTEM.	No.	HDD rack stacked for data backup. -Built in LCD monitor for instant playback. -Unit erupted power supply for continuous operation. -Supported by 3 Axis mount for safe transportation and positioning. -Secured with a lightning rod.	AWR		KSM KKMG EMBU GRSS NRB	

Supplies Branch; SB/33/2016-2017; Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment

Item No.	Description	Unit of issue	Specification	Qty	Brand Name & Country of Origin	Location	Price (KShs)
			<p>-Uber friendly trailer-toeing capability</p> <p>-Wireless video data transmission and antenna.</p> <p><b><u>Details</u></b></p> <p><b>-CCTV Cameras</b></p> <p>The solid uses up to 4 PTZ cameras. The built in fan/heater and the IP66 weather proof housing offers maximum protection from all weather conditions.</p> <p><b>-Wireless Antenna</b></p> <p>Wireless video data transmission and antenna</p> <p><b>-Warning light</b></p> <p>The light turns to red and warns the battery level status.</p> <p><b>-Taillight</b></p> <p>To provide the safety and distance estimation from the following cars in driving, two backlights are equipped.</p> <p><b>-Landing jack</b></p> <p>The heavy duty 3 axis mount safely supports the solid during operation and transportation.</p> <p><b>-DVR</b></p> <p>The uninterrupted power supply and mobile DVR allows for continuous recording.</p> <p style="text-align: center;">Page 88 of 99</p> <p><b>-LCD Monitor &amp; Keyboard</b></p> <p>All viewing operations are independently controlled with built in keyboard</p>			KSM	



**Supplies Branch; SB/33/2016-2017; Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

<b>Item No.</b>	<b>Description</b>	<b>Unit of issue</b>	<b>Specification</b>	<b>Qty</b>	<b>Brand Name &amp; Country of Origin</b>	<b>Location</b>	<b>Price (KShs)</b>

**Key: AWR-as and when required**

Signature of tenderer \_\_\_\_\_

*Note:* In case of discrepancy between unit price and total, the unit price shall prevail

**Supplies Branch; Tender No. SB/37/2016/2017 Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

**SECTION VII – EVALUATION CRITERIA**

7.1 Preliminary evaluation of tenders shall be done on the basis of the following criteria.

Whether or not: -

- (a) The tender has been submitted in the required format.
- (b) The tender security submitted is in the required form, amount and validity period.
- (c) The tender form has been signed by the person lawfully authorized to do so.
- (d) The required numbers of copies of the tender have been submitted.
- (e) The tender is valid for the period required
- (f) All required documents and information have been submitted.
- (g) Samples / Brochures have been submitted accordingly.

7.2 Upon completion of Preliminary Evaluation, Technical Evaluation shall then be done by comparing each tender to the technical requirements in the tender document.

7.3 Non conforming tenders will be rejected at this stage and only technically compliant tenders will be subjected to financial evaluation.

7.4 **TENDERERS ARE ADVISED TO QUOTE THEIR BID PRICES IN THE ORIGINAL PRICE SCHEDULE PROVIDED IN THIS TENDER DOCUMENT. INTRODUCTION OF A PRICE SCHEDULE DIFFERENT FROM THE ONE PROVIDED IN THIS DOCUMENT IN SECTION (VI) WILL LEAD TO DISQUALIFICATION.**

7.7 The tenderer will be required to submit the following evidence as prove of qualifications to perform the contract if its tender is accepted:

- a.) In the case of a tenderer offering to supply good under the contract that the bidder manufactures or otherwise produces (using ingredients supplied by primary manufacturers) satisfactory evidence that the bidder,
  - i) Has manufactured and marketed the offered goods for two (2) years and similar goods for at least 5 years.
  - ii) Has demonstrated compliance with the relevant quality standards.

In addition to (i) & (ii) above the tenderer shall also submit the following information:

- iii) a statement of installed manufacturing capacity
  - iv) Copies of its audited financial statements
  - v) details of on-site quality control facilities and services and range of tests conducted.
- b.) In the case of a bidder offering to supply goods under the contract that the bidder does not manufacture, satisfactory evidence that the bidder:
    - i) has been duly authorized by the manufacturer(s) of the goods that meets the criteria under (a) above to supply the goods in the purchaser's country and
    - ii) has marketed the offered goods in this country.

In addition to (i) & (ii) above the tenderer shall also submit the following information:

- iii) list of major supply contracts concerning goods mentioned above.

iv) copies of its audited financial statements.

## **SECTION VIII - STANDARD FORMS**

### **Notes on the sample Forms**

- 8.1 Form of TENDER** - The form of tender must be completed by the tenderer and submitted with the tender documents. It must also be duly signed by duly authorized representatives of the tenderer.
- 8.2 Confidential Business Questionnaire Form** - This form must be completed by the tenderer and submitted with the tender documents.
- 8.3 Tender Security Form** - When required by the tender documents the tender shall provide the tender security either in the form included herein or in another format acceptable to the procuring entity.
- 8.4 Contract Form** - The Contract Form shall not be completed by the tenderer at the time of submitting the tender. The Contract Form shall be completed after contract award and should incorporate the accepted contract price.
- 8.5 Performance Security Form-** The performance security form should not be completed by the tenderers at the time of tender preparation. Only the successful tenderer will be required to provide performance security in the form provided herein or in another form acceptable to the procuring entity.
- 8.6 Bank Guarantee for Advance Payment Form** - When Advance payment is requested for by the successful bidder and agreed by the procuring entity, this form must be completed fully and duly signed by the authorized officials of the bank.
- 8.7 Manufacturers Authorization Form** - When required by the tender documents this form must be completed and submitted with the tender documents. This form will be completed by the manufacturer of the goods where the tenderer is an agent.
- 8.8 Letter of Notification of Award** - This form will be used by the procuring to notify the successful tenderers after contract award. Both the successful and unsuccessful tenderer shall be notified of the results of contract award at same time.

**7.1- FORM OF TENDER**

Date \_\_\_\_\_  
Tender No. \_\_\_\_\_

To: \_\_\_\_\_  
\_\_\_\_\_  
*[name and address of procuring entity]*

Gentlemen and/or Ladies:

1. Having examined the tender documents including Addenda Nos. .... *[insert numbers]*. the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply deliver, install and commission ( ..... *(insert equipment description)*) in conformity with the said tender documents for the sum of ..... *(total tender amount in words and figures)* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

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

3. If our Tender is accepted, we will obtain the guarantee of a bank in a sum of equivalent to \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract , in the form prescribed by ..... *( Procuring entity)*.

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

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

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

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
[signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign tender for an on behalf of \_\_\_\_\_

**Supplies Branch; Tender No. SB/37/2016/2017 Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

**7.2 - CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM**

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

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

*Part 1 – General:*

Business Name .....

Location of business premises. ....

Plot No..... Street/Road .....

Postal Address ..... Tel No. .... Fax ..... E mail .....

Nature of Business ,.....

Registration Certificate No. ....

Maximum value of business which you can handle at any one time – Kshs.....

Name of you..... Branch .....

**Part 2 (a) – Sole Proprietor**

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

Nationality ..... Country of origin .....

Citizenship details .....

**Part 2 (b) Partnership**

Given details of partners as follows:

Name	Nationality	Citizenship Details	Shares
1. ....	.....	.....	.....
2. ....	.....	.....	.....
3. ....	.....	.....	.....
4. ....	.....	.....	.....

**Part 2 (c) – Registered Company**

Private or Public .....

State the nominal and issued capital of company-

Nominal Kshs. .... Issued Kshs. ....

Given details of all directors as follows

Name	Nationality	Citizenship Details	Shares
1.....	.....	.....	.....
2.....	.....	.....	.....
3.....	.....	.....	.....
4.....	.....	.....	.....
5.....	.....	.....	.....

Date ..... Signature of Candidate .....

If a Kenya Citizen, indicate under “Citizenship Details” whether by Birth, Naturalization or registration.

**Supplies Branch; Tender No. SB/37/2016/2017 Supply of Fire Fighting Equipment & AFFF Foam Compound, Safety & Emergency Equipment**

**7.3 - TENDER SECURITY FORM**

Whereas ..... [name of the tenderer]  
(hereinafter called “the tenderer”) has submitted its tender dated ..... [date of submission of tender] for the supply, installation and commissioning of ..... [name and/or description of the equipment]  
(hereinafter called “the Tender”) ..... KNOW ALL PEOPLE by these presents that WE ..... of ..... having our registered office at ..... (hereinafter called “the Bank”), are bound unto ..... [name of Procuring entity] (hereinafter called “the Procuring entity”) in the sum of ..... for which payment well and truly to be made to the said Procuring entity, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_.

THE CONDITIONS of this obligation are:-

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

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

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

\_\_\_\_\_  
[signature of the bank]  
(Amend accordingly if provided by Insurance Company)

**7.4 - CONTRACT FORM**

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_ between ..... [*name of Procurement entity*] of ..... [*country of Procurement entity*] (hereinafter called “the Procuring entity) of the one part and ..... [*name of tenderer*] of ..... [*city and country of tenderer*] (hereinafter called “the tenderer”) of the other part;

WHEREAS the Procuring entity invited tenders for certain goods ] and has accepted a tender by the tenderer for the supply of those goods in the sum of ..... [*contract price in words and figures*] (hereinafter called “the Contract Price).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:
2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz:
  - (a) the Tender Form and the Price Schedule submitted by the tenderer
  - (b) the Schedule of Requirements
  - (c) the Technical Specifications
  - (d) the General Conditions of Contract
  - (e) the Special Conditions of contract; and
  - (f) the Procuring entity’s Notification of Award
3. In consideration of the payments to be made by the Procuring entity to the tenderer as hereinafter mentioned, the tender hereby covenants with the Procuring entity to provide the goods and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring entity hereby covenants to pay the tenderer in consideration of the provisions of the goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring entity

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the tenderer in the presence of \_\_\_\_\_

*(Amend accordingly if provided by Insurance Company)*

**7.5 - PERFORMANCE SECURITY FORM**

To .....  
[name of Procuring entity]

WHEREAS ..... [name of tenderer] (hereinafter called "the tenderer") has undertaken , in pursuance of Contract No. \_\_\_\_\_  
\_\_\_\_\_ [reference number of the contract] dated \_\_\_\_\_ 20 \_\_\_\_\_  
to supply ..... [description of goods]  
(hereinafter called "the Contract").

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

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

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the tenderer, up to a total of ..... [amount of the guarantee in words and figure] and we undertake to pay you, upon your first written demand declaring the tenderer to be in default under the Contract and without cavil or argument, any sum or sums within the limits of ..... [amount of guarantee] as aforesaid, without you needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

Signed and seal of the Guarantors

\_\_\_\_\_  
[name of bank or financial institution]

\_\_\_\_\_  
[address]

\_\_\_\_\_  
[date]



**7.6 -BANK GUARANTEE FOR ADVANCE PAYMENT FORM**

To .....  
[name of Procuring entity]

[name of tender] .....

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends the General Conditions of Contract to provide for advance payment, ..... [name and address of tenderer](hereinafter called “the tenderer”) shall deposit with the Procuring entity a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of ..... [amount of guarantee in figures and words].

We, the ..... [bank or financial institutions], as instructed by the tenderer, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring entity on its first demand without whatsoever right of objection on our part and without its first claim to the tenderer, in the amount not exceeding ..... [amount of guarantee in figures and words]

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

This guarantee shall remain valid in full effect from the date of the advance payment received by the tenderer under the Contract until ..... [date].

Yours truly,

Signature and seal of the Guarantors

\_\_\_\_\_  
[name of bank or financial institution]

\_\_\_\_\_  
[address]

\_\_\_\_\_  
[date]

**7.7 - MANUFACTURER’S AUTHORIZATION FORM**

To *[name of the Procuring entity]* .....

WHEREAS .....*[ name of the manufacturer]* who are established and reputable manufacturers of .....  
*[name and/or description of the goods]* having factories at  
..... *[address of factory]* do hereby authorize  
..... *[name and address of Agent]* to submit a tender, and  
subsequently negotiate and sign the Contract with you against tender No.  
..... *[reference of the Tender]* for the above goods manufactured by  
us.

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

---

\_\_\_\_\_

*[signature for and on behalf of manufacturer]*

*Note:* This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent.

**7.8 - 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