



**REPUBLIC OF KENYA**

**MINISTRY OF LANDS, PUBLIC WORKS, HOUSING & URBAN DEVELOPMENT  
STATE DEPARTMENT FOR PUBLIC WORKS  
SUPPLIES BRANCH- LIKONI RD, INDUSTRIAL AREA  
P. O. BOX 300743-00100, NAIROBI**

**TENDER DOCUMENT FOR FRAME WORK AGREEMENT  
FOR  
SUPPLY AND DELIVERY OF WORKSHOP EQUIPMENT  
AND ACCESSORIES AS AND WHEN REQUIRED, FOR TWO  
YEARS**

**TENDER NUMBER: SDPW/SB/029/2022-2024**

**CLOSING DATE: 10<sup>th</sup> March, 2023 at 10.00 a.m.**



**MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN  
DEVELOPMENT  
STATE DEPARTMENT OF PUBLIC WORKS  
SUPPLIES BRANCH**

**FRAME WORK AGREEMENT FOR SUPPLY AND DELIVERY OF WORKSHOP  
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1. The **Principal Secretary, State Department of Public Works** invites sealed tenders for the **SUPPLY AND DELIVERY OF WORKSHOP EQUIPMENT AND ACCESSORIES TO Ministries, Departments and Agencies of Government ON AS AND WHEN REQUIRED BASIS, FOR A PERIOD OF TWO YEARS**
2. Tendering will be conducted under Open Tendering Method (National) resulting into framework agreements using the PPRA standardized tender document. Tendering is open to all qualified and interested Tenderers.
3. Qualified and interested tenderers may obtain further information from the Supplies Branch Website, [www.suppliesbranch.go.ke](http://www.suppliesbranch.go.ke) and inspect the Tender Documents during normal office hours, at the Procurement Office on 2nd floor, Supplies Branch, Likoni Road, Industrial Area, Nairobi.
4. A complete set of tender documents may be obtained by interested tenderers electronically from the Supplies Branch Website ([www.suppliesbranch.go.ke](http://www.suppliesbranch.go.ke)). Tender documents obtained electronically will be free of charge.
5. Tenderers who download the tender document must forward their particulars immediately to [info@suppliesbranch.go.ke](mailto:info@suppliesbranch.go.ke) for registration.
6. Address for Submission of Tenders.

**The Head of Supplies Branch,  
Supplies Branch,  
Likoni Road, Industrial Area,  
P. O. Box 30743-00100, Nairobi.**
7. Complete Tender Documents shall be dropped in the tender box located at Supplies Branch Headquarters Likoni Road, Industrial Area, Nairobi Ground Floor reception.
8. All Tenders shall be accompanied by a Tender Security of Kshs. 2,000,000.00. in the form of banker's cheque to the Head- Supplies Branch or a guarantee issued by a reputable bank. The tender security shall remain valid for **210 days** after the date of opening.
9. Prices quoted should be inclusive of all taxes and delivery costs and must be expressed in Kenya Shillings and shall remain valid for one **Hundred and Eighty (180) days** from the closing/opening date of the tender

10. The Tenderer shall chronologically serialize all pages of the tender documents submitted.
11. Completed tenders must be delivered to the address below on or before **10<sup>th</sup> March, 2023 at 10.00 a.m.**  
Electronic Tenders will not be permitted.
12. Tenders will be opened immediately after the deadline date and time specified above or any deadline date and time specified later. Tenders will be publicly opened in the presence of the Tenderers' designated representatives who choose to attend at **Supplies Branch, Likoni Road, Industrial Area, Nairobi.**  
Late tenders will be rejected.

**HEAD/ SUPPLY CHAIN MANAGEMENT SERVICES  
FOR: PRINCIPAL SECRETARY**

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# **PART 1 - TENDERING PROCEDURES**

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## SECTION I: INSTRUCTIONS TO TENDERERS

### A General Provisions

#### 1. Scope of Tender

- 1.1 The Procuring Entity as defined in the TDS invites tenders for supply of goods and, if applicable, any Related Services incidental thereto, as specified in Section V, Supply Requirements. The name, identification, and number of lots (contracts) of this Tender Document are specified in the TDS.
- 1.2 Throughout this tendering document:
- a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, including if specified in the TDS, distributed or received through the electronic-procurement system used by the Procuring Entity) with proof of receipt;
  - b) if the context so requires, “singular” means “plural” and vice versa;
  - c) “Day” means calendar day, unless otherwise specified as “Business Day”. A Business Day is any day that is an official working day of the Procuring Entity. It excludes official public holidays.

#### 2. Fraud and Corruption

- 2.1 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015, Section 62 “Declaration not to engage in corruption”. The tender submitted by a person shall include a declaration that the person shall not engage in any corrupt or fraudulent practice and a declaration that the person or his or her sub-contractors are not debarred from participating in public procurement proceedings.
- 2.2 The Procuring Entity requires compliance with the provisions of the Competition Act 2010, regarding collusive practices in contracting. Any tenderer found to have engaged in collusive conduct shall be disqualified and criminal and/or civil sanctions may be imposed. To this effect, Tenders shall be required to complete and sign the “Certificate of Independent Tender Determination” annexed to the Form of Tender.
- 2.3 Unfair Competitive Advantage - Fairness and transparency in the tender process require that the firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender. To that end, the Procuring Entity shall indicate in the **Data Sheet** and make available to all the firms together with this tender document all information that would in that respect give such firm any unfair competitive advantage over competing firms.

#### 3. Eligible Tenderers

- 3.1 A Tenderer may be a firm that is a private entity, an individual, a state-owned enterprise or institution subject to ITT3.7, or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. Public employees and their close relatives (*spouses, children, brothers, sisters and uncles and aunts*) are not eligible to participate in the tender.

In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Tendering process and, in the event the JV is awarded the Contract, during contract execution. The maximum number of JV members shall be specified in the **TDS**.

- 3.2 Public Officers of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother or Sister of a Spouse their business associates or agents and firms/organizations in which they have a substantial or controlling interest shall not be eligible to tender or be awarded a contract. Public Officers are also not allowed to participate in any procurement proceedings.
- 3.3 A Tenderer shall not have a conflict of interest. Any Tenderer found to have a conflict of interest shall be disqualified. A Tenderer may be considered to have a conflict of interest for the purpose of this Tendering process, if the Tenderer:

- a) directly or indirectly controls, is controlled by or is under common control with another Tenderer; or
- b) receives or has received any direct or indirect subsidy from another Tenderer; or
- c) has the same - representative or ownership as another Tenderer; or
- d) has a relationship with another Tenderer, directly or through common third parties, that puts it in a position to influence the Tender of another Tenderer, or influence the decisions of the Procuring Entity regarding this Tendering process; or
- e) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods that are the subject of the Tender; or
- f) or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity or Procuring Entity for the Contract implementation; or
- g) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the TDS ITT 1.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or has a close business or family relationship with a professional staff of the Procuring Entity (or of the project implementing agency, who: (i) are directly or indirectly involved in the preparation of the tendering document or specifications of the Contract, and/or the Tender evaluation process of such Contract; or (ii) would be involved in the implementation or supervision of such Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tendering process and execution of the Contract.

34 A tenderer shall not be involved in corrupt, coercive, obstructive, collusive or fraudulent practice. A tenderer that is proven to have been involved in any of these practices shall be automatically disqualified.

35 A firm that is a Tenderer (either individually or as a JV member) shall not submit more than one Tender, except for permitted alternative Tenders. This includes participation as a subcontractor. Such participation shall result in the disqualification of all Tenders in which the firm is involved. A firm that is not a Tenderer or a JV member, may participate as a subcontractor in more than one Tender. Members of a joint venture may not also make an individual tender, be a subcontractor in a separate tender or be part of another joint venture for the purposes of the same Tender.

36 A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT3.9. A Tenderer shall be deemed to have the nationality of a country if the Tenderer is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or sub consultants for any part of the Contract including related Services.

37 A Tenderer that has been debarred by the PPRA from participating in public procurement shall be ineligible to tender or be awarded a contract. The list of debarred firms and individuals is available from the [PPRA's website www.ppra.go.ke](http://www.ppra.go.ke)

38 Tenderers that are state-owned enterprises or institutions may be eligible to compete and be awarded a Contract(s) only if they are (i) a legal public entity of the state Government and/or public administration, (ii) financially autonomous and not receiving any significant subsidies or budget support from any public entity or Government, and (iii) operating under commercial law and vested with legal rights and liabilities similar to any commercial enterprise to enable it compete with firms in the private sector on an equal basis. Public employees and their close relatives are not eligible to participate in the tender.

39 Tenderers may be ineligible if their countries of origin (a) as a matter of law or official regulations, Kenya prohibits commercial relations with that country, or(b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods or contracting for supply of goods or services from that country, or any payments to any country, person, or entity in that country. A tenderer shall provide such documentary evidence of eligibility satisfactory to the Procuring Entity, as the Procuring Entity shall reasonably request.

310 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.

311 Where the law requires tenderers to be registered with certain authorities in Kenya, such registration

requirements shall be defined in the **TDS**

- 3.12 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempted in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website [www.cak.go.ke](http://www.cak.go.ke).
- 3.13 A Kenyan tenderer shall provide evidence of having fulfilled his/her tax obligations by producing a current tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority.

#### **4 Eligible Goods and Related Services**

- 4.1 All the Goods and Related Services to be supplied under the Contract shall have their origin in any country that is eligible in accordance with ITT 3.9.
- 4.2 For purposes of this ITT, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” include services such as insurance, installation, training, and initial maintenance.
- 4.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 4.4 A procuring entity shall ensure that the items listed below shall be sourced from Kenya and there shall be no substitutions from foreign sources. The affected items are:
- a) motor vehicles, plant and equipment which are assembled in Kenya;
  - b) furniture, textile, foodstuffs, oil and gas, information communication technology, steel, cement, leather, agro-processed products, sanitary products, and other goods made in Kenya; or
  - c) goods manufactured, mined, extracted or grown in Kenya.
- 4.5 Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.

#### **5 Sections of Tendering Document**

- 5.1 The tendering document consist of Parts 1, 2, and 3, which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITT8.

##### **PART 1: Tendering Procedures**

- i) Section I - Instructions to Tenderers (ITT)
- ii) Section II - Tendering Data Sheet (TDS)
- iii) Section III - Evaluation and Qualification Criteria
- iv) Section IV - Tendering Forms

##### **PART 2: Supply Requirements**

- v) Section V - Schedule of Requirements

##### **PART 3 Conditions of Contract**

- vi) Section VI - General Conditions of Contract (GCC)
- vii) Section VII - Special Conditions of Contract (SCC)
- viii) Section VIII- Contract Forms

- 5.2 The notice of Invitation to Tender or the notice to the prequalified Tenderers issued by the Procuring Entity is not part of the tendering document.
- 5.3 Unless obtained directly from the Procuring Entity, the Procuring Entity is not responsible for the completeness of the document, responses to requests for clarification, the minutes of the pre-tender

meeting (if any), or addenda to the tendering document in accordance with ITT7.

54 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tendering document and to furnish with its Tender all information or documentation as is required by the tendering document.

## **6 Clarification of Tendering Document**

61 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the **TDS** or raise its enquiries during the pre-Tender meeting if provided for in accordance with ITT 6.4. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period specified in the **TDS** prior to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender documents in accordance with ITT 5.3, including a description of the inquiry but without identifying its source. If so specified in the **TDS**, the Procuring Entity shall also promptly publish its response at the web page identified in the **TDS**. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents following the procedure under ITT 7.

62 The Procuring Entity shall specify in the **TDS** if a pre-tender conference will be held, when and where. The Tenderer's designated representative is invited to attend a pre-Tender meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

63 The Tenderer is requested to submit any questions in writing, to reach the Procuring Entity not later than the period specified in the **TDS** before the meeting.

64 Minutes of the pre-Tender meeting, if applicable, including the text of the questions asked by Tenderers and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Tenderers who have acquired the Tender Documents in accordance with ITT 6.3. Minutes shall not identify the source of the questions asked.

65 The Procuring Entity shall also promptly publish anonymized (*no names*)Minutes of the pre-Tender meeting at the web page identified **in the TDS**. Any modification to the Tender Documents that may become necessary as a result of the pre-Tender meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT 7 and not through the minutes of the pre-Tender meeting. Nonattendance at the pre- Tender meeting will not be a cause for disqualification of a Tenderer.

## **7 Amendment of Tendering Document**

71 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the tendering document by issuing addenda.

72 Any addendum issued shall be part of the tendering document and shall be communicated in writing to all who have obtained the tender document from the Procuring Entity in accordance with ITT 6.3. The Procuring Entity shall also promptly publish the addendum on the Procuring Entity's web page in accordance with ITT 7.1.

73 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders, pursuant to ITT 21.2.

## **C. Preparation of Tenders**

### **8 Cost of Tendering**

81 The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.

### **9 Language of Tender**

91 The Tender, as well as all correspondence and documents relating to the Tender exchanged by the Tenderer and the Procuring Entity, shall be written in English Language. Supporting documents and printed literature that are part of the Tender may be in another language provided they are accompanied by an accurate translation of the relevant passages into the English Language, in which case, for purposes of interpretation of the Tender, such translation shall govern.

### **10 Documents Comprising the Tender**

10.1 The Tender shall comprise the following:

- a) Form of Tender prepared in accordance with ITT11;
- b) Price Schedules: completed in accordance with ITT 11 and ITT 13;
- c) Tender Security or Tender-Securing Declaration, in accordance with ITT 18.1;
- d) Alternative Tender: if permissible, in accordance with ITT12;
- e) Authorization: written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordance with ITT19.3;
- f) Qualifications: documentary evidence in accordance with ITT 16.2 establishing the Tenderer qualifications to perform the Contract if its Tender is accepted;
- g) Tenderer Eligibility: documentary evidence in accordance with ITT16.1 establishing the Tenderer eligibility to tender;
- h) Eligibility of Goods and Related Services: documentary evidence in accordance with ITT 15, establishing the eligibility of the Goods and Related Services to be supplied by the Tenderer;
- i) Conformity: documentary evidence in accordance with ITT15.2 that the Goods and Related Services conform to the tender document; and
- j) any other document required in the TDS.

102 In addition to the requirements under ITT 10.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Tender shall be signed by all members and submitted with the Tender, together with a copy of the proposed Agreement.

103 The Tenderer shall furnish in the Form of Tender information on commissions gratuities, and fees, if any, paid or to be paid to agents or any other party relating to this Tender.

### **11 Form of Tender and Price Schedules**

11.1 The Form of Tender and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Tendering Forms. The forms must be completed without any alterations to the text. All blank spaces shall be filled in with the information requested. The Tenderer shall chronologically serialise pages of all tender documents submitted.

### **12 Alternative Tenders**

12.1 Unless otherwise specified **in the TDS**, alternative Tenders shall not be considered.

### 13. Tender Prices and discounts

- 131 The prices quoted by the Tenderer in the Form of Tender and in the Price, Schedules shall conform to the requirements specified below.
- 132 All lots (contracts) and items must be listed and priced separately in the Price Schedules.
- 133 The price to be quoted in the Form of Tender in accordance with ITT10.1 shall be the total price of the Tender, including any discounts offered.
- 134 The Tenderer shall quote any discounts and indicate the methodology for their application in the form of tender. Conditional discounts will be rejected.
- 135 Prices quoted by the Tenderer shall be fixed during the performance of the Contract and not subject to variation on any account, unless otherwise specified **in the TDS**. A Tender submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected, pursuant to ITT 28. However, if in accordance with **the TDS**, prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract, a Tender submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.
- 136 If specified in ITT 1.1, Tenders are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise specified **in the TDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Tenderers wishing to offer discounts for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITT 13.4 provided the Tenders for all lots (contracts) are opened at the same time.
- 137 The terms EXW, CIP, CIF, DDP and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce.
- 138 Prices shall be quoted as specified in each Price Schedule included in Section IV, Tendering Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Tenders by the Procuring Entity. This shall not in any way limit the Procuring Entity's right to contract on any of the terms offered. In quoting prices, the Tenderer shall be free to use transportation through carriers registered in any eligible country. Similarly, the Tenderer may obtain insurance services from any eligible country in accordance with ITT 3.6, Eligible Tenders. Prices shall be entered in the following manner:
- a) For Goods manufactured in Kenya:
    - i) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the- shelf, as applicable) final destination point indicated in the **TDS**, including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
    - ii) any sales tax and other taxes which will be payable in Kenya on the Goods if the Contract is awarded to the Tenderer; and
    - iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination specified **in the TDS**.
  - b) For Goods manufactured outside Kenya, to be imported:
    - i) the price of the Goods, quoted CIP named place of destination, in Kenya, as specified **in the TDS**;
    - ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination specified **in the TDS**;
  - c) For Goods manufactured outside Kenya, already imported:
    - i) the price of the Goods, including the original import value of the Goods; plus, any mark-up (or rebate); plus, any other related local cost, and custom duties and other import taxes already paid or to be paid on the Goods already imported;
    - ii) the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;

- iii) any sales and other taxes levied in Kenya which will be payable on the Goods if the Contract is awarded to the Tenderer; and
- iv) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified **in the TDS**.

- d) for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements, the price of each item comprising the Related Services (inclusive of any applicable taxes).

**14. Currencies of Tender and Payment**

**141** The currency (ies) of the Tender, the currency (ies) of award and the currency (ies) of contract payments shall be the same.

**142** The Tenderer shall quote in Kenya shillings. If allowed in the **TDS**, the Tenderer may express the Tender price in any currency, provided it shall use no more than two foreign currencies in addition to the Kenya Shilling.

**143** The rates of exchange to be used by the Tenderer shall be based on the exchange rates provided by the Central Bank of Kenya on the date 30 days prior to the actual date of tender opening.

**15. Documents Establishing the Eligibility and Conformity of the Goods and Related Services**

**151** To establish the eligibility of the Goods and Related Services in accordance with ITT 15, Tenderers shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Tendering Forms.

**152** To establish the conformity of the Goods and Related Services to the tendering document, the Tenderer shall furnish as part of its Tender the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.

**153** The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Section VII, Schedule of Requirements.

**154** The Tenderer shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the TDS** following commencement of the use of the goods by the Procuring Entity.

**155** Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Procuring Entity in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Tenderer may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Procuring Entity's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section VII, Schedule of Requirements.

**16. Documents Establishing the Eligibility and Qualifications of the Tenderer**

**161** To establish Tenderer eligibility in accordance with ITT 4, Tenderers shall complete the Form of Tender, included in Section IV, Tendering Forms.

**162** The documentary evidence of the Tenderer qualifications to perform the Contract if its Tender is accepted shall establish to the Procuring Entity's satisfaction:

- a) that, if required **in the TDS**, a Tenderer that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Tendering Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Kenya;
- b) that, if required **in the TDS**, in case of a Tenderer not doing business within the Kenya, the Tenderer is or will be (if awarded the Contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- c) that the Tenderer meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

**17. Period of Validity of Tenders**

**171** Tenders shall remain valid for the Tender Validity period specified **in the TDS**. The Tender Validity period starts from the date fixed for the Tender submission deadline (as prescribed by the Procuring Entity in

accordance with ITT 21.1). A Tender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.

172 In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may request Tenderers to extend the period of validity of their Tenders. The request and the responses shall be made in writing. If a Tender Security is requested in accordance with ITT 18, it shall also be extended for a corresponding period. A Tenderer may refuse the request without forfeiting its Tender Security. A Tenderer granting the request shall not be required or permitted to modify its Tender, except as provided in ITT 17.3.

173 If the award is delayed by a period exceeding the number of days to be specified in the **TDS** days beyond the expiry of the initial tender validity period, the Contract price shall be determined as follows:

- a) in the case of **fixed price** contracts, the Contract price shall be the tender price adjusted by the factor specified **in the TDS**;
- b) in the case of **adjustable price** contracts, no adjustment shall be made; or in any case, tender evaluation shall be based on the tender price without taking into consideration the applicable correction from those indicated above.

## **18. Tender Security**

181 The Tenderer shall furnish as part of its Tender, either a Tender-Securing Declaration or a Tender Security, as specified **in the TDS**, in original form and, in the case of a Tender Security, in the amount and currency specified **in the TDS**.

182 A Tender Securing Declaration shall use the form included in Section IV, Tendering Forms.

183 If a Tender Security is specified pursuant to ITT 18.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer option:

- i) cash;
- ii) a bank guarantee;
- iii) a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority; or
- iv) a letter of credit; or
- v) guarantee by a deposit taking micro-finance institution, Sacco society, the Youth Enterprise Development Fund or the Women Enterprise Fund.

184 If an unconditional guarantee is issued by a non-Bank financial institution located outside Kenya, the issuing non-Bank financial institution shall have a correspondent financial institution located in Kenya to make it enforceable unless the Procuring Entity has agreed in writing, prior to Tender submission, that a correspondent financial institution is not required. In the case of a bank guarantee, the Tender Security shall be submitted either using the Tender Security Form included in Section IV, Tendering Forms, or in another substantially similar format approved by the Procuring Entity prior to Tender submission. The Tender Security shall be valid for thirty (30) days beyond the original validity period of the Tender, or beyond any period of extension if requested under ITT 17.2.

185 If a Tender Security is specified pursuant to ITT 18.1, any Tender not accompanied by a substantially responsive Tender Security shall be rejected by the Procuring Entity as non-responsive.

186 If a Tender Security is specified pursuant to ITT 18.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer signing the Contract and furnishing the Performance Security pursuant to ITT 46. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined non-responsive or a bidder declines to extend tender validity period.

- 187 The Tender Security of the successful Tenderer shall be returned as promptly as possible once the successful Tenderer has signed the Contract and furnished the required Performance Security.
- 188 The Tender Security may be forfeited or the Tender Securing Declaration executed:
- a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer in the Form of Tender, or any extension thereto provided by the Tenderer; or
  - b) if the successful Tenderer fails to:
    - i) sign the Contract in accordance with ITT 45; or
    - ii) furnish a Performance Security in accordance with ITT 46.
- 189 Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA that PPRA debar the Tenderer from participating in public procurement as provided in the law.
- 18.10 The Tender Security or Tender- Securing Declaration of a JV must be in the name of the JV that submits the Tender. If the JV has not been legally constituted into a legally enforceable JV at the time of Tendering, the Tender Security or Tender-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITT3.1 and ITT 10.2.
- 18.11 A tenderer shall not issue a tender security to guarantee itself.

## **19. Format and Signing of Tender**

- 19.1 The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 11 and clearly mark it "ORIGINAL." Alternative Tenders, if permitted in accordance with ITT 12, shall be clearly marked "ALTERNATIVE." In addition, the Tenderer shall submit copies of the Tender, in the number **specified in the TDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 19.2 Tenderers shall mark as "CONFIDENTIAL" information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.
- 19.3 The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Tenderer. This authorization shall consist of a written confirmation **as specified in the TDS** and shall be attached to the Tender. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Tender where entries or amendments have been made shall be signed or initialled by the person signing the Tender.
- 19.4 In case the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by each members' legally authorized representatives.
- 19.5 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the Tender.

## **D. Submission and Opening of Tenders**

### **20 Sealing and Marking of Tenders**

- 20.1 Depending on the sizes or quantities or weight of the tender documents, a tenderer may use an envelope, package or container. The Tenderer shall deliver the Tender in a single sealed envelope, or in a single sealed package, or in a single sealed container bearing the name and Reference number of the Tender, addressed to the Procuring Entity and a warning not to open before the time and date for Tender opening date. Within the single envelope, package or container, the Tenderer shall place the following separate, sealed envelopes:
- a) in an envelope or package or container marked "ORIGINAL", all documents comprising the Tender, as described in ITT 11; and
  - b) in an envelope or package or container marked "COPIES", all required copies of the Tender; and
  - c) if alternative Tenders are permitted in accordance with ITT 12, and if relevant:
    - i) in an envelope or package or container marked "ORIGINAL –ALTERNATIVE TENDER", the alternative Tender; and
    - ii) in the envelope or package or container marked "COPIES- ALTERNATIVE TENDER", all required copies of the alternative Tender.

- 202 The inner envelopes or packages or containers shall:
- a) bear the name and address of the Procuring Entity.
  - b) bear the name and address of the Tenderer; and
  - c) bear the name and Reference number of the Tender.
- 203 Where a tender package or container cannot fit in the tender box, the procuring entity shall:
- a) Specify in the **TDS** where such documents should be received.
  - b) maintain a record of tenders received and issue acknowledgement receipt note to each tenderer specifying time and date of receipt.
  - c) Ensure all tenders received are handed over to the tender opening committee for opening at the specified opening place and time.
- 204 If an envelope or package or container is not sealed and marked as required, the *Procuring Entity* will assume no responsibility for the misplacement or premature opening of the Tender. Tenders misplaced or opened prematurely will not be accepted.

## **21. Deadline for Submission of Tenders**

- 21.1 Tenders must be received by the Procuring Entity at the address and no later than the date and time specified **in the TDS**. When so specified **in the TDS**, Tenderers shall have the option of submitting their Tenders electronically. Tenderers submitting Tenders electronically shall follow the electronic Tender submission procedures **specified in the TDS**.
- 21.2 The Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders by amending the tendering document in accordance with ITT7, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

## **22. Late Tenders**

- 22.1 The Procuring Entity shall not consider any Tender that arrives after the deadline for submission of Tenders. Any Tender received by the Procuring Entity after the deadline for submission of Tenders shall be declared late, rejected, and returned unopened to the Tenderer.

## **23. Withdrawal, Substitution, and Modification of Tenders**

- 23.1 A Tenderer may withdraw, substitute, or modify its Tender after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITT19.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Tender must accompany the respective written notice. All notices must be:
- a) prepared and submitted in accordance with ITT 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION;" and
  - b) received by the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 22.
- 23.3 Tenders requested to be withdrawn in accordance with ITT 23.1 shall be returned unopened to the Tenderers.
- 23.4 No Tender may be withdrawn, substituted, or modified 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 Form of Tender or any extension thereof.

## **24. Tender Opening**

- 24.1 Except as in the cases specified in ITT 23, the Procuring Entity shall, at the Tender opening, publicly open and read out all Tenders received by the deadline at the date, time and place specified **in the TDS** in the presence of Tenderers' designated representatives who choose to attend, including to attend any specific electronic tender opening procedures if electronic tendering is permitted in accordance with ITT 21.1, shall be as specified **in the TDS**.

- 242 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding Tender shall not be opened, but returned to the Tenderer. If the withdrawal envelope does not contain a copy of the “power of attorney” confirming the signature as a person duly authorized to sign on behalf of the Tenderer, the corresponding Tender will be opened. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Tender opening.
- 243 Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding Tender being substituted, and the substituted Tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Tender opening.
- 244 Next, envelopes marked “MODIFICATION” shall be opened and read out with the corresponding Tender. No Tender modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Tender opening.
- 245 Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Tenderer and whether there is a modification; the total Tender Prices, per lot (contract) if applicable, including any discounts and alternative Tenders; the presence or absence of a Tender Security, if required; and any other details as the Procuring Entity may consider appropriate.
- 246 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further for evaluation. The Form of Tender and pages of the Bills of Quantities are to be initialed by the members of the tender opening committee attending the opening. The number of representatives of the Procuring Entity to sign shall be specified in the **TDS**.
- 247 The Procuring Entity shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 22.1).
- 248 The Procuring Entity shall prepare a record of the Tender opening that shall include, as a minimum:
- a) the name of the Tenderer and whether there is a withdrawal, substitution, or modification;
  - b) the Tender Price, per lot (contract) if applicable, including any discounts;
  - c) any alternative Tenders;
  - d) the presence or absence of a Tender Security or Tender-Securing Declaration, if one was required;
  - e) number of pages of each tender document submitted.
- 249 The Tenderers' representatives who are present shall be requested to sign the record. The omission of a Tenderer signature on the record shall not invalidate the contents and effect of the record. A copy of the tender opening register shall be issued to a Tenderer upon request.

## **E. Evaluation and Comparison of Tenders**

### **25. Confidentiality**

- 25.1 Information relating to the evaluation of Tenders and recommendation of contract award, shall not be disclosed to Tenderers or any other persons not officially concerned with the tendering process until the information on Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 41.
- 25.2 Any effort by a Tenderer to influence the Procuring Entity in the evaluation or contract award decisions may result in the rejection of its Tender.
- 25.3 Notwithstanding ITT 25.2, from the time of Tender opening to the time of Contract Award, if any Tenderer wishes to contact the Procuring Entity on any matter related to the Tendering process, it should do so in writing.

### **26. Clarification of Tenders**

- 26.1 To assist in the examination, evaluation, comparison of the Tenders, and qualification of the Tenderers, the Procuring Entity may, at its discretion, ask any Tenderer for a clarification of its Tender. Any clarification submitted by a Tenderer in respect to its Tender and that is not in response to a request by the Procuring Entity shall not be considered. The Procuring Entity's request for clarification and the response shall be in writing. No

change, including any voluntary increase or decrease, in the prices or substance of the Tender shall be sought, offered, or permitted except to confirm the correction of arithmetic errors discovered by the Procuring Entity in the Evaluation of the Tenders, in accordance with ITT 30.

If a Tenderer does not provide clarifications of its Tender by the date and time set in the Procuring Entity's request for clarification, its Tender may be rejected.

## **27. Deviations, Reservations, and Omissions**

27.1 During the evaluation of Tenders, the following definitions apply:

- a) "Deviation" is a departure from the requirements specified in the Tendering document;
- b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the tendering document; and
- c) "Omission" is the failure to submit part or all of the information or documentation required in the tendering document.

## **28. Determination of Responsiveness**

28.1 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the Tender itself, as defined in ITT28.2.

28. A substantially responsive Tender is one that meets the requirements of the tendering document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:

- a) if accepted, would:
  - i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
  - ii) limit in any substantial way, inconsistent with the tendering document, the Procuring Entity's rights or the Tenderer obligations under the Contract; or
- b) if rectified, would unfairly affect the competitive position of other Tenderers presenting substantially responsive Tenders.

28.2 The Procuring Entity shall examine the technical aspects of the Tender submitted in accordance with ITT 15 and ITT 16, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission.

28.3 If a Tender is not substantially responsive to the requirements of tendering document, it shall be rejected by the Procuring Entity and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

## **29. Non-conformities, Errors and Omissions**

29.1 Provided that a Tender is substantially responsive, the Procuring Entity may waive any non-conformities in the Tender.

29.2 Provided that a Tender is substantially responsive, the Procuring Entity may request that the Tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial non-conformities or omissions in the Tender related to documentation requirements. Such omission shall not be related to any aspect of the price of the Tender. Failure of the Tenderer to comply with the request may result in the rejection of its Tender.

29.3 Provided that a Tender is substantially responsive, the Procuring Entity shall rectify quantifiable nonmaterial non-conformities related to the Tender Price. To this effect, the Tender Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified in the TDS. The adjustment shall be based on the *average* price of the item or component as quoted in other substantially responsive Tenders. If the price of the item or component cannot be derived from the price of other substantially responsive Tenders, the Procuring Entity shall use its best estimate.

### **30. Arithmetical Errors**

- 30.1 The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity.
- 30.2 Provided that the Tender is substantially responsive, the Procuring Entity shall handle errors on the following basis:
- a) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to disqualification of the tender as non-responsive .
  - b) Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. and
  - c) if there is a discrepancy between words and figures, the amount in words shall prevail.
- 30.2 Tenderers shall be notified of any error detected in their bid during the notification of a ward.

### **31. Conversion to Single Currency**

- 31.1 For evaluation and comparison purposes, the currency(ies) of the Tender shall be converted in a single currency as specified **in the TDS**.

### **32. Margin of Preference and Reservations**

- 32.1 A margin of preference may be allowed on locally manufactured goods only when the contract is open to international tendering, where the tender is likely to attract foreign goods and where the contract exceeds the threshold specified in the Regulations.
- 32.2 For purposes of granting a margin of preference on locally manufactured goods under international competitive tendering, a procuring entity shall not subject the items listed below to international tender and hence no margin of preference shall be allowed. The affected items are:
- a) motor vehicles, plant and equipment which are assembled in Kenya;
  - b) furniture, textile, foodstuffs, oil and gas, information communication technology, steel, cement, leather agro-processing, sanitary products, and other goods made in Kenya; or
  - c) goods manufactured, mined, extracted or grown in Kenya.
- 32.3 A margin of preference shall not be allowed unless it is specified so in the **TDS**.
- 32.4 Contracts procured on basis of international competitive tendering shall not be subject to reservations to specific groups as provided in ITT 32.5.

- 32.5 Where it is intended to reserve a contract to a specific group of businesses (these groups are Small and Medium Enterprises, Women Enterprises, Youth Enterprises and Enterprises of persons living with disability, as the case may be), and who are appropriately registered as such by the authority to be specified in the **TDS**, a procuring entity shall ensure that the invitation to tender specifically indicates that only businesses or firms belonging to the specified group are eligible to tender as specified in the **TDS**. No tender shall be reserved to more than one group. If not so stated in the Tender documents, the invitation to tender will be open to all interested tenderers.

### **33. Evaluation of Tenders**

- 33.1 The Procuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies, the Procuring Entity shall determine the Lowest Evaluated Tender. This is the Tender of the Tenderer that meets the qualification criteria and whose Tender has been determined to be:
- a) substantially responsive to the tender documents; and
  - b) the lowest evaluated price.

- 332 Price evaluation will be done for Items or Lots (contracts), as specified **in the TDS**; and the Tender Price as quoted in accordance with ITT 14. To evaluate a Tender, the Procuring Entity shall consider the following:
- a) price adjustment due to unconditional discounts offered in accordance with ITT 13.4;
  - b) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 31;
  - c) price adjustment due to quantifiable nonmaterial non-conformities in accordance with ITT 29.3; and
  - d) any additional evaluation factors specified **in the TDS** and Section III, Evaluation and Qualification Criteria.
- 333 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be considered in Tender evaluation.
- 334 Where the tender involves multiple lots or contracts, the tenderer will be allowed to tender for one or more lots (contracts). Each lot or contract will be evaluated in accordance with ITT 33.2. The methodology to determine the lowest evaluated tenderer or tenderers based one lot (contract) or based on a combination of lots (contracts), will be specified in Section III, Evaluation and Qualification Criteria. In the case of multiple lots or contracts, tenderer will be will be required to prepare the Eligibility and Qualification Criteria Form for each Lot.
- 335 The Procuring Entity's evaluation of a Tender will include and consider:
- a) in the case of Goods manufactured in Kenya, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Tenderer;
  - b) in the case of Goods manufactured outside Kenya, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Tenderer;
- 336 The Procuring Entity's evaluation of a Tender may require the consideration of other factors, in addition to the Tender Price quoted in accordance with ITT 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Tenders, unless otherwise specified in the **TDS** from amongst those set out in Section III, Evaluation and Qualification Criteria. The additional criteria and methodologies to be used shall be as specified in ITT 33.2(d).

#### **34. Comparison of Tenders**

- 34.1 The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 33.2 to determine the Tender that has the lowest evaluated cost. The comparison shall be on the basis of total cost (place of final destination) prices for all goods and all prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within the Kenya, together with prices for any required installation, training, commissioning and other services.

#### **35. Abnormally Low Tenders**

- 35.1 An Abnormally Low Tender is one where the Tender price, in combination with other constituent elements of the Tender, appears unreasonably low to the extent that the Tender price raises material concerns with the Procuring Entity as to the capability of the Tenderer to perform the Contract for the offered Tender price.
- 35.2 In the event of identification of a potentially Abnormally Low Tender by the evaluation committee, the Procuring Entity shall seek written clarification from the Tenderer, including a detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, delivery schedule, allocation of risks and responsibilities and any other requirements of the tendering document.
- 35.3 After evaluation of the price analysis, in the event that the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the contract for the offered Tender price, the Procuring Entity shall reject the Tender.

#### **36. Abnormally High Tenders**

- 36.4 An abnormally high price is one where the tender price, in combination with other constituent elements of the

Tender, appears unreasonably too high to the extent that the Procuring Entity is concerned that it (the Procuring Entity) may not be getting value for money or it may be paying too high a price for the contract compared with market prices or that genuine competition between Tenderers is compromised.

- 36.5 In case of an abnormally high tender price, the Procuring Entity shall make a survey of the market prices, check if the estimated cost of the contract is correct and review the Tender Documents to check if the specifications, scope of work and conditions of contract are contributory to the abnormally high tenders. The Procuring Entity may also seek written clarification from the tenderer on the reason for the high tender price. The Procuring Entity shall proceed as follows:
- i) If the tender price is abnormally high based on wrong estimated cost of the contract, the Procuring Entity may accept or not accept the tender depending on the Procuring Entity's budget considerations.
  - ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, the Procuring Entity shall reject all tenders and may retender for the contract based on revised estimates, specifications, scope of work and conditions of contract, as the case may be.
- 36.6 If the Procuring Entity determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised (*often due to collusion, corruption or other manipulations*), the Procuring Entity shall reject all Tenders and shall institute or cause relevant Government Agencies to institute an investigation on the cause of the compromise, before retendering.

### **37. Post Qualification of the Tenderer**

- 37.1 The Procuring Entity shall determine, to its satisfaction, whether the eligible Tenderer that is selected as having submitted the lowest evaluated cost and substantially responsive Tender, meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.
- 37.2 The determination shall be based upon an examination of the documentary evidence of the Tenderer qualifications submitted by the Tenderer, pursuant to ITT 15 and 16. The determination shall not take into consideration the qualifications of other firms such as the Tenderer subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the tendering document), or any other firm(s) different from the Tenderer.
- 37.3 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the Procuring Entity shall proceed to the Tenderer who offers a substantially responsive Tender with the next lowest evaluated cost to make a similar determination of that Tenderer qualifications to perform satisfactorily.

### **38. Lowest Evaluated Tender**

- 38.1 Having compared the evaluated prices of Tenders, the Procuring Entity shall determine the Lowest Evaluated Tender. The Lowest Evaluated Tender is the Tender of the Tenderer that meets the Qualification Criteria and whose Tender has been determined to be:
- a) Most responsive to the Tender document; and
  - b) the lowest evaluated price.

### **39. Procuring Entity's Right to Accept Any Tender, and to Reject Any or All Tenders.**

- 39.1 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 notification Award, without thereby incurring any liability to Tenderers. In case of annulment, all Tenderers shall be notified with reasons and all Tenders submitted and specifically, tender securities, shall be promptly returned to the Tenderers.

## **F. Award of Contract**

### **40. Award Criteria**

The Procuring Entity shall award the Contract to the successful tenderer whose tender has been determined to be the Lowest Evaluated Tender in accordance with procedures in Section 3: Evaluation and Qualification Criteria.

#### **41. Notice of Intention to enter into a Contract**

Upon award of the contract and Prior to the expiry of the Tender Validity Period the Procuring Entity shall issue a Notification of Intention to Enter into a Contract / Notification of award to all tenderers which shall contain, at a minimum, the following information:

- a) the name and address of the Tenderer submitting the successful tender;
- b) the Contract price of the successful tender;
- c) a statement of the reason(s) the tender of the unsuccessful tenderer to whom the letter is addressed was unsuccessful, unless the price information in (c) above already reveals the reason;
- d) the expiry date of the Standstill Period; and
- e) instructions on how to request a debriefing and/or submit a complaint during the standstill period;

#### **42. Standstill Period**

42.1 The Contract shall not be awarded earlier than the expiry of a Standstill Period of 14 days to allow any dissatisfied candidate to launch a complaint. Where only one Tender is submitted, the Standstill Period shall not apply.

42.2 Where standstill period applies, it shall commence when the Procuring Entity has transmitted to each Tenderer the Notification of Intention to Enter into a Contract to the successful Tenderer.

#### **43. Debriefing by the Procuring Entity**

43.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 41, an unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.

43.2 Debriefings of unsuccessful Tenderers may be done in writing or verbally. The Tenderer shall bear its own costs of attending such a debriefing meeting.

#### **44. Letter of Award**

Prior to the expiry of the Tender Validity Period and upon expiry of the Standstill Period specified in ITT 42, upon addressing a complaint that has been filed within the Standstill Period, the Procuring Entity shall transmit the Letter of Award to the successful Tenderer. The letter of award shall request the successful tenderer to furnish the Performance Security within 21 days of the date of the letter.

#### **45. Signing of Contract**

45.1 Upon the expiry of the fourteen days of the Notification of Intention to enter into contract and upon the parties meeting their respective statutory requirements, the Procuring Entity shall send the successful Tenderer the Contract Agreement.

45.2 Within fourteen (14) days of receipt of the Contract Agreement, the successful Tenderer shall sign, date, and return it to the Procuring Entity.

45.3 The written contract shall be entered into within the period specified in the notification of award and before expiry of the tender validity period.

#### **46. Performance Security**

46.1 Within twenty-one (21) days of the receipt of Letter of Acceptance from the Procuring Entity, the successful Tenderer, if required, shall furnish the Performance Security in accordance with the GCC 18, using for that purpose the Performance Security Form included in Section X, Contract Forms. If the Performance Security furnished by the successful Tenderer is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Tenderer to be acceptable to the Procuring Entity. A foreign institution providing a bond shall have a correspondent financial institution located in Kenya, unless the Procuring Entity has agreed in writing that a correspondent financial institution is not required.

462 Failure of the successful Tenderer to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the Tenderer offering the next lowest Evaluated Tender.

463 Performance security shall not be required for a contract, if so specified in the **TDS**.

#### **47. Publication of Procurement Contract**

Within fourteen days after signing the contract, the Procuring Entity shall publish and publicize the awarded contract at its notice boards, entity website; and on the Website of the Authority in manner and format prescribed by the Authority. At the minimum, the notice shall contain the following information:

- a) name and address of the Procuring Entity;
- b) name and reference number of the contract being awarded, a summary of its scope and the selection method used;
- c) the name of the successful Tenderer, the final total contract price, the contract duration.
- d) dates of signature, commencement and completion of contract;
- e) names of all Tenderers that submitted Tenders, and their Tender prices as read out at Tender opening;

#### **48. Procurement Related Complaint**

The procedures for making a Procurement-related Complaint are as specified in the **TDS**.

## SECTION II – TENDER DATA SHEET (TDS)

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

<b>ITT Reference</b>	<b>A. General</b>
<b>ITT 1.1</b>	<p>The reference number of the Invitation for Tenders is: <b>TENDER NUMBER: SDPW/SB/029/2022-2024</b></p> <p>The Procuring Entity is: <b>MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT, STATE DEPARTMENT OF PUBLIC WORKS – SUPPLIES BRANCH DEPARTMENT</b></p> <p>The name of the Contract is: <b>SUPPLY AND DELIVERY OF WORKSHOP EQUIPMENT AND ACCESSORIES ON AS AND WHEN REQUIRED BASIS, FOR TWO YEARS</b></p> <p>The number and identification of lots (contracts) comprising this Invitation for Tenders is: <b>N/A</b></p>
<b>ITT 2.3</b>	The Information made available on competing firms is as follows: <b>N/A</b>
<b>ITT 2.4</b>	The firms that provided consulting services for the contract being tendered for are: <b>N/A</b>
<b>ITT 3.1</b>	Maximum number of members in the Joint Venture (JV) shall be: <b>N/A</b>
<b>ITT3.7</b>	A list of debarred firms and individuals is available on the PPRA's website: <a href="http://www.ppra.go.ke">www.ppra.go.ke</a>
<b>ITT 3.11</b>	Tenderers shall be required to be to be registered with <b>N/A</b>
	<b>B. Contents of Tendering Document</b>
<b>ITT 6.1</b>	<p>(a) Address where to send enquiries is: <b>Email: <a href="mailto:info@suppliesbranch.go.ke">info@suppliesbranch.go.ke</a></b></p> <p><b>Addressed to: The Head Supply Chain Mgt. Services, Supplies Branch, Likoni Road, Industrial Area, P. O. Box 30743-00100, Nairobi</b></p> <p>to reach the Procuring Entity not later than <b>within 7 days before submission.</b></p> <p>(b) The Procuring Entity publish its response at the website <a href="http://www.suppliesbranch.go.ke">www.suppliesbranch.go.ke</a></p>
	<b>C. Preparation of Tenders</b>
<b>ITT 13.5</b>	The prices quoted by the Tenderer <b>SHALL</b> be adjusted regularly through an advisory issued to the End Users due to volatility of prices during the performance of the contract in accordance to Section 139 4 (a) of the Public Procurement and Asset Disposal Act, 2015 and subject to the market survey conducted.
<b>ITT 13.8 (a) (i) and (iii)</b>	Place of final destination: <b>Point of use or as advised by End User Procuring Entity</b>
<b>ITT 13.8 (a) (iii)</b>	Final Destination (Project Site): <b>Point of use or as advised by End User Procuring Entity</b>
<b>ITT 13.8 (b) (i)</b>	Named place of destination, in Kenya is <b>Point of use or as advised by End User Procuring Entity</b>
<b>13.8 (c) (iv)</b>	The place of final destination is <b>Point of use or as advised by Procuring Entity</b>

ITT 14.2	Foreign currency requirements <b>not allowed</b> .
ITT 15.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts): N/A
ITT 16.2 (a)	Manufacturer's authorization is: <b>Not Required</b>
ITT 16.2 (b)	After sales service is: <b>Not Required</b>
ITT 17.1	The Tender validity period shall be <b>180</b> days.
ITT 18.1	A <i>Tender Security</i> <b>Shall be</b> required.  Tender Security shall be required and the amount and currency of the Tender Security shall be <b>Kshs. 2,000,000.00</b>
ITT 19.1	In addition to the original of the Tender, the number of copies is: One ( <i>1</i> ) <i>copy</i>
ITT 19.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: <b>POWER OF ATTORNEY</b> [ <i>insert the name and description of the documentation required to demonstrate the authority of the signatory to sign the Tender</i> ].
	<b>D. Submission and Opening of Tenders</b>
ITT 20.3	A tender document that cannot fit in the tender box shall be received as follows: <b>Physically and recorded in a register in the office of the Head of Supply Chain Magement Services on 2<sup>nd</sup> Floor, Rm No. 205.</b>

ITT 21.1	For <b><u>Tender submission purposes</u></b> only, the Procuring Entity's address is:  Attention: <b>The Head/Supply Chain Mgt. Services,</b> Postal Address: <b>P. O. Box 30743-00100, Nairobi, Kenya</b> Physical Address: <b>Supplies Branch, Likoni Road, Opp. NTSA- Industrial Area</b> Telephone: +254 (0) 20 2140020/ +254 (0) 20 2150020 Electronic mail address: <a href="mailto:info@suppliesbranch.go.ke">info@suppliesbranch.go.ke</a>  <b>The deadline for Tender submission is:</b> Date: <b>10<sup>th</sup> March, 2023</b> Time: <b>10:00 a.m.</b>  tenderers <b><i>Shall not</i></b> have the option of submitting their Tenders electronically.
ITT 24.1	The Tender opening shall take place at:  Attention: <b>The Head Supply Chain Mgt. Services,</b> <b>Supplies Branch,</b> <b>Likoni Road, Industrial Area</b> Postal Address: <b>P. O. Box 30743-00100, Nairobi, Kenya</b> Physical Address: <b>Supplies Branch, Likoni Road, Industrial Area.</b>  Date: <b>10<sup>th</sup> March, 2023</b>  Time: <b>10:00 a.m.</b>
ITT 24.6	The number of representatives of the Procuring Entity to sign is: As per the Tender Opening Committee; whereby, each Tender shall be initialed by all representatives and shall be numbered.

<b>E. Evaluation and Comparison of Tenders</b>			
<b>ITT 32.3</b>	A margin of preference and/or reservation " <i>shall not</i> " apply.		
<b>ITT 33.1</b>	The Procuring Entity shall recommend more than one bid as per the provisions of Section 20 and 32 of the Public Procurement and Asset Disposal (Amendment) Act, 2022		
<b>ITT 32.5</b>	The invitation to tender is extended to the following group that qualify for Reservations N/A		
<b>ITT 33.2</b>	Price evaluation will be done for; <b>Items quoted for - Supply and Delivery of WORKSHOP EQUIPMENT AND ACCESSORIES on As and When Required, for Two Years</b>		
<b>ITT 33.2 (Samples)</b>	No Samples Required.		
<b>ITT 33.2 (d)</b>	Additional evaluation factors are <b>See Evaluation Criteria</b>		
<b>ITT 33.6</b>	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: N/A  <ul style="list-style-type: none"> <li>(a) Deviation in Delivery schedule: <i>No.</i></li> <li>(b) Deviation in payment schedule: <i>No.</i></li> <li>(c) the cost of major replacement component, mandatory spare parts, and service: N/A</li> <li>(d) the availability in Kenya of spare parts and after-sales services for the equipment offered in the Tender N/A</li> <li>(e) Life cycle costs: the costs during the life of the goods or equipment N/A</li> <li>(f) the performance and productivity of the equipment offered; N/A</li> </ul>		
<b>ITT 34</b>	Prevailing market prices will be used to determine the lowest evaluated bids. The evaluation committee may recommend one or more bids whose prices are within the market rates for award as per the provisions of Section 141 of the Public Procurement Act, 2015.		
<b>ITT F 40</b>	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><b>MANDATORY EVALUATION CRITERIA</b></th> </tr> </thead> <tbody> <tr> <td> <p>The following under- listed documents <b>MUST</b> be submitted in the following order:</p> <ol style="list-style-type: none"> <li>1. Certificate of Incorporation or Registration.</li> <li>2. CR 12 where applicable produced in the last 6 months.</li> <li>3. Power of Attorney of individual authorized to sign documents on behalf of directors. (<i>Not Applicable to Sole Proprietor firms</i>)</li> <li>4. Valid Tax Compliance Certificate.</li> <li>5. Documentary evidence where a company has been incorporated after being a sole proprietorship.</li> <li>6. Duly filled, signed and stamped Confidential Business Questionnaire Form - to establish that the bidder is not in any conflict of interest.</li> <li>7. Duly filled, signed and stamped Form of Tender.</li> <li>8. Duly filled, signed and stamped Certificate of Independent Tender Determination – to declare that the bidder has completed the tender without colluding with other tenderers.</li> <li>9. Duly filled, signed and stamped SD 1 and SD 2 forms (attached).</li> <li>10. Duly filled, signed and stamped - Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal.</li> <li>11. Fill, Signed and Stamped Beneficial disclosure commitment form.</li> <li>12. Original bid bond of <b>Kshs.2,000,000</b> from a reputable bank addressed to the Head/Supplies Branch and to remain in force for a period of</li> </ol> </td> </tr> </tbody> </table>	<b>MANDATORY EVALUATION CRITERIA</b>	<p>The following under- listed documents <b>MUST</b> be submitted in the following order:</p> <ol style="list-style-type: none"> <li>1. Certificate of Incorporation or Registration.</li> <li>2. CR 12 where applicable produced in the last 6 months.</li> <li>3. Power of Attorney of individual authorized to sign documents on behalf of directors. (<i>Not Applicable to Sole Proprietor firms</i>)</li> <li>4. Valid Tax Compliance Certificate.</li> <li>5. Documentary evidence where a company has been incorporated after being a sole proprietorship.</li> <li>6. Duly filled, signed and stamped Confidential Business Questionnaire Form - to establish that the bidder is not in any conflict of interest.</li> <li>7. Duly filled, signed and stamped Form of Tender.</li> <li>8. Duly filled, signed and stamped Certificate of Independent Tender Determination – to declare that the bidder has completed the tender without colluding with other tenderers.</li> <li>9. Duly filled, signed and stamped SD 1 and SD 2 forms (attached).</li> <li>10. Duly filled, signed and stamped - Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal.</li> <li>11. Fill, Signed and Stamped Beneficial disclosure commitment form.</li> <li>12. Original bid bond of <b>Kshs.2,000,000</b> from a reputable bank addressed to the Head/Supplies Branch and to remain in force for a period of</li> </ol>
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	<p><u>Two Hundred and Ten (210) days</u> from the closing date of the tender. (Bid bond from Insurance Companies shall not be permitted).</p> <p>13. Bidders must provide evidence of having supplied similar items in the last 3 years by providing copies of orders and award letters from the current major clients.</p> <p>14. Submit audited accounts for last 3years (2020,2021,2022) to demonstrate the current soundness of the bidder’s financial position and its prospective long-term profitability. Bidders are required to have a minimum average annual turnover of Kenya Shillings 20,000,000.00 equivalent calculated as total payments received for contracts in progress and/or completed within the last 3 years, divided by 3 years.</p> <p>15. Submission of detailed bank account information including 6 months prior to tender opening bank statements, a reference letter from your bank indicating the lines of credit (Kshs.15 million and above) that can be extended to the bidder including bank overdrafts facilities.</p> <p>16. Original <b>Manufacturers’ Brochures</b> for products quoted.</p> <p>17. All pages of both original and copy of the tender documents submitted <b>MUST</b> be sequentially serialized by the tenderers.</p> <p><b>N/B: - Full compliance by the tenderers shall be required to proceed to the next stage of evaluation. Failure to provide any of the listed requirements shall lead to disqualification.</b></p> <p><b>FINANCIAL EVALUATION CRITERIA</b></p> <p>Bids that meet all preliminary evaluation requirements shall be compared on the basis of unit prices quoted. Prevailing market prices will be used to determine the lowest evaluated bids. The evaluation committee may recommend one or more bids whose prices are within the market rates for award as per the provisions of Section 141of the Public Procurement and Asset Disposal Act, 2015.</p>
	<p><b>F. Award of Contract</b></p>
<p><b>ITT 46.3</b></p>	<p>Performance security if so required shall be in the sum of <b>N/A</b></p>
<p><b>ITT 47</b></p>	<p>The procedures for making a Procurement-related Complaint are detailed in the "Notice of Intention to Award the Contract" herein and are also available from the PPRA Website <a href="http://www.ppra.go.ke">www.ppra.go.ke</a>.</p> <p>If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by email or fax), to:</p> <p>For the attention: <b>The Head of Supplies Branch,</b>  Title/position: <b>The Head Supply Chain Mgt. Services</b>  Procuring Entity: <b>Supplies Branch</b>  <b>Likoni Road, Industrial Area</b>  <b>P. O. Box 30743-00100, Nairobi, Kenya</b></p> <p>Email address: <a href="mailto:info@suppliesbranch.go.ke">info@suppliesbranch.go.ke</a></p> <p>In summary, a Procurement-related Complaint may challenge any of the following:</p> <ol style="list-style-type: none"> <li>1. the terms of the Tendering Documents; and</li> <li>2. the Procuring Entity's decision to award the contract.</li> </ol>

## SECTION III - EVALUATION AND QUALIFICATION CRITERIA

### 1. General Provisions

- 11 Wherever a Tenderer is required to state a monetary amount, Tenderers should indicate the Kenya Shilling equivalent using the rate of exchange determined as follows:
- a) For business turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be converted) was originally established.
  - b) Value of single contract - Exchange rate prevailing on the date of the contract signature.
  - c) Exchange rates shall be taken from the publicly available source identified in **the ITT 14.3**. Any error in determining the exchange rates in the Tender may be corrected by the Procuring Entity.
- 12 This section contains the criteria that the Procuring Entity Procuring Entity shall use to evaluate tender and qualify tenderers. No other factors, methods or criteria shall be used other than those specified in this tender document. The Tenderer shall provide all the information requested in the forms included in Section IV, Tendering Forms. The Procuring Entity should use the Standard Tender Evaluation Report for Goods and Works for evaluating Tenders.

### 2. Evaluation of Tenders (ITT 33)

#### 21 Successful Tender or Tenders

The Procuring Entity shall use the criteria and methodologies listed in this Section to evaluate Tenders. By applying these criteria and methodologies, the Procuring Entity shall determine the successful Tender or Tenders which has/have been determined to:

- a) be substantially responsive to the tender documents;
- b) offer the lowest evaluated cost to the Procuring Entity for all items of Goods to be procured based on either a single Contract or all multiple Contracts combined, as the case may be, in accordance with the ITT 13.6 inviting Tender prices and discounts, and provisions made of the Tender Document for evaluation of tenders and award of contract (s); and
- c) be offered by Tenderer or Tenderers that substantially meet the qualification criteria applicable for Contract or combined Contracts for which they are selected.

#### 22 Evaluation of Tenders

##### Preliminary examination for Determination of Responsiveness

The Procuring Entity will start by examining all tenders to ensure they meet in all respects the eligibility criteria and other mandatory requirements in the ITT, and that the tender is complete in all aspects in meeting the requirements provided for in the preliminary evaluation criteria outlined below. The Standard Tender Evaluation Report Document for Goods and Works for evaluating Tenders provides very clear guide on how to deal with review of these requirements. Tenders that do not pass the Preliminary Examination will be considered non-responsive and will not be considered further.

##### PRICE EVALUATION

Consistent with and in addition to the criteria listed in ITT 33.3 and ITT 29.3; and ITT 34 and its subparagraphs the following criteria shall apply:

#### 221 Evaluation of Technical aspects of the Tender

The Procuring Entity shall evaluate the Technical aspects of the Tender to determine compliance with the Procuring Entity's requirements under Section V 'Schedule of Requirement' and whether the Tenders are substantially responsive to the Technical Specifications and other Requirements.

## MARGIN OF PREFERENCE

- a. If the TDS so specifies, the Procuring Entity will grant a margin of preference of 15% (fifteen percent) to Tenderers offering goods manufactured, mined, extracted, grown, assembled or semi-processed in Kenya. Goods assembled or semi-processed in Kenya shall have a local content of not less than 40%.
- b. The margin of preference will be applied in accordance with, and subject to, the following provisions:
  - i. Tenderers applying for such preference on goods offered shall provide, as part of the data for qualification, such information, including details of the goods produced in Kenya, so as to determine whether, according to the classification established by the Procuring Entity, a particular category of goods or group of goods qualifies for a margin of preference.
  - ii. After Tenders have been received and reviewed by the Procuring Entity, goods offered in the responsive Tenders shall be assessed to ascertain they are manufactured, mined, extracted, grown, assembled or semi- processed in Kenya. Responsive tenders shall be classified into the following groups:
    1. **Group A:** Tenders offering goods manufactured in Kenya, for which (a) labour, raw materials, and components from within Kenya account for more than forty (40) percent of the Ex-Works price; and  
(b) the production facility in which they will be manufactured or assembled has been engaged in manufacturing or assembling such goods at least since the date of Tender submission date;
    2. **Group B:** All other Tenders offering Goods manufactured in Kenya;
    3. **Group C:** Tenders offering Goods manufactured outside Kenya that have been already imported or that will be imported.
  - iii. To facilitate this classification by the Procuring Entity, the Tenderer shall complete whichever version of the Price Schedule furnished in the Tender Documents is appropriate. Incorrect classification may render the Tender non-responsive as no reclassification will be permitted after Tender opening. Tenderers shall provide correct information especially with respect to duties, taxes etc. paid on previously imported Goods and percentage of local labour, materials and components for Goods manufactured in Kenya as any false information which cannot be supported by documentation may render the Tender non-responsive besides other sanctions for providing falsified information.
  - iv. The Procuring Entity will first review the Tenders to confirm the appropriateness of the Tender group classification to which Tenderers assigned their Tenders in preparing their Tender Forms and Price Schedules.
  - v. All evaluated Tenders in each group will then be compared to determine the lowest evaluated Tender of each group. Such lowest evaluated Tenders shall be compared with each other and if as a result of this comparison a Tender from Group A or Group B is the lowest, it shall be selected for the award.
  - vi. If as a result of the preceding comparison, the lowest evaluated Tender is a Tender from Group C, all Tenders from Group C shall be further compared with the lowest evaluated Tender from Group A after adding to the evaluated price of goods offered in each Tender from Group C, for the purpose of this further comparison only, an amount equal to 15% (fifteen percent) of the respective CIP Tender price for goods to be imported and already imported goods. Both prices shall include unconditional discounts and be corrected for arithmetical errors. If the Tender from Group A is the lowest, it shall be selected for award. If not, the lowest evaluated Tender from Group C shall be selected as per paragraph (e) above.”

### Post Qualification of Tenderers (ITT 37)

#### vii. Experience and Technical Capacity

The Tenderer shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s) using the form provided in Section IV. In case the Tenderer is a JV, experience and demonstrated technical capacity of only the JV shall be taken into account and not of individual members nor their individual experience/capacity will be aggregated unless all members of the JV have been manufacturing and supplying Goods offered in the Tender to the same technology, processing, design, materials, specifications, model number, etc. in all respects such that Goods manufactured have the same functional characteristics, performance

parameters, outputs and other guarantees and fully interchangeable which shall be documented along with other required documents demonstrating capacity to the satisfaction of the Procuring Entity in case individual members claim experience. Otherwise, documents evidencing experience and technical capacity shall be in the name of the JV that submitted the Tender. Wherever the Words “Similar Goods” have been used it includes upgrades, latest and improved versions or models of similar specifications and technology. Refer to Form Exp-1 to provide the required information.

c. **History of non-performing contracts:**

Tenderer (Supplier or/and manufacturer, and each member of JV in case the Tenderer is a JV, shall demonstrate that Non-performance of a contract did not occur as a result of the default of the Tenderer, manufacturer or the member of JV as the case may be, in the last\_\_\_(*specify years*). The required information shall be furnished as per form CON-2].

d. **Pending Litigation**

Financial position and prospective long-term profitability of the Single Tenderer, and in the case the Tenderer is a JV, of each member of the JV, shall remain sound according to criteria established with respect to Financial Capability under paragraph I (i) above assuming that all pending litigation will be resolved against the Tenderer. Tenderer shall provide information on pending litigations as per Form CON-2.

4.6. **Litigation History**

There shall be no consistent history of court/arbitral award decisions against the Tenderer, in the last N/A (*specify years*). All parties to the contract shall furnish the information on the related Form (CON-2) about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the years specified. A consistent history of awards against the Tenderer or any member of a JV may result in rejection of the tender.

## **SECTION IV - TENDERING FORMS**

- ❖ Form of Tender
- ❖ Tenderer Information Form
- ❖ Tenderer JV Members Information Form
- ❖ Price Schedule
- ❖ Form of Tender Security – Demand Guarantee
- ❖ Form of Tender Security (Tender Bond)
- ❖ Form of Tender-Securing Declaration
- ❖ Manufacturer's Authorization Form

## FORM OF TENDER

### INSTRUCTIONS TO TENDERERS

- i) *The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address.*
- ii) *All italicized text is to help Tenderer in preparing this form.*
- iii) *Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION OF THE TENDERER attached to this Form of Tender.*

#### Date of this Tender submission:

**Tender No :**

**Name and Identification:**

**Alternative No:**

**To:**

- a) **No reservations:** We have examined and have no reservations to the Tendering document, including Addenda issued in accordance with Instructions to tenderers (ITT 7);
- b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITT 3;
- c) **Tender/Proposal-Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing Declaration. Or Proposal-Securing Declaration in Kenya in accordance with ITT 3.6;
- d) **Conformity:** We offer to supply in conformity with the Tendering document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods:
- e) **Tender Price:** The total price of our Tender, excluding any discounts offered in item (f) below is:
- f) Option 1, in case of one lot: Total price is  
or  
Option 2, in case of multiple lots: (a) Total price of each lot [*insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies*]; and (b) Total price of all lots (sum of all lots) [*insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies*];
- g) **Discounts:** The discounts offered and the methodology for their application are:
  - i) The discounts offered are: [*Specify in detail each discount offered.*]
  - ii) The exact method of calculations to determine the net price after application of discounts are shown below: [*Specify in detail the method that shall be used to apply the discounts*];
- h) **Tender Validity Period:** Our Tender shall be valid for the period specified in TDS 17.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 21.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (h) **Performance Security:** If our Tender is accepted, we commit to obtain a performance security in accordance with the Tendering document;
- i) **One Tender per tenderer:** We are not submitting any other Tender(s) as an individual tenderer, and we are not participating in any other Tender(s) as a Joint Venture member, or as a subcontractor, and meet

the requirements of ITT 3.9, other than alternative Tenders submitted in accordance with ITT 12;

- j) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring Entity. Further, we are not ineligible under the Kenya laws or official regulations or pursuant to a decision of the United Nations Security Council;
- k) **State-owned enterprise or institution:** *[select the appropriate option and delete the other] [We are not a state-owned enterprise or institution] / [We are a state-owned enterprise or institution but meet the requirements of ITT 3.7];*
- l) **Commissions, gratuities, fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the Tendering process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate “none.”)

- m) **Binding Contract:** We understand that this Tender, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- n) **Procuring Entity Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Tender, the Best Evaluated Tender or any other Tender that you may receive; and
- o) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.
- p) **Code of Ethical Conduct:** We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal, copy available from \_\_\_\_\_ (*specify website*) during the procurement process and the execution of any resulting contract.
- q) **Collusive practices:** We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the “Certificate of Independent tender Determination” attached below.
- r) We, the Tenderer, have completed fully and signed the following Forms as part of our Tender:
  - a) Tenderer's Eligibility; Confidential Business Questionnaire – to establish we are not in any conflict to interest.
  - b) Certificate of Independent Tender Determination – to declare that we completed the tender without colluding with other tenderers.
  - c) Self-Declaration of the Tenderer – to declare that we will, if awarded a contract, not engage in any form of fraud and corruption.
  - d) Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal.

Further, we confirm that we have read and understood the full content and scope of fraud and corruption as informed in

“**Appendix 1- Fraud and Corruption**” attached to the Form of Tender.

**Name of the tenderer:** *\*[insert complete name of the tenderer]*

**Name of the person duly authorized to sign the Tender on behalf of the tenderer:** *\*\*[insert complete name of person duly authorized to sign the Tender]*

**Title of the person signing the Tender:**

**Signature of the person named above:**

**Date signed** *[insert date of signing]* **day of** *[insert month]*, *[insert year]*

## CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

I, the undersigned, in submitting the accompanying Letter of Tender to the \_\_\_\_\_ [Name of Procuring Entity] for: \_\_\_\_\_ [Name and number of tender] in response to the request for tenders made by: \_\_\_\_\_ [Name of Tenderer] do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of \_\_\_\_\_ [Name of Tenderer] that:

1. I have read and I understand the contents of this Certificate;
2. I understand that the Tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am the authorized representative of the Tenderer with authority to sign this Certificate, and to submit the Tender on behalf of the Tenderer;
4. For the purposes of this Certificate and the Tender, I understand that the word “competitor” shall include any individual or organization, other than the Tenderer, whether or not affiliated with the Tenderer, who:
  - a) has been requested to submit a Tender in response to this request for tenders;
  - b) could potentially submit a tender in response to this request for tenders, based on their qualifications, abilities or experience;
5. The Tenderer discloses that [check one of the following, as applicable]:
  - a) The Tenderer has arrived at the Tender independently from, and without consultation, communication, agreement or arrangement with, any competitor;
  - b) the Tenderer has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this request for tenders, and the Tenderer discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements;
6. In particular, without limiting the generality of paragraphs (5)(a) or (5)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - a) prices;
  - b) methods, factors or formulas used to calculate prices;
  - c) the intention or decision to submit, or not to submit, a tender; or
  - d) the submission of a tender which does not meet the specifications of the request for Tenders; except as specifically disclosed pursuant to paragraph (5)(b) above;
7. In addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the works or services to which this request for tenders relates, except as specifically authorized by the procuring authority or as specifically disclosed pursuant to paragraph (5)(b) above;
8. the terms of the Tender have not been, and will not be, knowingly disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening, or of the awarding of the Contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (5)(b) above.

Name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

*[Name, title and signature of authorized agent of Tenderer and Date]*

**SELF-DECLARATION FORMS**

**FORM SD1**

**SELF DECLARATION THAT THE PERSON/TENDERER IS NOT DEBARRED IN THE MATTER OF THE PUBLIC PROCUREMENT AND ASSET DISPOSAL ACT 2015.**

I,.....of Post Office Box.....being a resident of .....in the Republic of.....do hereby make a statement as follows:-

1. THAT I am the Company Secretary/ Chief Executive/Managing Director/Principal Officer/Director of .....(insert name of the Company) who is a Bidder in respect of **Tender No.** .....for.....(insert tender title/description) for.....(insert name of the Procuring entity) and duly authorized and competent to make this statement.
  
2. THAT the aforesaid Bidder, its Directors and subcontractors have not been cak
3. red from participating in procurement proceeding under Part IV of the Act.
  
4. THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

.....  
.....  
.....  
(Title) (Signature) (Date)

Bidder Official Stamp

**FORM SD2**

**SELF DECLARATION THAT THE PERSON/TENDERER WILL NOT ENGAGE IN ANY CORRUPT OR FRAUDULENT PRACTICE**

I,.....of P. O. Box.....being a resident of  
.....in the Republic of .....do hereby make a statement as follows:-

1. THAT I am the Chief Executive/Managing Director/Principal Officer/Director of.....  
..... (insert name of the Company) who is a Bidder in respect of **Tender No.**.....for.....(insert tender title/description)  
for.....(insert name of the Procuring entity) and duly authorized and competent to make this statement.
  
2. THAT the aforesaid Bidder, its servants and/or agents /subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board, Management, Staff and/or employees and/or agents of .....(insert name of the Procuring entity) which is the procuring entity.
  
3. THAT the aforesaid Bidder, its servants and/or agents /subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents of .....(name of the procuring entity).
  
4. THAT the aforesaid Bidder will not engage/has not engaged in any corrosive practice with other bidders participating in the subject tender.
  
5. THAT what is deponed to herein above is true to the best of my knowledge information and belief.

.....  
.....  
.....  
(Title)  
(Signature)  
(Date)

Bidder's Official Stamp

**DECLARATION AND COMMITMENT TO THE CODE OF ETHICS**

I.....(person) on behalf of (*Name of the Business/ Company/Firm*).....declare that I have read and fully understood the contents of the Public Procurement & Asset Disposal Act, 2015, Regulations and the Code of Ethics for persons participating in Public Procurement and Asset Disposal and my responsibilities under the Code.

I do hereby commit to abide by the provisions of the Code of Ethics for persons participating in Public Procurement and Asset Disposal.

Name of Authorized signatory.....

Sign.....

Position.....

Office address.....

Telephone.....

E-mail.....

Name of the Firm/Company.....

Date.....

**(Company Seal/ Rubber Stamp where applicable)**

Witness

Name

.....

Sign.....

Date.....

## APPENDIX 1- FRAUD AND CORRUPTION

*(Appendix 1 shall not be modified)*

### 1. Purpose

- 1.1 The Government of Kenya's Anti-Corruption and Economic Crime laws and their sanction's policies and procedures, Public Procurement and Asset Disposal Act (*no. 33 of 2015*) and its Regulation, and any other Kenya's Acts or Regulations related to Fraud and Corruption, and similar offences, shall apply with respect to Public Procurement Processes and Contracts that are governed by the laws of Kenya.

### 2. Requirements

- 2.1 The Government of Kenya requires that all parties including Procuring Entities, Tenderers, (applicants/proposers), Consultants, Contractors and Suppliers; any Sub-contractors, Sub-consultants, Service providers or Suppliers; any Agents (whether declared or not); and any of their Personnel, involved and engaged in procurement under Kenya's Laws and Regulation, observe the highest standard of ethics during the procurement process, selection and contract execution of all contracts, and refrain from Fraud and Corruption and fully comply with Kenya's laws and Regulations as per paragraphs 1.1 above.
- 2.2 Kenya's public procurement and asset disposal act (*no. 33 of 2015*) under Section 66 describes rules to be followed and actions to be taken in dealing with Corrupt, Coercive, Obstructive, Collusive or Fraudulent practices, and Conflicts of Interest in procurement including consequences for offences committed. A few of the provisions noted below highlight Kenya's policy of no tolerance for such practices and behavior:
- 1) a person to whom this Act applies shall not be involved in any corrupt, coercive, obstructive, collusive or fraudulent practice; or conflicts of interest in any procurement or asset disposal proceeding;
  - 2) A person referred to under subsection (1) who contravenes the provisions of that sub-section commits an offence;
  - 3) Without limiting the generality of the subsection (1) and (2), the person shall be—
    - a) disqualified from entering into a contract for a procurement or asset disposal proceeding; or
    - b) if a contract has already been entered into with the person, the contract shall be voidable;
  - 4) The voiding of a contract by the procuring entity under subsection (7) does not limit any legal remedy the procuring entity may have;
  - 5) An employee or agent of the procuring entity or a member of the Board or committee of the procuring entity who has a conflict of interest with respect to a procurement:-
    - a) shall not take part in the procurement proceedings;
    - b) shall not, after a procurement contract has been entered into, take part in any decision relating to the procurement or contract; and
    - c) shall not be a subcontractor for the bidder to whom was awarded contract, or a member of the group of bidders to whom the contract was awarded, but the subcontractor appointed shall meet all the requirements of this Act.
  - 6) An employee, agent or member described in subsection (1) who refrains from doing anything prohibited under that subsection, but for that subsection, would have been within his or her duties shall disclose the conflict of interest to the procuring entity;
  - 7) If a person contravenes subsection (1) with respect to a conflict of interest described in subsection (5)(a) and the contract is awarded to the person or his relative or to another person in whom one of them had a direct or indirect pecuniary interest, the contract shall be terminated and all costs incurred by the public entity shall be made good by the awarding officer. Etc.
- 2.3 In compliance with Kenya's laws, regulations and policies mentioned above, the Procuring Entity:
- a) Defines broadly, for the purposes of the above provisions, the terms set forth below as follows:
    - i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;

- ii) “fraudulent practice” is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;
  - iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
  - iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
  - v) “obstructive practice” is:
    - deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede investigation by Public Procurement Regulatory Authority (PPRA) or any other appropriate authority appointed by Government of Kenya into allegations of a corrupt, fraudulent, coercive, or collusive practice; and/or threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
    - acts intended to materially impede the exercise of the PPRA's or the appointed authority's inspection and audit rights provided for under paragraph 2.3 e. below.
- b) Defines more specifically, in accordance with the above procurement Act provisions set forth for fraudulent and collusive practices as follows:
- "fraudulent practice" includes a misrepresentation of fact in order to influence a procurement or disposal process or the exercise of a contract to the detriment of the procuring entity or the tenderer or the contractor, and includes collusive practices amongst tenderers 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.
- c) Rejects a proposal for award<sup>1</sup> of a contract if PPRA determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
  - d) Pursuant to the Kenya's above stated Acts and Regulations, may sanction or debar or recommend to appropriate authority (ies) for sanctioning and debarment of a firm or individual, as applicable under the Acts and Regulations;
  - e) Requires that a clause be included in Tender documents and Request for Proposal documents requiring (i) Tenderers (applicants/proposers), Consultants, Contractors, and Suppliers, and their Sub-contractors, Sub-consultants, Service providers, Suppliers, Agents personnel, permit the PPRA or any other appropriate authority appointed by Government of Kenya to inspect<sup>2</sup> all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the PPRA or any other appropriate authority appointed by Government of Kenya; and
  - f) Pursuant to Section 62 of the above Act, requires Applicants/Tenderers to submit along with their Applications/Tenders/Proposals a “Self-Declaration Form” as included in the procurement document declaring that they and all parties involved in the procurement process and contract execution have not engaged/will not engage in any corrupt or fraudulent practices.

<sup>1</sup>For the avoidance of doubt, a party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and tendering, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

<sup>2</sup> Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Investigating Authority or persons appointed by the Procuring Entity to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

## TENDERER INFORMATION FORM

*[The tenderer shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

Date:..... *[insert date (as day, month and year) of Tender submission]*

**Tender Name and Identification:**.....*[insert identification*

Alternative No.:..... *[insert identification No if this is a Tender for an alternative]* Page \_\_\_\_\_ of \_\_\_\_\_ pages

1.Tenderer'sName <i>[insert Tenderer's legal name]</i>
2.In case of JV, legal name of each member: <i>[insert legal name of each member in JV]</i>
3.Tenderer's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4.Tenderer's year of registration: <i>[insert Tenderer's year of registration]</i>
5.Tenderer's Address in country of registration: <i>[insert Tenderer's legal address in country of registration]</i>
6.Tenderer's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> For Kenyan Tenderers a current tax clearance certificate or tax exemption certificate issued by the the Kenya Revenue Authority in accordance with ITT 3.14. <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITT3.4. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT 3.1. <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITT4.6 documents establishing: (i) Legal and financial autonomy (ii) Operation under commercial law (iii) Establishing that the tenderer is not under the supervision of the Procuring Entity  2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

## TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

a) Instruction to Tenderer

Tender is instructed to complete the particulars required in this Form, *one form for each entity if Tender is a JV*. Tenderer is further reminded that it is an offence to give false information on this Form.

### A. Tenderer's details

	ITEM	DESCRIPTION
1	Name of the Procuring Entity	
2	Name of the Tenderer	
3	Full Address and Contact Details of the Tenderer.	1. Country 2. City 3. Location 4. Building 5. Floor 6. Postal Address 7. Name and email of contact person.
4	Reference Number of the Tender	
5	Date and Time of Tender Opening	
6	Current Trade License No and Expiring date	
7	Maximum value of business which the Tenderer handles.	
8		

### General and Specific Details

b) Sole Proprietor, provide the following details.

Name in full \_\_\_\_\_ Age \_\_\_\_\_

Nationality \_\_\_\_\_ Country of Origin \_\_\_\_\_

Citizenship \_\_\_\_\_

c) Partnership, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

(d) Registered Company, provide the following details.

i) Private or public Company \_\_\_\_\_

ii) State the nominal and issued capital of the Company:- Nominal Kenya Shillings

(Equivalent)..... Issued Kenya Shillings

(Equivalent).....

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

e) DISCLOSURE OF INTEREST- Interest of the Firm in the Procuring Entity.

i) Are there any person/persons in.....(*Name of Procuring Entity*) who has an interest or relationship in this firm?

Yes/No..... If yes, provide details as follows.

	Names of Person	Designation in the Procuring Entity	Interest or Relationship with Tenderer
1			
2			
3			

**ii) Conflict of interest disclosure**

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Tender has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the tender of another tenderer, or influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Tender Document.		
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who would be involved in the implementation or supervision of the such Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.		

**f) Certification**

On behalf of the Tenderer, I certify that the information given above is correct.

Full Name \_\_\_\_\_

Title or Designation \_\_\_\_\_

(Signature)

Date) \_\_\_\_\_

(

## COMMITMENT TO PROVIDE BENEFICIAL OWNERSHIP INFORMATION

I, ..... of P. O. Box .....  
being a resident of ..... in the Republic of ..... do hereby make  
a state as follows: -

1. THAT I am the Chief Executive Officer/Managing Director/Principal Officer/Director/  
Authorized Officer of..... (*Insert name of the  
Company*) who is a Bidder in respect of **Tender No.....** for .....  
(*Insert tender title/description*) advertised by ..... (*Insert name of the Procuring entity*)  
( the **Procuring Entity**) and duly authorized and competent to make this statement.

2. THAT I do hereby commit to provide Beneficial Ownership Information in conformity with the  
Beneficial Ownership Disclosure Form to the procuring entity upon receipt of notification of award  
in the event we are the successful tenderer in this subject procurement proceeding. I fully  
understand that failure to furnish the procuring entity with the Beneficial Ownership Information  
within the period provided for in the letter of award shall invalidate my award and may considered  
as refusal to enter into a written contract which is punishable under Section 41(1) (e ) of the Public  
Procurement and Asset Disposal Act, 2015.

Name of the Firm/Company.....

Registered Physical Address of the Company.....

Posta Address.....

Telephone No..... Mobile Number .....

Email Address .....

Name of Authorised Signatory.....

Designation .....

Signatory.....

Date.....

Witnessed by .....

Signature of Witness.....

Date.....

**INSTRUCTIONS TO TENDERERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE FORM**

*This Beneficial Ownership Disclosure Form ("Form") is to be completed by the successful tenderer pursuant to Regulation 4 of the Companies (Beneficial Ownership Information) (Amendment) Regulations, 2022. In case of joint venture, the tenderer must submit a separate Form for each member. The beneficial ownership information to be submitted in this Form shall be current as of the date of its submission.*

*For the purposes of this Form, a Beneficial Owner of a Tenderer is any natural person who ultimately owns or controls the legal person (tenderer) or arrangements or a natural person on whose behalf a transaction is conducted, and includes those persons who exercise ultimate effective control over a legal person (Tenderer)*

**BENEFICIAL OWNERSHIP DISCLOSURE FORM**

Tender Reference No.: \_\_\_\_\_ [insert identification no]

Name of the Tender Title/Description: \_\_\_\_\_ [insert name of the assignment] to: \_\_\_\_\_ [insert complete name of Procuring Entity]

In response to the requirement in your notification of award dated \_\_\_\_\_ [insert date of notification of award] to furnish additional information on beneficial ownership: \_\_\_\_\_ [select one option as applicable and delete the options that are not applicable]

I) We here by provide the following beneficial ownership information.

**Details of beneficial ownership**

	Details of all Beneficial Owners		% of shares a person holds in the company Directly or indirectly	% of voting rights a person holds in the company	Directly or indirectly having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer (Yes / No)	directly or indirectly exercises significant influence or control over the tenderer /company (Yes / No)
<b>1.</b>	Full Name		Directly----- --- % of shares	Directly.....% of voting rights		
	National identity card number or Passport number					
	Personal Identification Number (where applicable)		Indirectly----- ---- % of shares	Indirectly-----% of voting rights		
	Nationality					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					

	Details of all Beneficial Owners		% of shares a person holds in the company Directly or indirectly	% of voting rights a person holds in the company	Directly or indirectly having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer (Yes / No)	directly or indirectly exercises significant influence or control over the tenderer /company (Yes / No)
	Occupation or profession					
2.	Full Name		Directly----- --- % of shares	Directly.....% of voting rights		
	National identity card number or Passport number					
	Personal Identification Number (where applicable)		Indirectly----- ---- % of shares	Indirectly-----% of voting rights		
	Nationality					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					

Am fully aware that beneficial ownership information above shall be reported to the Public Procurement Regulatory Authority together with other details in relation to contract awards and shall be maintained in the Government Portal, published and made publicly available pursuant to Regulation 5 of the Companies (Beneficial Ownership Information) (Amendment) Regulations, 2022

II) What is stated to herein above is true to the best of my knowledge, information and belief.

Name of the Tenderer: .....\*[insert complete name of the Tenderer]\_\_\_\_\_

Name of the person duly authorized to sign the Tender on behalf of the Tenderer: \*\* [insert complete name of person duly authorized to sign the Tender]

Designation of the person signing the Tender: ..... [insert complete title of the person signing the Tender]

Signature of the person named above: ..... [insert signature of person whose name and capacity are shown above]

Date this ..... [insert date of signing] day of..... [Insert month], [insert year]

Bidder Official Stamp/ Company Seal.

**TENDERER'S JV MEMBERS INFORMATION FORM**

*[The tenderer shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the tenderer and for each member of a Joint Venture]].*

Date:.....*[insert date (as day, month and year) of Tender submission].*

**Tender Name and Identification:**.....*[insert identification Alternative No.:.....[insert identification No if this is a Tender for an alternative].*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Tenderer's Name: <i>[insert Tenderer's legal name]</i>
2. Tenderer's JV Member's name: <i>[insert JV's Member legal name]</i>
3. Tenderer's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4. Tenderer's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5. Tenderer's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6. Tenderer's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member authorized representative]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of the legal entity named above, in accordance with ITT 4.4. registration  <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Procuring Entity, in accordance with ITT4.6.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

## TECHNICAL SPECIFICATIONS PARTICULARS

<b>WORKSHOP EQUIPMENT</b>		
<b>NO.</b>	<b>SPECIFICATION NO.</b>	<b>DESCRIPTION.</b>
1.	<b>MTD-1215-272-20</b>	Water pump. diesel engine driven
2.	<b>MTD-1216-272-20</b>	Water pump, petrol engine driven
3.	<b>MTD-1613-104-20</b>	Vibratory rammer, 2-3kw
4.	<b>MTD-1683-032-20</b>	Mobile drier, 5t
5.	<b>MTD-1684-032-20</b>	Mobile drier, 7t
6.	<b>MTD-1685-032-20</b>	Mobile drier, 10t
7.	<b>MTD-2085-285-16</b>	Power blower, back pack type
8.	<b>MTD-2114-162-20</b>	Air compressor, 100metre cubed per min
9.	<b>MTD-2115-162-20</b>	Air compressor, 200metre cubed per min

<b>WORKSHOP EQUIPMENT</b>		
<b>NO.</b>	<b>SPECIFICATION NO.</b>	<b>DESCRIPTION.</b>
10.	<b>MTD-2118-383-20</b>	mobile tower-crane 2.5t
11.	<b>MTD-2118-383-20</b>	Medium size dredging and loading boat
12.	<b>MTD-2599-012-20</b>	Two-stage refuse collection tipper truck, , 4x2, 1.5-2.5 ton capacity
13.	<b>MTD-2122-012-20</b>	Mini - dumper truck, , 400kg capacity
14.	<b>MTD-2123-044-20</b>	Cargo and vehicle screening van
15.	<b>MTD-2126-014-20</b>	Refuse compactor truck, 3-6m cubed
16.	<b>MTD-1981-391-20</b>	CNC lathe machine
17.	<b>MTD-2120 -162 -20</b>	DTH Hammer 8 inch
18.	<b>MTD-1976-391-20</b>	Electronic wheel alignment machine
19.	<b>MTD-2119 -162 -20</b>	Hammer 6 Inch
20.	<b>MTD-2121 -162 -20</b>	Hammer 10 Inch
21.	<b>MTD-1996-398-20</b>	Lathe machine
22.	<b>MTD-2136-398-20</b>	High pressure lifting bag set 20,30t capacity
23.	<b>MTD- 2125-341-20</b>	Sludge suction truck, 6000-8000 lts
24.	<b>MTD-1869-014-20</b>	Street light maintenance truck, 3-5 ton
25.	<b>MTD-1870-014-20</b>	Street light maintenance truck, 10 ton

26.	<b>MTD-2554-014-20</b>	Street light maintenance , light truck, 1-1.5ton
27.	<b>MTD-2581-014-20</b>	3-5 ton, car carrier truck , light duty
28.	<b>MTD-1121-421-20</b>	Mobile hydraulic twin block making machine
29.	<b>MTD-1190-351-20</b>	Portable concrete mixer
30.	<b>MTD-1224-398-20</b>	Mechanic tool kit
31.	<b>MTD-1225-398-20</b>	Auto-Electric tool box
32.	<b>MTD-1226-398-20</b>	Heavy duty plant mechanic toolkit
33.	<b>MTD-1256-351-20</b>	Towed concrete mixer, self loading (2)
34.	<b>MTD-1422-082-20</b>	Grader attachments, 7ft
35.	<b>MTD-1423-082-18</b>	Grader attachments , 6ft
36.	<b>MTD-1506-110-20</b>	Pulvi-mixer
37.	<b>MTD-1514-398-20</b>	Steam cleaner(car washing machine)
38.	<b>MTD-1515-398-20</b>	Heavy duty pressurised car washer equipment
39.	<b>MTD-1592-104-20</b>	Reversible Plate compactor, medium duty
40.	<b>MTD-1609-104-20</b>	Light tandem Roller, 2.5-3t
41.	<b>MTD-1639-104-20</b>	Poker vibrator
42.	<b>MTD-1640-104-18</b>	Plate compactor

#### **WORKSHOP EQUIPMENT**

<b>NO.</b>	<b>SPECIFICATION NO.</b>	<b>DESCRIPTION.</b>
43.	<b>MTD-1756-014-20</b>	Refuse collection compactor truck, 12m cubed
44.	<b>MTD-1973-012-20</b>	Refuse collection tipper truck, side loading type , with crew cab, 4x2, 9t
45.	<b>MTD-2038-283-20</b>	Mobile workshop truck , 4x2
46.	<b>MTD-2112-012-20</b>	Workshop trolley jack,12ton
47.	<b>MTD-2113-012-20</b>	Portable angle grinder
48.	<b>MTD-2116-082-20</b>	Dozer cutting edge
49.	<b>MTD-2120-351-20</b>	Road sweeper, tractor towed
50.	<b>MTD- 2519-398-20</b>	Skip loader bin, 8-10mcubed, 4-5t capacity
51.	<b>MTD-2529-283-20</b>	Mobile service truck, 3-5t, light truck,4x2
52.	<b>MTD-2543-041-20</b>	Wheeler garbage tipper
53.	<b>MTD-2544-203-20</b>	Refuse compactor , trailer mounted
54.	<b>MTD-1992-391-20</b>	MIG-TIG welding machine
55.	<b>MTD- 2545-341-20</b>	Truck mounted jetting equipment, 3500 lts

56.	<b>MTD- 2546-341-20</b>	Truck mounted jetting and suction machines, 4000 lts
57.	<b>MTD- 2552-341-20</b>	Light duty, truck mounted, high pressure jetting equipment, 500 lts
58.	<b>MTD- 2553-341-20</b>	Light duty, truck mounted, desilting equipment
59.	<b>MTD- 2555-341-20</b>	Truck mounted gully emptier(suction machine) 3500 lts
60.	<b>MTD- 2237-398-20</b>	Truck skip loader complete
61.	<b>MTD-1991-391-20</b>	Spot welding machine
62.	<b>MTD-1903-391-20</b>	Wheel balancing machine
63.	<b>MTD-2405-014-23</b>	Medical Waste Vehicle, Light Duty, 2-3ton
64.	<b>MTD-2816-163-23</b>	Bulk Powder Cement Carrier, 10,000 Litres, 6x4, Truck

<b>WORKSHOP ACCESSORIES</b>	
<b>NO.</b>	<b>ITEM DESCRIPTION</b>
1.	Track assembly
2.	Link assembly
3.	Idler assembly
4.	Sprocket assembly
5.	Top roller
6.	Bottom roller
7.	Diff assembly
8.	Transmission assembly
9.	Top half engine assembly
10.	Bottom half engine assembly
11.	Starter assembly 24v
12.	Alternator assembly 24v
13.	Diff assembly
14.	Transmission assembly
15.	Top half engine assembly
16.	Bottom half engine assembly
17.	Starter assembly
18.	Alternator assembly

19.	Hammer bits size 10''
20.	Hammer bits size 8''
21.	Hammer bits size 6''
22.	Drill bits& barrel size10''
23.	Drill bits & barrel size 8''
24.	Gravel pack
25.	Steel casing size 10''
26.	Steel casing size 8''
27.	Cutting Disc size 7''
28.	Drilling Foam
29.	Electrical dippers 300m
30.	Agri business training kit-green house kits
31.	Solar road stud (charging at day and lighting at night automatically Nylon type complete with fixing at site.

## TECHNICAL EVALUATION CRITERIA

1. In this stage, specifications of workshop equipment and accessories offered by the bidders will be examined and compared with the requirement's specifications provided.
2. Full compliance will be required in this stage and bidder will proceed to the next stage of evaluation.
3. Minor technical deviations may be accommodated.
4. Major technical deviations however, will lead to disqualification and tenderer will not proceed to financial evaluation.
5. Bidders will be required to use the forms below to make their response. The response should be comprehensive and manufacturer's brochures highlighted as appropriate.

**A) WORKSHOP EQUIPMENT**

**1. WATER PUMP, 75MM , DIESEL ENGINE DRIVEN**

MOT&I/MTD/QMS/318

<b>SPECIFICATION NO. MTD-1215-272-20</b>		
<b>DESCRIPTION: WATER PUMP , 75MM , DIESEL ENGINE DRIVEN.</b>		
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
MAKE	-		
MODEL	-	-	
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AOUTHORITY AND SPECIFICATIONS SUPPLIED	Yes mandatory	------(Y/N)	

**1. GENERAL**

a)	A Standard production, water pump, of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
----	---	---------------	-------------	--

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>	
b)	Supplied new.	Yes	------(Y/N)	
c)	Suitable for use on road construction sites, to pump water from streams, rivers and dams into water tankers.	Yes	------(Y/N)	

Capable of operating in tropical conditions and dusty conditions. d)	Yes,	.....Yes/No	
--	------	-------------	--

**2. DIMENSIONS.**

a) Overall length, approx.	1500 mm	----- mm	
b) Overall width, approx.	800 mm	----- mm	
c) Overall height, approx.	800 mm	----- mm	
d) Machine weight, approx.	250 Kg	-----Kg	

**3. ENGINE**

a) Make	-	_____	
b) Model	-	_____	
c) Country of origin	-		
d) Engine performance curves supplied.	Yes	_____(Y/N)	
e) Engine type Diesel, 4 Stroke.	Yes, Yes	_____(Y/N)	
f) Engine cooling system, water.	Yes	_____(Y/N)	
g) Number of cylinders.	Specify	_____ No.	
h) Maximum power output / rpm, approx.	8HP/2500rpm	_____HP/rpm	
i) Air filter, disposable/oil bath	Specify	_____	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
j) Oil and fuel filter type.	Disposable	_____	

k)	Fuel consumption (on full load)	Specify	_____ Km/l	
l)	Fuel tank capacity, approx.	20 Lt	_____ Lt	

#### 4. PUMP

a)	Make	-	_____	
b)	Model	-	_____	
c)	Country of origin	-		
d)	Connections	75mm		
e)	Single stage centrifugal			
f)	Delivery rate min	1,000l/min		
g)	Suction lift min	20m		
h)	Total delivery head min	40m		
i)	Self priming	Yes	----- (Y/N	
j)	Pump performance curves supplied.	Yes	----- (Y/N	
k)	Check valve incorporated.	Yes	----- (Y/N	
l)	Pump directly coupled to engine	Yes	----- (Y/N	

#### 5. FRAME

a)	Trolley mounted	Yes	----- (Y/N)	
b)	Trolley frame – heavy duty fabricated steel	Yes	----- (Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Trolley to run on pneumatic or solid rubber tyres	Yes,specify	----- (Y/N)	
d) Tyre number and size	Yes specify	----- (Y/N) .....	
e) Trolley fitted with suitable adjustable stand	Yes	----- (Y/N)	

## 6. ACCESSORIES

a) Sunction hose, length x diameter.	20,000x 75mm.	-----x---mm	
b) Sunction hose to be fitted with screen.	Yes	----- (Y/N)	
c) Delivery hose, length x diameter.	40,000x 75mm.	-----x---mm	
d) Any other accessories	specify		
<b>7 MANUALS</b>			
a) All literature in English language.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b) Operation manual supplied.	Yes <b>(MANDATORY)</b>	_____(Y/N)	

c)	Repair manuals/CD supplied.	Specify which available 1 per pump <b>Mandatory</b>	----- ------(Y/N)	
d)	Parts catalogue/CD supplied.	Specify which available	----- ------(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
		1 per pump <b>Mandatory</b>		

### 8. WARRANTY

a)	Each pump supplied should carry a statement of warranty.	Yes <b>(MANDATORY)</b>	----- (Y/N)	
b)	Pump warranty, min. 6 months	Specify	----- months	

### 9. OTHER REQUIREMENT

a)	Pump will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b)	Franchise holder (representative in Kenya).  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	_____(Y/N)  -----	
c)	Availability of spare parts.	Indicate where spares could be sourced.	----- ----- ----- -----	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- -----	

Tenderer' s signature

Official stamp

Date:

**2. WATER PUMP 75MM, PETROL ENGINE DRIVEN**  
**MOT&I/MTD/QMS/317**

<b>SPECIFICATION NO. MTD-1216-272-20</b>		
<b>DESCRIPTION: WATER PUMP 75MM, PETROL ENGINE DRIVEN.</b>		
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
MAKE	-		
MODEL	-	-	
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes mandatory	------(Y/N)	

**1. GENERAL**

a)	A Standard production, water pump, of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new.	Yes	------(Y/N)	
c)	Suitable for use on road construction sites, to pump water from streams, rivers and dams into water tankers.	Yes	------(Y/N)	

d) Capable of operating in tropical conditions and dusty conditions.	Yes,	.....Yes/No	
--	------	-------------	--

## 2. DIMENSIONS.

a) Overall length, approx.	1300 mm	----- mm	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b) Overall width, approx.	700 mm	----- mm	
c) Overall height, approx.	700 mm	----- mm	
d) Machine weight, approx.	150 Kg	-----Kg	

## 3. ENGINE

a) Make	-	_____	
b) Model	-	_____	
c) Country of origin	-		
d) Engine performance curves supplied.	Yes	_____(Y/N)	
e) Engine type petrol, 4 Stroke.	Yes, Yes	_____(Y/N)	
f) Engine cooling system, water.	Yes	_____(Y/N)	
g) Number of cylinders.	Specify	_____ No.	
h) Maximum power output / rpm, approx.	8HP/2500rpm	_____HP/rpm	
i) Air filter, disposable/oil bath	Specify	_____	
j) Oil and fuel filter type.	Disposable	_____	
k) Fuel consumption (on full load)	Specify	_____ Km/l	

l) Fuel tank capacity, approx.	20 Lt	_____ Lt	
--------------------------------	-------	----------	--

#### 4. PUMP

a) Make	-	_____	
b) Model	-	_____	
c) Country of origin	-		
d) Connections	75mm		
Single stage centrifugal			

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e)			
Delivery rate min	1,000l/min		
f)			
Suction lift min	20m		
g)			
Total delivery head min	40m		
h)			
Self priming	Yes	----- (Y/N	
i)			
Pump performance curves supplied.	Yes	----- (Y/N	
j)			
Check valve incorporated.	Yes	----- (Y/N	
k)			
Pump directly coupled to engine	Yes	----- (Y/N	
l)			

#### 5. FRAME

a) Trolley mounted	Yes	----- (Y/N)	
b) Trolley frame – heavy duty fabricated steel	Yes	----- (Y/N)	

c)	Trolley to run on pneumatic or solid rubber tyres	Yes,specify	----- (Y/N)	
d)	Tyre number and size	Yes specify	----- (Y/N) .....	
e)	Trolley fitted with suitable adjustable stand	Yes	----- (Y/N)	

**6.**

**ACCESSORIES**

a)	Sunction hose, length x diameter.	20,000x 75mm.	-----x---mm	
b)				

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Sunction hose to be fitted with screen.	Yes	----- (Y/N)	
c)	Outlet hose, length x diameter.	40,000x 75mm.	-----x---mm	
d)	Any other accessories	specify		
<b>7</b>	<b>MANUALS</b>			
a)	All literature in English language.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b)	Operation manual supplied.	Yes	_____(Y/N)	
c)	Repair manuals/CD supplied.	Specify which available 1 per pump <b>Mandatory</b>	----- ----- (Y/N)	
d)	Parts catalogue/CD supplied.	Specify which available 1 per pump <b>Mandatory</b>	----- ----- (Y/N)	

**8. WARRANTY**

a) Each pump supplied should carry a statement of warranty.	Yes <b>(MANDATORY)</b>	----- (Y/N)	
b) Pump warranty, min. 6 months	Specify	----- months	

**9. OTHER REQUIREMENT**

a) Pump will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b) Franchise holder (representative in Kenya).  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	_____(Y/N)  -----	
c) Availability of spares.			
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Indicate where spares could be sourced.	----- ----- ----- -----	
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- -----	

Tenderer's signature	Official stamp
Date:	

**3. VIBRATORY RAMMER, 2-3 KW**

<b>SPECIFICATION NO. MTD-1613-104-20</b>		
<b>DESCRIPTION: VIBRATORY RAMMER, 2-3 KW</b>		
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>SPECIFICATIONS</b>
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature , authorisation letter and specifications supplied	Yes(Mandatory)	---(Y/N)	

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>SPECIFICATIONS</b>
----------------------	--------------------	-------------------	-----------------------

**1. GENERAL**

a)	A Standard production, hand held, vibratory rammer of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	

d)	Suitable for compacting soils, gravel, silt, sand, clay base, sub-base, concrete, pipeline, trench, sewer line construction, backfills, foundations and repair work on asphalt etc.	Yes	------(Y/N)	
e)	Any item not included in this specification but necessary for the efficient / enhanced operation of the equipment to be supplied.	Yes	------(Y/N)	

## 2. DIMENSIONS.

a)	Overall length, approx.	700 mm	----- mm	
b)	Overall breadth, approx.	350 mm	----- mm	
c)	Overall height , approx.	1000 mm	----- mm	
d)	Operating weight, approx.	60-80kg	----- kg	
e)	Plate size, approx.	300mmwidthx 300mmlength	-----x----- mm	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>SPECIFICATIONS</b>
f)	Working width (tamper plate) approx.	300mm	----- mm	
g)	Tamper foot	230-280mm	-----	

## 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Petrol/diesel Engine.	Yes	------(Y/N)	
e)	Water/Air cooled.	specify		
f)	Number of cylinders,	specify	----- No.	
g)	Rated power output (KW/rpm) .	2-3KW/3600rpm	----- KW/rpm	
h)	Starting Mechanism.	Recoil		
i)	Air cleaner type replaceable or oil bath.	specify		
j)	Oil and fuel filter type	disposable		
k)	Fuel tank capacity approx.	2.5l	----- Lt	
l)	Engine performance curves supplied.	Yes	------(Y/N)	

**4. VIBRATORY SYSTEM AND PERFORMANCE.**

a)	Drive System	Specify type	-----	
b)	Stroke height, approx	40-80mm	----- mm	
c)	Vibration frequency, approx.	8-12Hz	----- Hz	
d)	No. of impacts per min.	450-650		

SPECIFICATION	REQUIREMENT	TENDERER'S	SPECIFICATIONS
e)	Impact force.	13KN/Blow	-----

f)	Coverage, m <sup>2</sup> /hr approx.	300	----- m <sup>2</sup> /hr	
g)	Working speed, (m/min), approx.	10-20 m/min	----- m/min	
h)	Anti vibration rubber mountings.	Yes	----- (Y/N)	
I)	Tamper foot with wear plate	Yes	----- (Y/N)	
j)	With a vibratory rammer	Yes (Mandatory)	----- (Y/N)	
k)	Fuel consumption approx.	0.6l/hr	----- l/hr	
l)	Lubricating oil(tamper cylinder) capacity approx.	1lit.	-----	
m)	Compaction data table provided	Yes	----- (Y/N)	
n)	With re-enforced centrifugal clutch	Yes	----- (Y/N)	
o)	Amplitude, aprox	2.5mm	----- mm	
p)	Protective engine covering	Yes	----- (Y/N)	
q)	Infinitely variable frequency	Yes	----- (Y/N)	
r)	Vibration insulated steering bow	Yes	----- (Y/N)	

## 5. WARRANTY

a)	Rammer supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	----- (Y/N)	
b)	Warranty duration.	12 months	----- months	

SPECIFICATION	REQUIREMENT	TENDERER'S	SPECIFICATIONS
	or 1000Hrs Whichever comes first	----- Hrs	

#### 6. MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	----- (Y/N)	
b)	Repair Manual / CD supplied.	One per m/c (Mandatory)	_____ (Y/N)	
c)	Parts catalogue / CD, supplied.	1 set per machine (Mandatory)	_____ (Y/N)	
d)	Operators hand book supplied.	One per m/c (Mandatory)	_____ (Y/N)	
e)	Repair tool kit supplied.	One per m/c (Mandatory)	_____ (Y/N)	
f)	Any other accessories	specify		

#### 7. OTHER REQUIREMENT

a)	Machine will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____ (Y/N)	
b)	Franchise holder (representative in Kenya).  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	_____ (Y/N)  -----	
c)	Availability of spares.	Indicate where spares could be sourced.	----- -----	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- -----	

Tenderer's signature

Official stamp

Date:

**4. MOBILE DRIER, 5 TONS MOT&I/MTD/QMS/1187**

<b>SPECIFICATION NO. MTD-1683-032-20</b>		
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____	
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____	<b>QTY:</b> _____
<b>DESCRIPTION: <u>MOBILE DRIER, 5 TONS</u></b>		

TENDERER'S SPECIFICATION Column to be completed by ALL

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, letter of authorisation drawings and specifications supplied along with the specifications.	Yes <b>(MANDATORY)</b>	(Y/N)	

**1. GENERAL**

a)	A Standard production mobile grain drier, 5tons capacity, of latest design, in current production.	Yes, Yes, Yes	_____(Y/N)	
b)	Supplied new	Yes, Yes	_____(Y/N)	
c)	Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	
d)	Suitable for grain drying.	Yes	_____(Y/N)	

e)	Towable by medium size vehicle, truck or tractor.	Yes	_____(Y/N)	
----	---	-----	------------	--

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
f)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be included in the tender.	Yes	.....(Y/N)	

2. **DIMENSIONS , PERFORMANCE AND WEIGHTS.**

a)	Overall length, approx.	4,000 mm	----- mm	
b)	Diameter of bin approx.	2,400 mm	----- mm	
c)	Loading auger size approx.	2,000 mm	----- mm	
d)	Vertical circulating auger diameter approx.	3,000 mm	----- mm	
e)	PTO shaft speed approx.	400RPM	-----RPM	
f)	Grain wall thickness approx.	450 mm	----- mm	
g)	Transport height approx.	4,000 mm	----- mm	
h)	Weight approx.	1,300kg	----kg	
i)	Loading (hopper) rate	50tons/hr	----tons/hr	
j)	Unloading rate	50tons/hr	----tons/hr	
k)	Recirculating time approx.	5minutes	----min.	

l)	Fitted with a suitable burner, size 600KW	Yes specify	_____(Y/N)  -----	
m)	Fitted with a suitable belt drive fan, size	Yes	_____(Y/N)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
	600mm axial	specify	-----	
n)	Fan rating and outlet approx.	10800CFM@ 1.5"		
o)	Static pressure approx.	300m @370Pa		
p)	Electric motor required, 20HP/1700rpm	Yes specify	_____(Y/N)  -----	
q)	Drying capacity, 3.5tons/hr (20.5-15.5%)	Yes	_____(Y/N)	
r)	Grain capacity approx.	5tons	----tons	
<b>3. CONSTRUCTION &amp; ACCESSORIES</b>				
a)	Fitted on a heavy duty draw bar/ frame of welded steel construction, steel panels, ladder, 4No.jack stands.	Yes Specify	-----(Y/N)  -----	

b)	With stainless Steel ring burners of suitable construction	Yes Specify	-----(Y/N)  -----	
c)	Fuel type.	Specify		

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Fitted with suitable auger and loading hopper.	Yes Specify type		
e)	Round bin and perforated inner chamber made of special/ heat resistant material.	Specify material		
f)	System complete and fitted with dryer control panel having the necessary pressure, safety controls, clutch for engaging and disengaging, temperature switch, tanks, piping etc.	Yes Specify	-----(Y/N)  -----	
g)	Fitted with positive agitator arm and built in vaporizer.	Yes Specify	-----(Y/N)  -----	
h)	Fitted with working lights.	Yes	_____(Y/N)	

i)	Tyres , 2 No.	Specify type, size, No. of each		
j)	To have a suitable access door with hinges/locks.	Yes	_____(Y/N)	
k)	Suitable towing hitch/eye/hook fitted	Yes	_____(Y/N)	

#### 4. ACCESSORIES ETC

a)	Manufacturers complete tools kit supplied	Yes	_____(Y/N)	
----	---	-----	------------	--

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b)	Comprehensive list of standard and specialized tools to be supplied with the equipment.	Specify	_____	
c)	Any other equipment that manufacturer deems necessary for optimum efficiency of the equipment.	Specify	_____	

#### 5. WARRANTY

a)	Specimen of warranty to be submitted when tendering	Yes, <b>Mandatory</b>	_____(Y/N)	
b)	Each equipment to carry manufacturers statement of warranty	Yes	_____(Y/N)	
c)	Equipment warranty, min.	Specify	Years	
d)	Warranty against corrosion, min	Specify	Years	

#### 6. OTHER REQUIREMENT

a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes, <b>Mandatory</b>	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	----- ----- ----- -----	

7 **MANUALS**

a)	All literature in English Language	Yes	_____(Y/N)	
b)	Repair manual supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	
<b>SPECIFICATION</b>			<b>REQUIREMENT</b>	<b>TENDERER'S</b>
c)	Parts catalogue supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	<b>COMPLIANCE</b>
d)	Operators handbook and service schedule Supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	

Tenderer's Signature

Company rubber stamp

Date:

**5. MOBILE DRIER, 7 TONS MOT&I/MTD/QMS/1188**

**SPECIFICATION NO. MTD-1684-032-20**

<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____ <b>ITEM NO:</b> _____ <b>QTY:</b> _____	
<b>DESCRIPTION: MOBILE DRIER, 7 TONS</b>	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, letter of authorisation drawings and specifications supplied along with the specifications.	Yes <b>(MANDATORY)</b>	(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**1. GENERAL**

a) A Standard production mobile grain drier, 7tons capacity, of latest design, in current production.	Yes, Yes, Yes	_____(Y/N)	
b) Supplied new	Yes, Yes	_____(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	
d) Suitable for grain drying.	Yes	_____(Y/N)	
e) Towable by medium size vehicle, truck or tractor.	Yes	_____(Y/N)	

f)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be included in the tender.	Yes	.....(Y/N)	
----	---	-----	------------	--

**2. DIMENSIONS , PERFORMANCE AND WEIGHTS.**

a)	Overall length, approx.	4,000 mm	----- mm	
b)	Diameter of bin approx.	2,400 mm	----- mm	
c)	Loading auger size approx.	2,000 mm	----- mm	
d)	Vertical circulating auger diameter approx.	3,000 mm	----- mm	
e)	PTO shaft speed approx.	500RPM	-----RPM	
f)	Grain wall thickness approx.	450 mm	----- mm	
g)	Transport height approx.	4,000 mm	----- mm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
h)	Weight approx.	1,500kg	----kg	
i)	Loading (hopper) rate	50tons/hr	----tons/hr	
j)	Unloading rate	50tons/hr	----tons/hr	
k)	Recirculating time approx.	10minutes	----min.	

l)	Fitted with a suitable burner, size 600KW	Yes specify	_____(Y/N) -----	
m)	Fitted with a suitable belt drive fan, size 600mm axial	Yes specify	_____(Y/N) -----	
n)	Fan rating and outlet approx.	12000CFM@ 1.5"		
o)	Static pressure approx.	300m @370Pa		
p)	Electric motor required, 20HP/1700rpm	Yes specify	_____(Y/N) -----	
q)	Drying capacity, 6tons/hr (20.5-15.5%)	Yes	_____(Y/N)	
r)	Grain capacity approx.	7-9tons	----tons	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
<b>3.</b>	<b>CONSTRUCTION &amp; ACCESSORIES</b>			
a)	Fitted on a heavy duty draw bar/ frame of welded steel construction, steel panels, ladder, 4No.jack stands.	Yes Specify	-----(Y/N) -----	

b)	With stainless Steel ring burners of suitable construction	Yes Specify	-----(Y/N) -----	
c)	Fuel type.	Specify		
d)	Fitted with suitable auger and loading hopper.	Yes Specify type		
e)	Round bin and perforated inner chamber made of special/ heat resistant material.	Specify material		
f)	System complete and fitted with dryer control panel having the necessary pressure, safety controls, clutch for engaging and disengaging, temperature switch, tanks, piping etc.	Yes Specify	-----(Y/N) -----	
g)	Fitted with positive agitator arm and built in vaporizer.	Yes Specify	-----(Y/N) -----	
h)	Fitted with working lights.	Yes	_____(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
i)	Tyres ,2 No.	Specify type,size,No. of each		

j)	To have a suitable access door with hinges/locks.	Yes	_____(Y/N)	
k)	Suitable towing hitch/eye/hook fitted	Yes	_____(Y/N)	

#### 4. ACCESSORIES ETC

a)	Manufacturers complete tools kit supplied	Yes	_____(Y/N)	
b)	Comprehensive list of standard and specialized tools to be supplied with the equipment.	Specify	_____	
c)	Any other equipment that manufacturer deems necessary for optimum efficiency of the equipment.	Specify	_____	

#### 5. WARRANTY

a)	Specimen of warranty to be submitted when tendering	Yes, <b>Mandatory</b>	_____(Y/N)	
b)	Each equipment to carry manufacturers statement of warranty	Yes	_____(Y/N)	
c)	Equipment warranty, min.	Specify	Years	
d)	Warranty against corrosion, min	Specify	Years	

#### 6. OTHER REQUIREMENT

a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes, <b>Mandatory</b>	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

b)	Firm=s Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	----- ----- ----- ----- ----- ----- -----	

7

**MANUALS**

a)	All literature in the English Language	Yes	_____(Y/N)	
b)	Repair manual supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	
c)	Parts catalogue supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	
d)	Operators handbook and service schedule Supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	

Tenderer's Signature

Company rubber stamp

Date:

**6. MOBILE DRIER, 10 TONS MOT&I/MTD/QMS/1186**

<b>SPECIFICATION NO. MTD-1685-032-20</b>		
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____	
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____	<b>QTY:</b> __

**DESCRIPTION: MOBILE DRIER, 10 TONS**

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, letter of authorisation drawings and specifications supplied along with the specifications.	Yes <b>(MANDATORY)</b>	(Y/N)	

**1. GENERAL**

a)	A Standard production mobile grain drier, 10tons capacity, of latest design, in current production.	Yes, Yes, Yes	_____(Y/N)	
b)	Supplied new	Yes, Yes	_____(Y/N)	
c)	Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Suitable for grain drying.	Yes	_____(Y/N)	
e)	Towable by medium size vehicle, truck or tractor.	Yes	_____(Y/N)	
f)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	

**2. DIMENSIONS , PERFORMANCE AND WEIGHTS.**

a)	Overall length, approx.	6,000 mm	----- mm	
b)	Diameter of bin approx.	3,400 mm	----- mm	
c)	Loading auger size approx.	2,000 mm	----- mm	
d)	Vertical circulating auger diameter approx.	3,000 mm	----- mm	
e)	PTO shaft speed approx.	500RPM	-----RPM	

f)	Grain wall thickness approx.	450 mm	----- mm	
g)	Transport height approx.	4,000 mm	----- mm	
h)	Weight approx.	2,000kg	----kg	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
i)	Loading (hopper) rate	50tons/hr	----tons/hr	
j)	Unloading rate	50tons/hr	----tons/hr	
k)	Recirculating time approx.	12-16 minutes	----min.	
l)	Fitted with a suitable burner, size 850KW	Yes specify	_____(Y/N) -----	
m)	Fitted with a suitable belt drive fan, size 800mm axial	Yes specify	_____(Y/N) -----	
n)	Fan rating and outlet approx.	16000CFM@ 1.5"		
o)	Static pressure approx.	450m @370Pa		

p)	Electric motor required, 25HP/1700rpm	Yes specify	_____(Y/N) -----	
q)	Drying capacity, 8.5 tons/hr (20.5-15.5%)	Yes	_____(Y/N)	
r)	Grain capacity approx.	10-13tons	----tons	
<b>3. CONSTRUCTION &amp; ACCESSORIES</b>				

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
a)	Fitted on a heavy duty draw bar/ frame of welded steel construction, steel panels, ladder, 6No.jack stands.	Yes Specify	-----(Y/N) -----	
b)	With stainless Steel ring burners of suitable construction	Yes Specify	-----(Y/N) -----	
c)	Fuel type.	Specify		

d)	Fitted with suitable auger and loading hopper.	Yes Specify type		
e)	Round bin and perforated inner chamber made of special/heat resistant material.	Specify material		
f)	System complete and fitted with dryer control panel having the necessary pressure, safety controls, clutch for engaging and disengaging, temperature switch, tanks, piping etc.	Yes Specify	----- (Y/N)  -----	
g)	Fitted with positive agitator arm and built in vaporizer.	Yes Specify	----- (Y/N)  -----	
h)	Fitted with working lights.	Yes	_____ (Y/N)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
i)	Tyres ,4 No.	Specify type,,size,,No. of each		
j)	To have a suitable access door with hinges/locks.	Yes	_____ (Y/N)	

k)	Suitable towing hitch/eye/hook fitted	Yes	_____(Y/N)	
----	---------------------------------------	-----	------------	--

4. **ACCESSORIES ETC**

	Manufacturers complete tools kit a) supplied	Yes	_____(Y/N)	
b)	Comprehensive list of standard and specialized tools to be supplied with the equipment.	Specify	_____	
c)	Any other equipment that manufacturer deems necessary for optimum efficiency of the equipment.	Specify	_____	

5. **WARRANTY**

a)	Specimen of warranty to be submitted when tendering	Yes, <b>Mandatory</b>	_____(Y/N)	
b)	Each equipment to carry manufacturers statement of warranty	Yes	_____(Y/N)	
c)	Equipment warranty, min.	Specify	Years	
d)	Warranty against corrosion, min	Specify	Years	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

6. **OTHER REQUIREMENT**

a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes, <b>Mandatory</b>	_____(Y/N)	
----	---	-----------------------	------------	--

b) Firm=s Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c) Names and locations of dealers/agents where back-up service can be obtained.	Specify	----- ----- -----	

7 **MANUALS**

a) All literature in English Language	Yes	_____(Y/N)	
b) Repair manual supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	
c) Parts catalogue supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	
d) Operators handbook and service schedule Supplied	One per machine Yes, <b>Mandatory</b>	_____(Y/N)	

Tenderer's Signature	Company rubber stamp
Date:	

**7. POWER BLOWER, BACK PACK TYPE**

MOT&I/MTD/QMS/1118

<b>SPECIFICATION NO. MTD-2085-285-16</b>		
<b>TENDERER'S NAME:</b>		<b>NO:</b>
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>

**DESCRIPTION: POWER BLOWER, BACK PACK TYPE**

TENDERER'S Column to be completed by ALL TENDERERS

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
ORIGINAL MANUFACTURER'S LITERATURE, BROCHURES & AUTHORITY SUPPLIED.	Yes (Mandatory)	------(Y/N)	

1. GENERAL

a) A Standard production, power blower, backpack type, of latest design, robust construction in current production.	Yes, Yes, Yes	------(Y/N)	
b) Supplied new.	Yes	------(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	------(Y/N)	
d) Suitable for cleaning/blowing applications.	Yes	------(Y/N)	
e) Suitable for fire control on lawns, gardens, pathways, asphalt roads etc.	Yes(Mandatory)	Yes/No	
f) Necessary literature which demonstrate the working of the machine in detail to be attached in the tender documents.	Yes(Mandatory)	.....(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
g) Suitable for fires on trees, bushes, grass, wood, paper etc.	Yes	------(Y/N)	

h)	Suitable for carrying at the back and operated by one person	Yes	------(Y/N)	
i)	Any item not included in this specification but necessary for improved operation of the equipment to be supplied/ fitted.	Yes(Mandatory)	.....(Y/N)	
2. DIMENSIONS AND WEIGHTS.				
a)	Overall dimensions, lxwxh approx.	1000x500x400 mm	---x---x--- mm	
b)	Operating weight, approx	10Kg	-----Kg	
3. ENGINE /FUEL SYSTEM				
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Petrol engine, 2 Stroke.	Yes (Specify)	----- (Y/N)	
e)	Engine power output, min.	2.8Kw	----- -Kw	
f)	Carburettor system	Yes	----- (Y/N)	
g)	Recoil start with start cable	Yes	----- (Y/N)	
h)	Air cooled.	Yes	----- (Y/N)	
i)	Number of cylinders.	Specify	----- No.	
j)	Piston displacement	65 cc	----- cc	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
k) Oil pump type	Specify	----- -	
l) Fuel tank capacity, approx.	2lt	----- Lt	
m) Average fuel consumption.	specify	-----lt/hr	
n) Fuel type: 2 stroke unleaded gasoline-oil mixture 1:50 or 2 percent	specify		
o) Gasoline octane rating, 87 min	specify		
p) Oil tank capacity, approx.	specify	----- Lt	
q) Idle speed, approx.	2,000rpm	----- rpm	
r) Average fuel consumption.	specify	-----lt/hr	
s) Air filter/screen	specify		
t) Supplied complete with air delivery system (nozzle, pipes, pressure regulator and the necessary tools).	Yes	----- (Y/N)	
<b>5. CONSTRUCTION DETAILS</b>			
a) Backpack type ,operated and controlled with the control handle on the tube with flexible pipe using right hand	Yes	----- (Y/N)	
b) Vibration damping elements/ system	Yes	----- (Y/N)	
c) Fitted with stop switch	Yes	----- (Y/N)	

d)	Speed of air regulated by means of a throttle	Yes	----- (Y/N)	
----	---	-----	----------------	--

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
e)	With a round blow pipe and flat nozzle	Yes	----- (Y/N)	
f)	With a handle holder and control knob	Yes	----- (Y/N)	
g)	Fitted with fan	Yes	----- (Y/N)	
h)	Air velocity with standard nozzle	90m/s	-----	
i)	Air flow with standard nozzle	20m <sup>3</sup> /s	-----	
j)	Sound level	95dB(A)	-----	
k)	Vibration levels at handle	5m/s <sup>2</sup>	-----	
l)	Fitted with an air intake screen	Yes	----- (Y/N)	
m)	Fitted with a shoulder harness	Yes	----- (Y/N)	
n)	Fitted with a suitable muffler designed to keep noise levels to a minimum and to direct exhaust fumes away from the operator	Yes	----- (Y/N)	
o)	With a spark arrester with screen inside muffler to reduce risk of fire	Specify	-----	

6. WARRANTY

a) Specimen of equipment manufacturer warranty to be supplied when tendering.	Yes (Mandatory)	----- (Y/N)	
b) Warranty duration, min 1 year	Specify duration	----- Years / ----- Hrs	

7. **MANUALS**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a) All literature in English language	Yes Mandatory	----- (Y/N)	
b) Repair Manual supplied.	Yes (Mandatory)	----- (Y/N)	
c) Parts catalogue supplied.	Yes (Mandatory)	----- (Y/N)	
d) Operators' handbook supplied.	One per machine	----- (Y/N)	
e) Repair tool kit supplied.	Yes (Mandatory)	----- (Y/N)	
e) Standard manufacturer's tools supplied.	Yes (Mandatory)	----- (Y/N)	
<b>8. <u>OTHER REQUIREMENTS</u></b>			
a) Equipment will be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes (Mandatory)	----- (Y/N)	

c) Firm's Status: (Franchise holder/ Dealer/Agent) Letter of appointment to any of the above status by the principal manufacturer to be attached.	Yes Mandatory	_____ (Y/ N)	
d) Availability of spare parts.	Indicate firms that stock equipment spare parts.	----- ----- ----- -----	
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- -----	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f) Supplying firm to offer training to user on trouble shooting and maintenance of the equipment.	Yes Mandatory	----- (Y/N)	
g) Firm to provide service items for the  1 <sup>st</sup> one year of operation including filters, plug, pipe, oil and list them.	Yes Mandatory	_____ (Y/N) -----	

Tenderer's Signature

Company rubber stamp

Date:

**8. AIR COMPRESSOR 100 M<sup>3</sup>/MIN FREE AIR DELIVERY**

MOT&I/MTD/QMS/453

**SPECIFICATION NO. MTD-2114-162-20**

**TENDER'S NAME:**

**NO:**

TENDER NO:

ITEM NO:

QTY:

**DESCRIPTION: AIR COMPRESSOR 100 M<sup>3</sup>/MIN FREE AIR DELIVERY**

TENDERER'S Column to be completed by ALL TENDERERS

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
<b>1</b>	<b>GENEREAL</b>			
a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
d)	MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Y/N)	
e)	A standard production, air compressor of latest design, robust construction in current production marketed in Kenya.	Yes, Yes, Yes	----- (Y/N)	
f)	Suitable for supplying compressed air for mining and construction industry.	<b>Yes Mandatory</b>	Yes/No	
g)	Supplied new and unused	Yes	Yes/No	
h)	Designed to heavy-duty specifications and suitable for use in tropical conditions.	Yes	Yes/No	

i)	Portable with adjustable stand and pneumatic tyres	Yes	Yes/No	
j)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	
<b>2</b>	<b><u>PERFORMANCE</u></b>			
a)	Rated operating pressure approx.	24bar(350psi)		
b)	Maximum allowable pressure.	specify		
c)	Free air delivery approx.	100m <sup>3</sup> /m	----- m <sup>3</sup> /m	
d)	Operating weight approx.	Specify	----- kg	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
e)	Dimensions l x w x h approx.	5000x2000x300 0 mm	-----mm	
f)	Ground clearance approx.	350mm		
g)	Safety valve setting approx.	28bar(400psi)		
h)	Air outlets, various sizes , 4No., 1-3"	Yes specify	Yes/No -----	
i)	Supplied complete with 4No. Air hoses.	<b>Yes</b> <b>Mandatory</b> specify	Yes/No -----	
<b>3</b>	<b>ENGINE</b>			

a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	With a diesel engine offering good performance and efficiency	<b>Yes Mandatory</b>	Yes/No	
e)	No of cylinders	4/6		
f)	Engine cooling	Water cooled		
g)	Power rating approx.	800HP	----- HP	
g)	Operating speed approx.	2100rpm	-----rpm	
h)	Fuel tank capacity approx.	500	-----l	
<b>4</b>	<b>OTHER REQUIREMENTS</b>			
a)	On a suitable rugged trolley, towing hook and adjustable stand	<b>Yes Mandatory</b>	Yes/No	

Tenderer's Signature

Official stamp.

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
b)	Tyres, pneumatic type, 4No min	Yes specify	-----Yes/No	
c)	Instrument panel with mechanical air pressure gauge, hour meter, ignition start switch, and override switches alternator warning light, circuit breaker etc.	<b>Yes Mandatory specify</b>	Yes/No  -----	
d)	Equipment to be registered by the Registrar of Motor Vehicles	<b>Yes</b>	Yes/No	
e)	Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification prior to delivery to the user.	<b>Yes Mandatory</b>	Yes/No	
f)	Shop manual, service, warranty book, parts catalogue /CD supplied	<b>Yes</b>	Yes/No One set per vehicle (Mandatory)	(Y/N)

Date:

### 9. HEAVY DUTY AIR COMPRESSOR 200 M<sup>3</sup>/MIN FREE AIR DELIVERY

MOT&I/MTD/QMS/453

**SPECIFICATION NO. MTD-2115-162-20**

**TENDER'S NAME:**

**NO:**

<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: HEAVY DUTY AIR COMPRESSOR 200 M<sup>3</sup>/MIN FREE AIR DELIVERY</b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
<b>1</b>	<b>GENERAL</b>			
a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Y/N)	
e)	A standard production, heavy duty air compressor of latest design, robust construction in current production marketed in Kenya.	Yes, Yes, Yes	----- (Y/N)	
f)	Suitable for supplying compressed air for mining and construction industry.	<b>Yes Mandatory</b>	Yes/No	
g)	Supplied new and unused	Yes	Yes/No	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
h)	Designed to heavy-duty specifications and suitable for use in tropical conditions.	Yes	Yes/No	

i)	Portable with adjustable stand and pneumatic tyres	Yes	Yes/No	
j)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	
<b>2</b>	<b><u>PERFORMANCE</u></b>			
a)	Rated operating pressure approx.	40bar(600psi)		
b)	Maximum allowable pressure.	specify		
c)	Free air delivery approx.	200m <sup>3</sup> /m	----- m <sup>3</sup> /m	
d)	Operating weight approx.	Specify	----- kg	
e)	Dimensions lxwxh approx.	6000x2200x300 0 mm	-----mm	
f)	Ground clearance approx.	400mm		
g)	Safety valve setting approx.	48bar(700psi)		
h)	Air outlets, various sizes , 6No., 1-3”	Yes specify	Yes/No -----	
i)	Supplied complete with 6No. Air hoses.	<b>Yes Mandatory specify</b>	Yes/No -----	
<b>3</b>	<b>ENGINE</b>			

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
a)	MAKE	-		

b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	With a diesel engine offering good performance and efficiency	<b>Yes Mandatory</b>	Yes/No	
e)	No of cylinders	4/6		
f)	Engine cooling	Water cooled		
g)	Power rating approx.	1000HP	----- HP	
g)	Operating speed approx.	1800rpm	-----rpm	
h)	Fuel tank capacity approx.	600	-----l	
<b>4</b>	<b>OTHER REQUIREMENTS</b>			
a)	On a suitable rugged chassis, towing hooks and stand	<b>Yes Mandatory</b>	Yes/No	
b)	Tyres, pneumatic type, 4No min	Yes specify	-----Yes/No	
c)	Instrument panel with mechanical air pressure gauge, hour meter, ignition start switch, and override switches alternator warning light, circuit breaker etc.	<b>Yes Mandatory specify</b>	Yes/No  -----	
d)	Equipment to be registered by the Registrar of Motor Vehicles	<b>Yes</b>	Yes/No	
e)	Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the	<b>Yes Mandatory</b>	Yes/No	

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
	specification prior to delivery to the user.			
f)	Shop manual, service, warranty book, parts catalogue /CD supplied	Yes	Yes/No One set per vehicle (Mandatory)	(Y/N)

Tenderer's Signature

Official stamp.

Date:

### 10. MOBILE TOWER CRANE, 2.5 TON CAPACITY

MOT&I/MTD/QMS/1199

<b>SPECIFICATION NO. MTD-2117-398-20</b>	
<b>TENDERER'S NAME:</b>	<b>NO:</b>
<b>TENDER NO:</b>	<b>ITEM NO: QTY:</b>
<b>DESCRIPTION: MOBILE TOWER CRANE, 2.5 TON CAPACITY</b>	
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>	

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
1	<b>GENERAL.</b>			
a)	A standard production, mobile tower crane of latest design in class, robust construction in current production.	Yes	____(Y/N)	
b)	Supplied new.	Yes	____(Y/N)	
c)	Designed to heavy duty specifications, capable of operating in tropical conditions in extremes of temperatures and dust.	Yes	____(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
--	---------------	-------------	----------	------------

d)	Most suitable for building construction works.	Yes	_____(Y/N)	
e)	Lifting capacity 2.5 ton with 7.5 m moment arm.	Specify capacity	-----ton	
f)	To have suitable safety devices within the electric, gear, hydraulic systems etc.	Yes mandatory	_____(Y/N)	
g)	Lifting done by means of a wire hook.	Yes	_____(Y/N)	
h)	Tower crane to comply with international standards .-ISO 9001:2000, ISO 14001:2004, KS 9001:2001 mandatory and attach documentary evidence.	Specify	_____	
i)	Any item necessary for the efficient operation or completeness of this equipment but not included in this specification to be supplied /fitted.	Yes	_____(Y/N)	

## 2. CRANE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Manufacturer's literature and specifications supplied.	Yes, (Mandatory)	_____(Y/N)	
1)	Power supply 415V/50Hz 3phase/ 50Hz or 230V single phase, 10KVA	Specify power input		
2)	Capacity at 7.5m approx.	2.5 ton	_____ton	

3)	Hoist motor rating, approx	10KW	_____(kW)
----	----------------------------	------	-----------

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
4)	Max. lift height for 800kg approx	36 m	____ m	
5)	Overall installed height approx	specify	____ m	
6)	Basic mast height, approx.	23 m	____ m	
7)	Length of jib (slewing radius), approx.	3 m	____ m	
8)	Jib reach approx	25 m	____ m	
9)	Hoist speed approx	20/140m/min	-----m/min	
10)	Trolleying speed approx	30m/min	-----m/min	
11)	Slewing speed approx	1rpm	-----rpm	
12)	Net weight without ballast	8t	____ tons	
13)	Total weight with ballast	17t	____ tons	
14)	Number of tower sections approx	3	-----	
15)	Fitted with a suitable towable type trailer	Yes	------(Y/N)	
16)	Supplied with a suitable prime mover with an inbuilt 25KVA generator.	Yes	------(Y/N)	

17)	To be supplied complete and with all necessary attachments, accessories and tools.	Yes Mandatory	------(Y/N)	
-----	--	------------------	-------------	--

### 3 MANUALS

a)	All literature in English language.	Yes	------(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
b)	Repair manuals supplied.	Yes	------(Y/N)	
c)	Parts catalogue supplied.	Yes	------(Y/N)	

### 4. WARRANTY

a)	Specimen warranty to be submitted when tendering.	Yes	------(Y/N)	
b)	Each crane supplied to carry a statement of warranty.	Yes Mandatory	------(Y/N)	

### 5 OTHER REQUIREMENT

a)	Crane to be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes (Mandatory)	-----(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify		
c)	Manufacturers authorization letter attached.	<b>Yes (Mandatory)</b>	------(Y/N)	
d)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify)		

e)	Supplier to offer adequate training on the installation and use of equipment, test/commission machine and user to choose site	<b>Yes (Mandatory)</b>	----- (Y/N)	
f)	Availability of spare parts	Indicate firms who stock spare parts.		

Tenderer's \_\_\_\_\_ official rubber stamp signature.

### 11. MEDIUM SIZE, DREDGING AND LOADING BOAT

<b>SPECIFICATION NO. MTD-2118-383-20</b>		
<b>TENDERER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: MEDIUM SIZE, DREDGING AND LOADING BOAT.</b>		

**TENDERER'S Column to be completed by tenderer**

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, specifications (on boat and engine) and authority supplied.	Yes (Mandatory)	(Y/N)	
Detailed engineering drawings and dimensions of the boat indicating equipment arrangement supplied.	Yes (Mandatory)	(Y/N)	

1. <u>GENERAL</u>			
a)	A standard production medium size dredging and loading boat of latest design and in current production..	Yes	------(Y/N)
b)	Suitable for shallow waters, rivers, canals, ponds , in lakes and seashores.	Yes	------(Y/N)
c)	Suitable for dredging, pile driving, loading and cleaning in shallow waters, coastlines and shorelines.	Yes	------(Y/N)
d)	Suitable for environmental work i.e. flood prevention, vegetation & trash removal, removal of polluted sediments etc.	Yes	------(Y/N)

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
e)	Suitable for construction work .i.e piping system & cable works, building in water environment etc.	Yes	------(Y/N)	
f)	Suitable for industrial work .i.e. maintenance & cleaning of industrial basins & mining ponds..	Yes	------(Y/N)	
g)	The boat to have a suitable operator cabin structure enclosed with all round vision with roofing and full single level selfdraining deck.	Yes (Mandatory)	------(Y/N)	
h)	The boat must comply with internationally acceptable agency codes and the laws pertaining to its operation in the Country including ISO9001/14001.	Yes (MANDATORY)  Specify	------(Y/N)  _____ —	

i)	Any item necessary for the efficient operation of this boat but not included in this spec. to be fitted/supplied.	Yes	_____(Y/N)	
----	---	-----	------------	--

**2. DIMENSIONS & WEIGHTS**

a)	Overall length (including excavator boom), approx.	12,000mm	_____mm	
b)	Breadth (max beam) approx.	3,000-4,000mm	_____mm	
c)	Depth of Hull	7,000mm	_____mm	
d)	Draft, approx	1,000mm	_____mm	
e)	Transport length without excavator boom	11000mm	_____mm	

**3 ENGINE**

a)	Single inboard Marine Engine	Yes (Mandatory)	_____(Y/N)	
b)	Make.	-	_____	
c)	Model.	-	_____	
d)	Country of origin	-	_____	
e)	Engines performance curves supplied	Yes (Mandatory)	------(Y/N)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
f)	Single inboard multi-cylinder Diesel Engine	Yes, Yes,	------(Y/N)	
g)	Engine cooling, raw water total waste	Specify	-----	
h)	Engine aspiration.	Turbo	-----	

i)	Piston displacement, approx	4,000-6,000cc	-----cc	
j)	Number of cylinders	6	-----No	
k)	Rated power output for engine	200250Hp/2000rpm	-----Hp	
l)	Air filter type, disposable/oil bath	Specify	-----	
m)	Fuel and oil filter type	Specify	-----	
n)	Average fuel consumption at max boat speed, on full load	Specify	-----	
o)	Inboard fuel tank installed.	Yes (Mandatory)	_____ (Y/N)	
p)	Inboard fuel tank, isolated, sealed away from inflammable material.	Yes (Mandatory)	_____ (Y/N)	
q)	Total fuel tank capacity approx..	1,200lts	_____ Lts	
r)	Tachometer, hour meter, ammeter, fuel meter, trim meter and warning lights etc fitted on instrument panel at control position.	Yes	_____ (Y/N)	
s)	Lubrication:	Specify	----- --	
t)	Starting system, electric start.	Yes (Mandatory)	_____ __	
<b>4 <u>PROPULSION AND STEERING</u></b>				
a)	Propeller driven/equivalent.	Yes	_____ __	
b)	No. of Propeller blades, min 3	Yes Specify	_____ (Y/N) -----No.	
c)	Propeller diameter x pitch	Specify	-----mm	
d)	Reduction gear ratio with reverse	Specify	-----	

e)	Cruise speed, approximately	3 Knots	-----	
SPECIFICATION				COMPLIANCE
		REQUIRED	TENDERER'S	
			Knots	
f)	Max. speed , approximately	10 Knots	-----knots	
g)	Steering method, Hydraulic. (Remote)	Yes	(Y/N)	
h)	Tilt angle, up/down	Specify	-----X <sup>0</sup>	
<b>5. CONSTRUCTION</b>				
a)	Hull to be of marine grade steel welded inside and outside, Sandwich construction - polyurethane foam filled chassis with a high degree of buoyancy reserve / divided into 7 water tight compartments. Should be completely waterproof and to be protected by heavy-duty pneumatic fenders.	Yes (Mandatory)	----- (Y/N)	
b)	Radar Platform provided.	Yes	----- No	
c)	Rubber fender of 'D' section fitted round gunwale.	Yes	----- No	
d)	At least six (6) large fenders plus fender holders provided.	Yes	----- No	
e)	Hull to have high quality painting (corrosion resistant), at least two primer coats as per the owner's choice.	Yes	----- (Y/N)	
f)	Deck, free-draining and non-slip floor	Yes	----- (Y/N)	
g)	Super structure with roofing, (Cabin enclosed)	Yes	----- (Y/N)	
h)		Yes	-----No.	

	Cleats for securing boat, at least six provided.			
i)	Cabin roof grab rails of stainless steel.	Yes	----- (Y/N)	
j)	Suitable guard rail of stainless steel installed all round.	Yes	----- (Y/N)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
k)	Stainless steel ladder to boarding platform.	Yes	----- No.	
l)	Transom towing eye.	Yes	-----No.	
m)	Flagstaff holders.	Yes	-----No.	
n)	Protective skid bars on bottom of hull	Yes	_____ (Y/N)	
6	OTHER ATTACHMENTS			
a)	Fitted with suitable front stabilizers reaching 5m depth maximum.	Yes	_____ (Y/N)	
b)	Fitted with suitable rear tilting stabilizers reaching 6.5m depth maximum.	Yes	_____ (Y/N)	
7.a)	HYDRAULIC SYSTEM  Fitted with a suitable hydraulic system complete with pumps, controls, gauges, piping system etc.	Yes	_____ (Y/N)	
b.i.)	With a suitable axial piston pump/equivalent for dredging and propeller	Yes	_____ (Y/N)	

b.ii)	Operating pressure 340 bar max and 100 cc/rev	specify		
c.i.)	With a suitable axial piston pump/equivalent for digging and stabilizers	Yes	_____	(Y/N)
ii)	Operating pressure 220 bar max and 100 cc/rev	specify		
8.a)	EXCAVATOR SYSTEM Fitted with a suitable excavator system complete with boom, bucket, piping system etc.	Yes	_____	(Y/N)

SPECIFICATION		REQUIRED	TENDERER'S	COMPLIANCE
.i.)	Excavator	make	-	
ii)		model	-	
iii)		Country of origin	-	
b.i.)	Swinging angle	180 <sup>0</sup>	_____	(Y/N)
ii)	Break out force from bucket cylinder	80kN	_____	
c.i.)	Digging force from arm cylinder	40kN	_____	
ii)	Lifting capacity at max reach	20kN	_____	
d)	Lifting capacity with power lift at max reach	24kN	_____	
e)	Maximum reach	8m		
f)	Maximum digging depth	5m		
g)	Fitted with quick coupler for tools	Yes	_____	(Y/N)

h)	All necessary tools, bits and accessories for excavator supplied	Yes	_____ (Y/N)	
9.	SPECIAL ATTACHMENTS AND ACCESSORIES	Yes	_____ (Y/N)	
a	Fitted with a suitable cutting system complete with the following:-	Yes	_____ (Y/N)	
b.i.)	With a suitable general suction dredging attachment.	Yes	_____ (Y/N)	
ii)	Suitable submersible pump , discharge distance 1.5km	Specify type, make , capacity and distance	-----	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
.iii.)	With a suitable cutting units including universal and soft soil type.	Yes	_____ (Y/N)	
c)	With a suitable bucket capacity 500l for backhoe dredging, excavating hard soils with abrasion resistant rails.	Yes	_____ (Y/N)	
d)	With a suitable clamshell bucket capacity 600l for environmental dredging and loading into barges.	Yes	_____ (Y/N)	
e)	With a suitable rake 2.5m wide for removal of reeds, roots, other vegetation and cleaning bottom of water/sea of trash.	Yes	_____ (Y/N)	

f)	With a suitable piling bucket capacity /wood piling attachment for reinforcing shores and marine maintenance.	Yes	_____ (Y/N)	
10 <u>ACCOMMODATION</u>				
a)	Operator and instructor cabin to be modern and comfortable	Yes	-----No.	
b)	Midships console for instruments, searchlight, compass, horn, steering	Yes	----- (Y/N)	
c)	Bilge pump with auto-switch	Yes	----- (Y/N)	
d)	Scupper for drained water	Yes	----- (Y/N)	
e)	Electric fuse panel/ switch panel	Yes	----- (Y/N)	
f)	Bow storage / Bow eye and heavy duty aluminium bow roller provided	Yes	----- (Y/N)	
g)	Chain locker situated right in the bow and self-draining.	Yes (Mandatory)	----- (Y/N)	
h)	A disposable sea toilet with hand washbasins in a separate compartment.	Yes (Mandatory)	----- (Y/N)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
i)	Fresh Water Tank capacity, min	200 Lts	-----Lts.	
j)	Fresh Water Pump provided	Yes (Mandatory)	----- (Y/N)	
k)	Separate compartment as washroom complete with toilet, washbasin and shower	Yes (Mandatory)	----- (Y/N)	
l)	Heating , ventilation and air conditioning installed	Yes (Mandatory)	----- (Y/N)	
<u>ELECTRICAL SYSTEM / INSTRUMENTATION.</u>				

11.			
a)	System voltage, approx.	24 volts	Volts
b)	Battery capacity, approx.	2x180AH	AH
c)	Battery parallel switch operating on a solenoid bringing both banks of batteries to bear on any one given engine.	Yes (Mandatory)	------(Y/N)
d)	Alternator charging, approx.	Yes	------(Y/N)
e)	Voltmeters / ammeters for 24 Volts	Yes	Volts
f)	Master battery cut-off switch	Yes	------(Y/N)
g)	Navigation lights, illuminated compass. Anchor lights	Yes (Mandatory)	------(Y/N)
h)	Horn siren	Yes (Mandatory)	------(Y/N)
i)	Echo sounder	Yes (Mandatory)	------(Y/N)
j)	Day and night vision optronics.	Yes	------(Y/N)
k)	Deck lighting, working lights.	Yes	------(Y/N)
l)	Search light	Yes (Mandatory)	------(Y/N)
m)	Steaming light switch	Yes	------(Y/N)
n)	Flashing light blue	Yes (Mandatory)	------(Y/N)
o)	GPS installed	Yes (Mandatory)	------(Y/N)

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
p)	Public address and loud hailer installed, tannoy switch provided.	Yes (Mandatory)	------(Y/N)	

q)	Hand held VHF and UHF radio	Yes (Mandatory)	------(Y/N)	
r)	Chart plotter and path finder	Yes (Mandatory)	------(Y/N)	
s)	Clock and Barometer fitted	Yes (Mandatory)	------(Y/N)	
<b>12. <u>LIFE SAVING AND FIRE FIGHTING EQUIPMENT.</u></b>				
	The boat must be fitted with all the standard life saving equipments and other facilities which must include:-	Yes (Mandatory)	------(Y/N)	
a)	Fire control system, Fire fighting equipment and fixed halogen system (or equivalent) (Fire extinguishers, fire axes etc)	Yes (Mandatory)	------(Y/N) -----No.	
b)	Anchor, mooring ropes and winch.	Yes	------(Y/N)	
c)	Navigation Radar, radar reflector, immersion protection electrics/auto engine cut off	Yes (Mandatory)	------(Y/N)	
d)	Hand flares, orange smoke flares and distress set flares, min. 5 No.	Yes (Mandatory) specify	------(Y/N) -----	
e)	First aid kit, boat hook, torch paddles, rope, rescues quoits.	Yes (Mandatory)	------(Y/N)	
f)	Other life saving equipment	Yes (Mandatory)	------(Y/N)	
	Life jackets-----min 10	Yes (Mandatory)	------(Y/N)	
	Rings buoys ----- min 10	Yes (Mandatory)	------(Y/N)	
	Standard inflatable raft to seat min. 10 personnel , min (1)	Yes (Mandatory)	------(Y/N)	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
---------------	----------	------------	------------

g)	Any other life saving equipment.	Specify	------(Y/N)	
13) MAINTENANCE AND SERVICE REQUIREMENTS				
	Tenderers to supply spare listed below	Yes (Mandatory)	-----Kg	
a)	Standard engine parts to be supplied to cover the warranty period or 3,000 hours of operation.	Yes	------(Y/N)	
b)	Boat spares and accessories including and not limited to the following:	Yes	------(Y/N)	
i)	4 propellers.	Yes	------(Y/N)	
ii)	2 propeller shafts	Yes	------(Y/N)	
iii)	4 fuel filter separators.	Yes	------(Y/N)	
iv)	20 fuel filter elements.	Yes	------(Y/N)	
v)	2 search light bulbs	Yes	------(Y/N)	
vi)	3 sets navigation light bulbs.	Yes	------(Y/N)	
vii)	2 sets fuel gauges and senders	Yes	------(Y/N)	
viii)	1 wiper motor.	Yes	------(Y/N)	
ix)	2 wiper arms	Yes	------(Y/N)	
x)	1 water pressure pump.	Yes	------(Y/N)	
xi)	Complete set of switches, fuses, connectors and wiring spares kit	Yes	------(Y/N)	
xii)	2 spare automatic bilge pumps.	Yes	------(Y/N)	
xiii)	1 spare manual bilge pump.	Yes	------(Y/N)	

xiv) 1 set plumbing parts.	Yes	------(Y/N)	
xv) Other spares and accessories	Specify	----- -----	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
deemed necessary		-----	

<b>14. FINISH</b>			
a) Boat moulded/ painted in user's choice of colours.	Yes	------(Y/N)	
b) Interior finish to be of high quality and washable.	Yes	------(Y/N)	

<b>11 <u>MANUALS</u></b>			
a) All literature in English language.	Yes (Mandatory)	_____(Y/N)	
b) Operator's manuals supplied.	Yes (Mandatory)	_____(Y/N)	
c) Maintenance manuals supplied.	Yes (Mandatory)	_____(Y/N)	

<b>15 WARRANTY</b>			
a) Each boat and engine supplied to carry a statement of warranty.	Yes (Mandatory)	------(Y/N)	
b) Warranty duration, min. one (1) year for marine engine	Yes (Mandatory)	------(Y/N)	
c) Hull to carry extended warranty against manufacturing defects, min. five (5) years	Yes (Mandatory)	____ Year(s)	
d) Specimen of boat , engine warranties to be submitted when tendering.	Yes (Mandatory)	____ Year(s)	

e)	Authorization letter from the manufacturer attached.	Yes (Mandatory)	_____Year(s) )	
16	<u>OTHER REQUIREMENTS</u>			
a)	The Chief Mechanical and Transport Engineer- Min. of Transport & Infrastructure or his representative and an Officer from the Kenya Marine Authority shall inspect the Hull throughout all its construction stages to ensure compliance with body construction and other technical matters as per	Yes (Mandatory)	_____(Y/N) )	
	<b>SPECIFICATION</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	the tender specification			
b)	The Chief Mechanical and Transport Engineer in the min. of Transport & Infrastructure or his representative and an Officer from the Kenya Marine Authority shall inspect the Boat/engine, prior to delivery to the user as per tender specification	Yes (Mandatory)	_____(Y/N) )	
c)	Availability of spares for boat engine.	Indicate dealers who stock spare parts.	----- ----- ----- -----	
d)	Names and addresses of engine and main boat equipments dealers/agents where back-up service can be obtained.	Specify	----- ----- ----- -----	
17	<b>TRAINING – To enable transition and hand over</b>			
a)	One week overseas training for 4No. crew members at a location designated by the supplier.	Yes (Mandatory)	_____(Y/N) )	
b)	Two weeks local training for 4No. crew members.	Yes (Mandatory)	_____(Y/N) )	

Tenderer's Signature

Official stamp.

Date:

**12. TWO STAGE REFUSE COLLECTION TIPPER, 1.5-2.5T CAPACITY**

MOT&I/MTD/QMS/1206

<b>SPECIFICATION NO. MTD-2599-012-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: TWO STAGE REFUSE COLLECTION TIPPER, 1.5-2.5T CAPACITY.</b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**A. TRUCK (CAB-CHASSIS)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORIZATION AND SPECIFICATIONS SUPPLIED	Yes Mandatory	------(Yes/No)	

**1. GENERAL**

a) A standard production, 4x2, two stage refuse collection tipper truck, 1.5-2.5t, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b) Supplied new.	Yes	------(Yes/No)	
c) Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Suitable for collecting, transporting and discharging refuse.	Yes	------(Yes/No)	
e)	Suitable for door to door waste collection from narrow urban streets.	Yes	------(Yes/No)	
f)	Capable of one man operation and allows driver to accurately dump waste into refuse containers without leaving the drivers cabin	Yes	------(Yes/No)	
g)	Truck to be loaded manually on both sides and to discharge (tip) refuse at the rear.	Yes Mandatory	------(Yes/No)	
g)	Control Forward/Normal	Specify	-----	

2. DIMENSIONS AND WEIGHTS

a)	Overall length, .	4,000mm	mm	
b)	Overall width, approx.	2,200mm	mm	
c)	Overall height, min.	2,500mm	mm	
d)	Wheelbase, min.	3,000mm	mm	
e)	Length of chassis aft of cab, min.	3,000mm	mm	
f)	Kerb weight, min.	1,500-2,500Kg	Kg	
g)	G.V.W., .	4,000kg	Kg	
h)	Payload min	1,500 Kg	Kg	
k)	Turning radius, approx.	8,800mm	-----mm	

3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		

d)	Engine performance curves supplied.	Yes	<u>          </u> (Y/N)
----	-------------------------------------	-----	----------------------------

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Diesel Engine, water cooled, 4 Stoke.	Yes, Yes, Yes	_____ (Y/N)	
f) Mode of aspiration. (Natural/Turbocharged)	specify	_____	
g) Piston displacement, approx.	2,000 – 5,000cc	_____ cc	
h) Number of cylinders	specify	_____ No.	
i) Maximum power output / rpm, .	60HP / 5000rpm	_____ Hp/r pm	
j) Maximum torque developed /rpm,	100Nm /3000rpm	_____ Nm/rp m	
k) Air cleaner type, disposable/ oil bath.	specify	_____	
l) Oil and fuel filter type	disposable	_____	
m) Average fuel consumption (on full load)	specify	_____ km/ l	
n) Fuel tank capacity, approx.	40Lt	_____ Lt	
o) Extra fuel tank fitted Capacity	Yes  specify	_____ (Y/N)  Lt	

4. CLUTCH AND TRANSMISSION

a) Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)	
b) Clutch, system actuation, Hydraulic	Yes	------(Yes/No)	
c) Gearbox, synchromesh.	Yes	------(Yes/No)	
d) Number of speeds,.	5F, 1R	-----F/---- R	
e) Drive configuration.	4x2	----- x-----	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c)	Rear tyres.	Dual	-----	
d)	Tires size locally available.	Yes	------(Yes/No)	
e)	Optimum tire size	Specify	----- -	
f)	Suspension, front and rear springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	------(Yes/No)	
b)	Steering Type, assisted.	Yes	------(Yes/No)	
c)	All steel, spacious cab to seat 2 comfortably.	Yes, Yes	------(Yes/No)	
d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	12V, Yes	------(Yes/No)	
b)	Battery capacity and size.	Specify	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	

d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	
----	--	-----	----------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	------(Yes/No)	
b)	Laminated (safety) windshield.	Yes	------(Yes/No)	
c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
g)	Any other equipment (or accessories) supplied.	Specify	----- ----- -----	
h)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
i)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
j)	Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	

B.

9.	BODY CONSTRUCTION			
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10 REFUSE COLLECTION BODY			
a)	The requirement is for a fabricated steel refuse collection body tipper type to be mounted on the cab chassis.	Yes, Yes	_____(Y/N)
b)	Designed and fitted as per the chassis manufacturers specifications.	Yes	------(Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c)	Standard manufacturers shape – rectangular type appropriately shaped	Yes, Specify	------(Yes/No) .....
d)	Tipper body dimensions approx, Length Width height	2,000mm 1,500mm 700mm	-----mm -----mm -----mm
e)	A suitable steel fabricated refuse collection and tipping body or any other suitable material strong and able to resist corrosion ; covered to prevent refuse falling during movement of truck	Yes Specify body material	------(Yes/No)
f)	Body to have a suitable tipping mechanism at the underside of body to enable refuse discharge.  With scissor type structure to give vertical height before dumping but also to provide horizontal displacement to ensure accurate dumping into a high container or to spread the contents uniformly on ground during dumping.	Yes, Mandatory Specify type of tipping mechanism and where located	------(Yes/No) .....

g)	Tipping controls to be located in the drivers cabin	Yes, Mandatory Specify	------(Yes/No) .....	
h)	Body floor fabricated from 2.5mm thick mild steel plate (full width) reinforced.	Yes	----- (Y/N)	
i)	Fitted with under floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
j)	To have a suitable door at the rear for tipping (discharging) refuse.	Yes	------(Yes/No)	
k)	Suitable size tool box to be fitted under body on the left side.	Yes	----- (Y/N)	
l)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Y/N)	
m)	Suitable size rear mudguards fitted.	Yes	----- (Y/N)	
n)	Stone guards fitted for tail lights.	Yes	----- (Y/N)	
o)	To fit all necessary accessories including canvas	Yes Mandatory	------(Yes/No)	

**11. WARRANTY**

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
----	--	-----	----------------	--

b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	

**12. MANUALS**

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

**13. ADDITIONAL REQUIREMENTS**

a)	All body steelwork to be thoroughly cleaned before painting to reduce corrosion. Both internal and exterior finish to be proceeded by one coat primer (red oxide) and intercoat. User to choose final colour and signage.	Yes, Yes, Yes	----- (Y/N)	
a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	

c) Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No)  _____	
d) Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____ _____	
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____ _____	

Tenderer's Signature

Official stamp.

Date:

### 13. MINI DUMPER, 400KG REFUSE CAPACITY

MOT&I/MTD/QMS/1207

<b>SPECIFICATION NO. MTD-2122-012-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: MINI DUMPER, 400KG REFUSE CAPACITY</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

A. TRUCK (CAB-CHASSIS)

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORIZATION AND SPECIFICATIONS SUPPLIED	Yes Mandatory	------(Yes/No)	

1. GENERAL

a)	A standard production, 4x2, mini dumper, 400kg refuse capacity, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new.	Yes	------(Yes/No)	
c)	Designed to light-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	
d)	Suitable for collecting, transporting and discharging refuse.	Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE	
e)	Suitable for general waste collection in narrow urban streets and alleys which are inaccessible to large waste collection trucks.	Yes	------(Yes/No)	
f)	Capable of dumping the waste into trash compaction vehicles(satellite unloading) or the nearest dumping site	Yes	------(Yes/No)	

g)	Truck to be loaded manually on both sides and to discharge (tip) refuse at the rear.	Yes Mandatory	------(Yes/No)	
g)	Control Forward/Normal	Specify	-----	

## 2. DIMENSIONS AND WEIGHTS

a)	Overall length, .	3,500mm	_____mm	
b)	Overall width, approx.	1,600mm	_____mm	
c)	Overall height, .	2,000mm	_____mm	
d)	Wheelbase, .	2,200mm	_____mm	
e)	Length of chassis aft of cab, .	2,000mm	_____mm	
f)	Kerb weight, min.	1,000Kg	_____Kg	
g)	G.V.W., .	1,600kg	_____Kg	
h)	Payload min	400 Kg	_____Kg	
i)	Turning radius, approx.	3,000mm	-----mm	

## 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Engine performance curves supplied.	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Diesel Engine, water cooled, 4 Stoke.	specify	_____	

f)	Mode of aspiration. (Natural/Turbocharged)	specify	_____	
g)	Piston displacement, approx.	800 – 1,200cc	_____cc	
h)	Number of cylinders	specify	_____No.	
i)	Maximum power output / rpm, .	40HP / 5000rpm	_____Hp/r pm	
j)	Maximum torque developed /rpm,	60Nm /3000rpm	_____Nm/rp m	
k)	Air cleaner type, disposable/ oil bath.	specify	_____	
l)	Oil and fuel filter type	disposable	_____	
m)	Average fuel consumption (on full load)	specify	_____km/ l	
n)	Fuel tank capacity, approx.	35Lt	_____Lt	

#### 4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)	
b)	Clutch, system actuation, Hydraulic	Yes	------(Yes/No)	
c)	Gearbox, synchromesh.	Yes	------(Yes/No)	
d)	Number of speeds,.	4F, 1R	-----F/---- R	
e)	Drive configuration.	4x2	----- x-----	

#### 5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Rear tyres.	Dual	-----	
d) Tyres size locally available.	Yes	------(Yes/No)	
e) Optimum tire size	Specify	----- -	
f) Suspension, front and rear independent with telescopic shock absorbers .	Yes, Yes	------(Yes/No)	

6. STEERING, CONTROL AND CAB.

a) Right Hand drive steering	Yes	------(Yes/No)	
b) Steering Type, assisted.	Yes	------(Yes/No)	
c) All steel, spacious cab to seat 2 comfortably.	Yes, Yes	------(Yes/No)	
d) Adjustable driver's seat.	Yes	------(Yes/No)	
e) Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	12V, Yes	------(Yes/No)	
b) Battery capacity and size.	Specify	-----AH	
c) Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d) Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	

8. EQUIPMENT ETC.

a) Heavy-duty type front fender.	Yes	------(Yes/No)	
----------------------------------	-----	----------------	--

b)	Laminated (safety) windshield.	Yes	------(Yes/No)	
----	--------------------------------	-----	----------------	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
g)	Any other equipment (or accessories) supplied.	Specify	----- ----- -----	
h)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
i)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
j)	Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	

**B.**

9.	<b>BODY CONSTRUCTION</b>			
10	<b>TIPPER BODY</b>			
a)	The requirement is for a fabricated steel tipper to be mounted on the cab chassis.	<b>Yes, Yes</b>	_____(Y/N)	
b)	Designed and fitted as per the chassis manufacturers specifications.	Yes	------(Y/N)	

c)	Standard manufacturers shape – rectangular type appropriately shaped	Yes, Specify	------(Yes/No) .....	
d)	Tipper body capacity 1metre cubed heaped and dimensions approx,  Length  Width  height	1,500mm 1,200mm 500mm	-----mm -----mm -----mm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	A suitable steel fabricated refuse collection and tipping body or any other suitable material strong and able to resist corrosion and covered to prevent refuse falling during movement of truck	Yes Specify body material	------(Yes/No)	
f)	Body to have a suitable tipping mechanism at the underside of body to enable refuse discharge.  With hydraulic system consisting of two hydraulic cylinders for tipping/dumping and two hydraulic cylinders for stabilising the vehicle. The stabilizing system ensures that there is no load on the chassis during tipping. Furthermore, a tipping angle of 80 degrees ensures complete emptying of the container.	Yes, Mandatory Specify type of tipping mechanism and where located  Operating pressure	------(Yes/No) .....	
g)	Operating pressure,200bar powered by a 12v dc hydraulic power pack or equivalent	specify		
h)	Tipping controls to be located in the drivers cabin	Yes	------(Yes/No)	

i)	Body floor fabricated from 2mm thick mild steel plate (full width) reinforced.	Yes	----- (Y/N)	
j)	Fitted with under floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.	Yes	------(Yes/No)	
k)	To have a suitable door at the rear for tipping (discharging) refuse.	Yes	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
l)	Suitable size tool box to be fitted under body on the left side.	Yes	----- (Y/N)	
m)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Y/N)	
n)	Suitable size rear mudguards fitted.	Yes	----- (Y/N)	
o)	Stone guards fitted for tail lights.	Yes	----- (Y/N)	

#### 11. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	

#### 12. MANUALS

a)	All literature in English language.	Yes	------(Yes/No)	
----	-------------------------------------	-----	----------------	--

b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle	------(Yes/No)	

13. ADDITIONAL REQUIREMENTS

a)	All body steelwork to be thoroughly cleaned before painting to reduce corrosion. Both internal and exterior finish to be preceded by one coat primer (red oxide) and intercoat. User to choose final colour and signage.	Yes, Yes, Yes	----- (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification prior to delivery to the user.	Yes Mandatory	------(Yes/No)	
c)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No)  _____	
d)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____ _____	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____ _____	

Tenderer's Signature

Official stamp.

Date:

#### 14. CARGO AND VEHICLE SCREENING VAN

MOT&I/MTD/QMS/1208

**SPECIFICATION NO. MTD-2123-044-20**

**TENDERER'S NAME** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: CARGO AND VEHICLE SCREENING VAN**

**TENDERER'S Column to be completed by ALL TENDERER'S**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes mandatory	_____ (Y/N)	

##### 1. GENERAL

a) A Standard production, cargo and vehicle screening van of latest design in current production marketed in Kenya.	Yes, Yes, Yes	_____ (Y/N)	
b) Supplied new.	Yes	_____ (Y/N)	

c)	Designed to heavy duty export specifications, suitable of operating in tropical conditions	Yes, Yes	_____ (Y/N)	
d)	Suitable for use as a security screening of goods and vehicles at border points, airports, sea ports, supermarkets, stadiums, public offices, security installations, crowded places etc.	Yes	_____ (Y/N)	
e)	Suitable for use over paved and un-paved (rough) roads.	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	To have versatile, agile, state of the art screening system.	Yes	_____ (Y/N)	
g)	Non-intrusive type	Yes	_____ (Y/N)	
h)	Capacity 100vehicles per min	Yes specify	_____ (Y/N)	
g)	Suitable for contrabands , people, plastic weapons etc.	Yes	_____ (Y/N)	
g)	Any item necessary for the efficient operation of this equipment but not included in this spec. to be supplied /fitted.	Yes	_____ (Y/N)	

## 2. DIMENSIONS AND WEIGHTS

a)	Overall length, approx.	4,000mm	mm	
b)	Overall width, approx.	1,800mm	mm	
c)	Overall height, approx.	2,000mm	mm	
d)	Wheelbase, approx.	2,500mm	mm	
e)	G.V.W, approx.	2,500Kg	kg	
f)	Kerb weight, approx.	1,200Kg	kg	

g)	Passenger room height, approx.	1,400mm	mm	
h)	Passenger room length, approx.	2500mm	mm	

### 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Engine performance curves supplied.	Yes	_____ (Y/N)	
e)	Engine type, Diesel	specify	_____	
f)	4 Stroke, water cooled.	Yes, Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
g)	Piston displacement , approx.	2,000-3,000cc	cc	
h)	Number of cylinders	4		
i)	Maximum power output, /rpm.	70 Kw 4,800rpm	Kw rpm	
j)	Maximum torque developed /rpm,.	150Nm/2,800rpm	Nm rpm	
k)	Air filter, disposable/oil bath	specify		
l)	Oil and fuel filter type	Disposable		
m)	Average fuel consumption (on full load) at	specify		
	a) Urban driving		Km/l	
	b) Steady 50Km/h	specify	Km/l	
	c) Steady 80Km/h	specify	Km/l	
n)	Fuel tank capacity, approx.	60Lt	Lt	

Extra fuel tank fitment.	specify		
--------------------------	---------	--	--

#### 4. CLUTCH AND TRANSMISSION

a) Clutch, coil spring type, dry single plate,	specify		
b) All synchromesh gearbox.	Yes	_____ (Y/N)	
c) Gear speeds, min	4F,1R		

#### 5. BRAKES AND TYRES

a) Brakes, hydraulic - internal expanding drum	Yes, Yes	_____ (Y/N)	
b) Mechanical parking brake, to act on rear wheels	Yes	_____ (Y/N)	
c) Locally available single purpose tires	Yes	_____ (Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d) Optimum tire size	specify		

#### 6. SUSPENSION AND STEERING

a) Independent, heavy duty front and rear suspension	Yes, Yes	_____ (Y/N)	
b) Heavy duty leaf and coil springs with hydraulic (telescopic) shock absorbers.	specify front rear		
c) Manual or assisted steering	specify		
d) Right Hand drive steering	Yes	_____ (Y/N)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth, with alternator charging	12V, Yes, Yes		
---	---------------	--	--

b)	Battery capacity, approx.	1x12V, 50Ah		
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	_____ (Y/N)	
d)	Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc.	Yes	_____ (Y/N)	
e)	Suitable interior lighting provided for both rear and front.	Yes(Mandatory)	------(Y/N)	
f)	A suitable air-conditioning system for the front and rear sections provided.	Yes (Mandatory)	------(Y/N)	

8. BODY CONSTRUCTION

a)	An all steel /Aluminium/ light alloy fabricated body.	Yes Specify material	(Y/N) -----	
b)	All body construction and installations to comply with the chassis manufacturer's specifications	Yes	(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c)	Body panels to be suitably secured by sealed rivets/spot welding	Specify method		
d)	Vehicle to have suitable lockable doors i.e. driver and co- drivers and at the rear.	Yes	(Y/N)	
e)	Rear door(s) suitably hinged and to open outwards.	180°	°	

f)	Non-slip (chequered) steps provided for all doors to allow easy entry and exit.	Yes	(Y/N)	
g)	Suitable windows (big in size) fitted on the sides and doors for adequate lighting.	Yes	Y/N	
h)	Non-opening window(s) to be fitted on the rear door(s).	specify window dimensions.	-----mm----mm	
i)	Roof reinforced at two positions, equidistant from roof centre lengthwise.	Yes	(Y/N)	
j)	Body rear and doors suitably reinforced.	Yes	(Y/N)	
k)	Provide runner to channel away rain water.	Yes	(Y/N)	
l)	Electrical ventilation fan fitted.	Yes	_____ (Y/N)	
m)	Suitable sockets, plugs and switches fitted conveniently in rear for use with a portable generator.	Yes	_____ (Y/N)	
n)	Partition panel between driver and passenger compartment fitted.	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
o)	Supplied with a working table capable of holding with the equipment which is firmly secured onto the vehicle for stability but detachable.  Table dimensions, approx.	Yes(Mandatory)  1000mm length x  600mm width x  700mm height	----- (y/N)  -----x-----x----- mm	

p)	Suitable storage compartments with partitions fitted for keeping standard size files, folders/laptops.	Yes	_____ (Y/N)	
q)	Secure, lockable spare wheel carrier fitted on roof/rear or any other convenient place.	Yes	_____ (Y/N)	
r)	Any other body reinforcements.	Specify		

9 SEATS

a)	Spacious front to seat 2 passengers comfortably.	Yes, Yes	----- (Yes/No)	
b)	Fitted with reclining and adjustable passenger and driver's seat.	Yes	----- (Yes/No)	
c)	Suitable seats fitted at the rear	Yes	----- (Yes/No)	
d)	All front facing seats to be fitted with safety belts conforming to KEBS 06-664: 1985 standard.	Yes	----- (Yes/No)	
e)	Upholstery material, hard wearing.	Reinforced PVC		
f)	Seats cushion and backrest thickness (minimum)	100mm, 50mm	----- mm	

9. STANDARD ACCESSORIES

a)	Heavy duty front fender, fitted	Yes	_____ (Y/N)	
b)	Jack, wheel brace and manufacturer's standard tools, supplied.	Yes	_____ (Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c)	Sun visors supplied 2no.	Yes	_____ (Y/N)	
d)	Rear view mirrors supplied 2no. external, 1no. internal.	Yes	_____ (Y/N)	

e)	FM, MW, SW radio fitted.	Yes	_____ (Y/N)	
f)	CD player fitted.	Yes	_____ (Y/N)	
g)	Any other equipment supplied.	specify		
<b>10 SCREENING EQUIPMENT CHARACTERISTICS AND PERFORMANCE</b>				
i.e.	MAKE )	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes mandatory	_____ (Y/N)	
i.e.	Suitable for car and truck bombs. )	Yes	_____ (Y/N)	
b)	Suitable for illegal drugs, illegal immigrants and stowaways, alcohol, other smuggled goods etc.	Yes specify	_____ (Y/N)	
c)	Suitable for radioactive threats including nuclear devices and dirty bombs.	Yes	_____ (Y/N)	
iii. a.)	Fitted With x-ray screening technology Works by detecting and highlighting low Z material (-that contain low atomic number elements i.e. carbon, hydrogen, oxygen, nitrogen).	Yes Specify and attach literature	_____ (Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

Low Z materials include explosives, drugs, alcohol, tobacco. These items appear bright and well defined in the photo images making it easy to identify hidden organic materials which might be a security threats or contraband. A software is incorporated to assist in refining, analysis and storage of the information			
b) Photo-like imaging	Yes	_____ (Y/N)	
c) Rapid image analysis, fast and more effective	Yes	_____ (Y/N)	
d) Image enhancement software	Yes	_____ (Y/N)	
e) Radiation safety	Yes	_____ (Y/N)	
f) Rapid deployment	Yes	_____ (Y/N)	
g) Manoeuvrability and mobility	Yes	_____ (Y/N)	
h) Covert operation capability, able to analyse images from a safe distance while the van is far and intervene when necessary	Yes	_____ (Y/N)	
i) Operational flexibility i.e. remote or stationary operation	Yes	_____ (Y/N)	
j) High speed , up to 10km/hr drive by scanning capability	Yes	_____ (Y/N)	
k) High through put	Yes	_____ (Y/N)	
l) On board power supply	Yes	_____ (Y/N)	
m) Small foot print	Yes	_____ (Y/N)	
n) No radioactive source	Yes	_____ (Y/N)	
o) Easy operation	Yes	_____ (Y/N)	
p) unobstructive	Yes	_____ (Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
q) Adequate and comprehensive operator, safety and threat detection specialist training as requested by client	Yes	_____ (Y/N)	
r) People scanning (radiation level less than 10 microrem /second at speeds of 1.5km/h or greater and at distance of 1.5m from the scanning side of the equipment.	Yes	_____ (Y/N)	
s) Detection of radioactive threats optional Radioactive threat technology can detect low level radiation even from heavily shielded sources. It identifies both gamma rays and neutron radiation, which could indicate presence of a dirty bomb or nuclear device. Operators alerted to the presence and location instantly via both a display and an audible tone.	Yes Give details n literature	_____ (Y/N)	
t) Complies with radiation safety standards , American National Standards Institute(ANSI) Standard N43.3 or equivalent	Yes (Mandatory) specify	_____ (Y/N) -----	
u) Complies with Kenyan radiation safety standards ,	Yes (Mandatory) specify	_____ (Y/N) -----	
v) All necessary accessories and equipment supplied and fitted to have it providing necessary output and performance	Yes (Mandatory) specify	_____ (Y/N) -----	

#### 11. WARRANTY

a) Each vehicle supplied should carry a statement of warranty.	Yes	_____ (Y/N)	
b) Vehicle warranty min., 40,000 Km or 12 Months whichever occurs first.	specify	Km Months	

12. MANUALS

a)	All literature in English language	Yes	_____ (Y/N)	
b)	Repair Manual, supplied.	1 per Vehicle	_____ (Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Parts catalogue, supplied	One set per vehicle	_____ (Y/N)	
d)	Driver's handbook and service schedule supplied.	1 per Vehicle	_____ (Y/N)	

13. OTHER REQUIREMENT

a)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and to have a certificate from the vehicle inspection centre.	Yes (Mandatory)	_____ (Y/N)	
b)	Vehicle to be inspected by the Chief Mechanical and Transport Engineer / other relevant statutory bodies prior to delivery to the user.	Yes (Mandatory)	_____ (Y/N)	
c)	Vehicle to be registered with the registrar of motor vehicles.	Yes (Mandatory)		
d)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify		
e)	Availability of spare parts	Indicate motor vehicle dealers who stock spare parts.		
f)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify		
g)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act etc.	Yes (Mandatory)	_____ (Y/N)	

Tenderer's Signature

Official stamp.

Date:

**15. REFUSE COMPACTOR TRUCK , 3-6m<sup>3</sup> CAPACITY**

MOT&I/MTD/QMS/1210

<b>SPECIFICATION NO. MTD-2126-014-20</b>			
<b>TENDER'S NAME:</b>		<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>	
<b>DESCRIPTION: REFUSE COMPACTOR TRUCK , 3-6m<sup>3</sup> CAPACITY.</b>			

**TENDERER'S Column to be completed by ALL TENDERERS**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
----------------------	--------------------	-------------------	-------------------

**A. TRUCK (CAB-CHASSIS)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE , AUTHORIZATION AND SPECIFICATIONS SUPPLIED & IN ORIGINAL FORM.	Yes Mandatory	------(Yes/No)	

**1. GENERAL**

a)	A standard production, 4x2, 3-5 ton payload, 4-6 m <sup>3</sup> refuse compactor truck, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new.	Yes	------(Yes/No)	
c)	Designed to light duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Suitable for collecting, compacting and transporting refuse.	Yes	------(Yes/No)	
e)	Control Forward/Normal	Specify	-----	

## 2. DIMENSIONS AND WEIGHTS

a)	Overall length, min.	6,000mm	-----mm	
b)	Overall width, approx.	2,200mm	-----mm	
c)	Overall height, approx.	2,600mm	-----mm	
d)	Wheelbase, approx.	3,300mm	-----mm	
e)	Length of chassis aft of cab, approx.	specify	-----mm	
f)	Kerb weight, approx.	2,500Kg	Kg	
g)	Max. G.V.W, approx.	6,500Kg	Kg	
h)	Payload approx.	3,000-5000Kg	Kg	

## 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Engine performance curves supplied.	Yes	(Y/N)	
e)	Diesel Engine, water cooled, 4 Stroke.	Yes, Yes, Yes	(Y/N)	
f)	Mode of aspiration. (Natural/Turbocharged)	specify		
g)	Piston displacement, approx.	2500 - 5000cc	cc	
h)	Number of cylinders	4		
i)	Maximum power output / rpm, min.	60KW / 3000rpm	KW/rpm	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
j)	Maximum torque developed /rpm, min.	240Nm /1800rpm	Nm/rpm	
k)	Air cleaner type, disposable/ oilbath.	specify		
l)	Oil and fuel filter type	disposable		
m)	Average fuel consumption (on full load)	specify	km/l	
n)	Fuel tank capacity, approx.	60Lt	Lt	

#### 4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)	
b)	Clutch, system actuation, Hydraulic	Yes	------(Yes/No)	
c)	Gearbox, synchromesh.	Yes	------(Yes/No)	

d)	Number of speeds, min.	5F, 1R	-----F/---- R	
e)	Drive configuration.	4x2	----- x-----	

5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c)	Rear tyres.	Dual	-----	
d)	Tires size locally available.	Yes	------(Yes/No)	
e)	Optimum tire size	Specify	-----	
f)	Suspension, front and rear heavy-duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	------(Yes/No)	
b)	Steering Type, Manual / assisted.	Assisted	-----	
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)	
d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Yes/No)	
b)	Battery capacity and size.	Specify	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	

8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	------(Yes/No)	
b)	Laminated (safety) windshield.	Yes	------(Yes/No)	
c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
g)	Any other equipment (or accessories) supplied.	Specify	-----	
h)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
i)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
j)	Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	

**B. REFUSE COLLECTION COMPACTOR BODY**

<b>9. BODY CONSTRUCTION</b>			
a) The requirement is for a fabricated 3-6m <sup>3</sup> capacity refuse collection compactor body type to be mounted on the cab/chassis.	<b>Yes, Yes</b>	_____(Y/N)	
b) Designed to suit the given Truck chassis with minimum capacity.	Yes, 3m <sup>3</sup>	------(Y/N) -----m <sup>3</sup>	
c) Standard manufacturers shape	Yes	------(Yes/No)	
d) Body dimensions approximately,  Length, Width,	4,000mm 2,000mm	-----mm -----mm	
e) Mild steel fabricated smooth sided full width refuse collection body coated with epoxy primer for rust proving	Yes	------(Yes/No)	
f) Fitted with under floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.	Yes	------(Yes/No)	
<b>10 HOPPER</b>			
a) Fitted with a suitable high tensile abrasion resistant Steel hopper for loading/unloading refuse.	Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b) Swept volume capacity min.	0.5m <sup>3</sup>	----- -	
c) Full uncluttered loading width approx	1.2m		

d)	Low rail height, 900mm for manual loading versatile bin lift mounting.	Yes	------(Yes/No)	
e)	Bolt-on rail adaptor for bin lifts	Yes	------(Yes/No)	
f)	With pressed side plates forming integrated channels to guide the packing mechanism /equivalent	Yes	------(Yes/No)	
g)	With integral full height body/hopper seal to prevent liquid leakage from the bottom edge and hopper sides/equivalent	Yes	------(Yes/No)	
h)	Reduced overhang for improved weight distribution and manoeuvrability.	Yes	------(Yes/No)	
<b>11. PACKING MECHANISM</b>				
a)	Fitted with a suitable high tensile abrasion resistant steel packing mechanism / equivalent	Yes	------(Yes/No)	
b)	Slides within hopper channels on low friction self-lubricating bearings/equivalent	Yes	------(Yes/No)	
c)	Cycle time approx.	40seconds	-----	
<b>12. REFUSE EJECTION BARRIER</b>				
a)	Fitted with a barrier face of suitable high tensile abrasion resistant steel forming a smooth and an unobstructed discharge surface.	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	With suitable bearings for guiding the barrier along rails within the body.	Yes	------(Yes/No)	

c)	With multistage double acting hydraulic cylinder for efficient ejection and retraction.	Yes	------(Yes/No)	
<b>13. HYDRAULIC SYSTEM</b>				
a)	Fitted with a barrier face of suitable hydraulic system with PTO mounted electro vacuum actuator with valve in vacuum line. Hydraulic pump 50cc/rev, gear type with max pressure 300bar, closed coupled with P.T.O type	Yes	------(Yes/No)	
b)	Body mounted tank with remote pressure fill with return line filter.	Yes	------(Yes/No)	
c)	Hydraulic system complete with tank 60l , on line return filter, suction filter, level gauge, temperature gauge and breather cap	Yes	------(Yes/No)	
<b>14. ELECTRICAL AND ACCESSORIES</b>				
a)	With interlocks i.e. Automatic body/hopper.to prevent mechanisms from working unless the hopper is fully lowered, load holding valves, operation indicator and high level rear lights etc. to enhance safety	Yes	------(Yes/No)	
f)	Any other equipment.	Yes	------(Yes/No)	

**15. WARRANTY**

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
<b>SPECIFICATION REQUIREMENT TENDERER'S COMPLIANCE</b>				

c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	
----	--	---------	------------------------	--

**16. MANUALS**

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle Mandatory	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle Mandatory	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle Mandatory	------(Yes/No)	

**17. ADDITIONAL REQUIREMENTS**

a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	
c)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No) _____	
d)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____ _____	

Tenderer's Signature

Official stamp.

Date:

## 16. FH

MOR/MTD/QMS/378 SPECIFICATION NO. <b>MTD-1981-391-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: CNC LATHE MACHINE</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
--	---------------	-------------	----------	------------

### 1 GENERAL

a)	A 2axis flatbed CNC lathe machine for turning simple and complex parts more efficiently by utilizing manual CNC modes or combining these modes.	Yes	.....(Y/N)	
b)	Supplied new and unused	Yes	.....(Y/N)	
c)	MAKE	-		
d)	MODEL	-		
e)	COUNTRY OF ORIGIN	-		

### 2 DIMENSIONS

a)	Overall length, approx.	4,000 mm	----- mm	
b)	Overall width, approx.	2,000 mm	----- mm	
c)	Overall height, approx.	2,000 mm	----- mm	
d)	Overall weight, approx.	4,500 Kg	----- Kg	

### 3 PERFORMANCE

a)	Swing Over Bed, min.	650 mm	----- mm	
----	----------------------	--------	----------	--

b)	Swing Over Cross Slide, min.	400 mm	----- mm	
c)	Distance Between centre, min.	3,000 mm	----- mm	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
d)	Max Cutting Diameter, min.	600 mm	----- mm	
e)	Max Cutting Length, min.	3,000 mm	----- mm	
f)	Max. X-axis feed rate, min	3,000 mm/min	----- mm/min	
g)	Max. Z-axis feed rate, min	5,000 mm/min	----- mm/min	
h)	Turret number of tool stations	8 No.	-----	
i)	Spindle speed range, min.	50-1000 rpm	----- rpm	
j)	Chuck size, approx	350 mm	----- mm	
k)	Spindle bore size, approx	100 mm	----- mm	
l)	Machine supplied with operator console which has complete spindle control, spindle lock out key, coolant on/off key.	Yes	.....(Y/N)	
m)	Supplied with controller PC with all necessary operating softwares installed and licences included.	Yes	.....(Y/N)	
n)	Coolant tank enclosed within the base of machines with constant speed to supply continuous cooling to the saw blade.	Yes	.....(Y/N)	
o)	Supplied with all standard accessories necessary for normal working of the equipment.	Yes	.....(Y/N)	
p)	Electric power supply.	380-415 V, 50 Hz, three phase	.....	

#### 4 MANUALS & WARRANTIES

a)	Manufacturer's Authorization letters, literature and specifications supplied (in original colour form) while tendering to support what is filled in specifications	Yes	_____ (Y/N)	
b)	All literature in the English language.	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
c)	To attach Manufacturer's statement of warranty while tendering with supplier proving capability to offer after sales service.	Yes	_____ (Y/N)	

## 5 OTHER REQUIREMENTS

a)	To be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____ (Y/N)	
b)	Supplier to deliver, install, commission and carry out training on usage, calibration and maintenance.	Yes	_____ (Y/N)	
c)	Operator's instruction handbook, parts catalogue supplied.	Yes	_____ (Y/N)	
d)	User to be given all administrative rights to operate the system (if necessary).	Yes	_____ (Y/N)	
e)	Tool box supplied.	Yes	_____ (Y/N)	
f)	Indicate names and physical addresses where after sales service can be obtained.	Specify		

Tenderer's Signature

Official stamp.

Date: \_\_\_\_\_

**17. FF**

<b>SPECIFICATION NO. <u>MTD-2120 -162 -20</u></b>	
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> __
<b>DESCRIPTION: DTH HAMMER 8 INCH</b>	

**TENDERER'S SPECIFICATION Column to be completed by ALL**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
MAKE	-		
MODEL	-		
Country of origin	-		
Manufacturer's literature, authority and specifications supplied along with this tender.	Yes	(Y/N)	

**1. GENERAL**

a)	A conventional production <b>down the hole hammer (DTH)</b> hammer for use in rock drilling.	Yes	Yes	
b)	Supplied as original product.	Yes	Yes	
c)	Authorisation letter from the main dealer attached	Yes	Yes	

**2. PERFORMANCE.**

a)	bit size	8 inches	-----mm	
----	----------	----------	---------	--

b)	Hammer length, approx	1,300 mm	-----mm	
c)	Hammer weight, approx.	170 Kg	-----Kg	
d)	Working pressure range, min.	10-25 bar	-----bar	
e)	Impact frequency, approx.	25 Hz	-----Hz	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	Thread standard.	specify	-----	
<b>3.</b>	<b>HAMMER BIT</b>			
a)	To be supplied with a hammer bit.	Yes	_____(Y/N)	
b)	Bit design.	Concave	-----	
c)	Bit diameter.	270 mm	-----mm	
d)	Bit weight.	107 kg	-----kg	
e)	Bit to have carbide buttons throughout the face.	Yes	_____(Y/N)	

### 3. OTHER REQUIREMENT

a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery.	Yes	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	specify	_____	

Tenderer's Signature

Company rubber stamp

Date:

## 18. ELECTRONIC WHEEL ALIGNMENT MACHINE

MOR/MTD/QMS/442		
<b>SPECIFICATION NO. MTD-1976-391-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: ELECTRONIC WHEEL ALIGNMENT MACHINE</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
k)	MAKE	-		
l)	MODEL	-		
m)	COUNTRY OF ORIGIN	-		
d)	Manufacturer's literature and specifications supplied (in original colour form) to support what is filled in specifications	Yes	.....(Y/N)	

### 1. GENERAL

a)	A universal Electronic 4-Wheel Alignment Machine for adjusting the angles of vehicle wheels so that they are set to the manufacturer's specification.	Yes	.....(Y/N)	
b)	Supplied new and unused	Yes	.....(Y/N)	
c)	Basic wheel alignment geometry that the equipment can measure.	Camber, caster and toe.	..... .....	

### 2. CONSTRUCTION & PERFORMANCE

a)	<b>Wheel Adaptor Clamps</b>			
----	-----------------------------	--	--	--

	<ul style="list-style-type: none"> <li>rim diameter range, min.</li> </ul>	12 – 24 inch	-----inch	
	<ul style="list-style-type: none"> <li>Aluminium alloy construction for light weight handling</li> </ul>	Yes	.....(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
	<ul style="list-style-type: none"> <li>Extended, 4-point clamping tips with thin profiles that fit a variety of custom wheel profiles</li> </ul>	Yes	.....(Y/N)	
	<ul style="list-style-type: none"> <li>Inside and outside tip positioning</li> </ul>	Yes	.....(Y/N)	
b)	<b>Wheel Measuring Head</b>			
	<ul style="list-style-type: none"> <li>To have 4 No. Measuring Heads, each with measuring cameras and an Infra Red sensor</li> </ul>	Yes	.....(Y/N)	
	<ul style="list-style-type: none"> <li>To use wireless connection to each other and to the control panel.</li> </ul>	Yes	.....(Y/N)	
	<ul style="list-style-type: none"> <li>Sensor rechargeable battery voltage.</li> </ul>	6 V, d.c		
	<ul style="list-style-type: none"> <li>Automatic sensor battery charging at the docking station.</li> </ul>	Yes	.....(Y/N)	
	<ul style="list-style-type: none"> <li>continuous operation time, min.</li> </ul>	6 Hrs		
c)	<b>Main Control Consul</b>			
	<ul style="list-style-type: none"> <li>Supplied with controller PC configured with all necessary operating softwares installed and licences included.</li> </ul>	Yes	.....(Y/N)	
	<ul style="list-style-type: none"> <li>A comprehensive database of vehicle specifications upto and including 2013 models.</li> </ul>	Yes	.....(Y/N)	

	• Ability to create customer /vehicle database.	Yes	.....(Y/N)	
	• Microsoft windows operating system	Yes	.....(Y/N)	
	• Hard drive capacity, min	80 GB	-----GB.	
	• RAM capacity, min	1 GB	-----GB.	
	• Processor speed, min.	1.6 GHz		

	SPECIFICATION	REQUIREMENT	TENDERER	COMPLIANCE
			-----GHz.	
	• To have USB port, CDRW/DVD-ROM drive	Yes	.....(Y/N)	
	• 19" colour monitor TFT	Yes	.....(Y/N)	
	• Keyboard with protective cover	Yes	.....(Y/N)	
	• Colour printer	Yes	.....(Y/N)	
	• Supplied with a cabinet for holding the computer, printer and other accessories.	Yes	.....(Y/N)	
d)	<b>Accessories</b>			
	Supplied with steering wheel holder.	Yes	.....(Y/N)	
	Supplied with brake pedal depressor.	Yes	.....(Y/N)	
<u>3.</u>	<u>VEHICLE LIFT</u>			
a)	A 4-post hydraulic vehicle lift, operating by separation of platform and chassis supporter.	Yes	.....(Y/N)	
b)	Make			
c)	Model			
d)	Country of origin			

e)	Max. Lifting capacity, min.	8.0 ton	_____ton	
f)	Max. lift height, min.	1,800 mm	_____mm	
g)	Min. lift height approx	200 mm	_____mm	
h)	Min. width between runways, max.	1,000 mm	_____mm	
i)	Width of runways, min.	500 mm	_____mm	
	Inside width between lift posts, approx	3,500 mm	_____mm	
j)	Inside length between lift posts, approx	5,000 mm	_____mm	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
k)	Overall height approx	3,000 mm	_____mm	
l)	Overall width approx	4,000 mm	_____mm	
m)	Overall length of hoist. (inclusive of loading ramp), approx	7,500 mm	_____mm	
n)	With heavy duty sliding turnplates	Yes	_____(Y/N)	

#### 4. MANUALS & WARRANTIES

a)	Manufacturer's Authorization letters, literature and specifications supplied (in original colour form) while tendering to support what is filled in specifications	Yes	_____(Y/N)	
b)	All literature in the English language.	Yes	_____(Y/N)	
c)	To attach Manufacturer's statement of warranty while tendering with supplier proving capability to offer after sales service.	Yes	_____(Y/N)	

## 5. OTHER REQUIREMENTS

a)	To be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____ (Y/N)	
b)	Supplier to deliver, install (including civil works), commission and carry out training on usage, calibration and maintenance.	Yes	_____ (Y/N)	
c)	Operator's instruction handbook, parts catalogue supplied.	Yes	_____ (Y/N)	
d)	User to be given all administrative rights to operate the system (if necessary).	Yes	_____ (Y/N)	
e)	Tool box supplied.	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER</b>	<b>COMPLIANCE</b>
f)	Indicate names and physical addresses where after sales service can be obtained.	Specify		

Tenderer's Signature

Official stamp.

Date:

### 19. DTH HAMMER 6 INCH

<b>SPECIFICATION NO. <u>MTD-2119 -162 -20</u></b>		
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____	
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____	<b>QTY:</b> __
<b>DESCRIPTION: DTH HAMMER 6 INCH</b>		

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
Country of origin	-		
Manufacturer's literature, authority and specifications supplied along with this tender.	Yes	(Y/N)	

### 1. GENERAL

a)	A conventional production <b>down the hole hammer (DTH)</b> hammer for use in rock drilling.	Yes	Yes	
b)	Supplied as original product.	Yes	Yes	
c)	Authorisation letter from the main oil dealer attached	Yes	Yes	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

### 2. PERFORMANCE.

a)	Minimum bit size	152 mm	-----mm	
b)	Hammer length, approx	1,200 mm	-----mm	
c)	Hammer weight, approx.	95 Kg	-----Kg	
d)	Working pressure range, min.	10-25 bar	-----bar	
e)	Impact frequency, approx.	25 Hz	-----Hz	
f)	Thread standard.	specify	-----	

### 3. HAMMER BIT

a)	To be supplied with a hammer bit.	Yes	_____(Y/N)	
b)	Bit design.	Concave	-----	

c)	Bit diameter.	152 mm	-----mm	
d)	Bit weight.	24 kg	-----kg	
e)	Bit to have carbide buttons throughout the face.	Yes	_____(Y/N)	

**4. OTHER REQUIREMENT**

a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery.	Yes	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	specify	_____	

Tenderer's Signature

Company rubber stamp

Date:

**20. DTH HAMMER 10 INCH**

<b>SPECIFICATION NO. <u>MTD-2121 -162 -20</u></b>	
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> __
<b>DESCRIPTION: DTH HAMMER 10 INCH</b>	

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
Country of origin	-		

Manufacturer's literature, authority and specifications supplied along with this tender.	Yes	(Y/N)	
--	-----	-------	--

### 1. GENERAL

a)	A conventional production <b>down the hole hammer (DTH)</b> hammer for use in rock drilling.	Yes	Yes	
b)	Supplied as original product.	Yes	Yes	
c)	Authorisation letter from the main oil dealer attached	Yes	Yes	

### 2. PERFORMANCE.

a)	Minimum bit size	270 mm	-----mm	
b)	Hammer length, approx	1,700 mm	-----mm	
c)	Hammer weight, approx.	450 Kg	-----Kg	
d)	Working pressure range, min.	10-25 bar	-----bar	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Impact frequency, approx.	25 Hz	-----Hz	
f)	Thread standard.	specify	-----	

### 3. HAMMER BIT

a)	To be supplied with a hammer bit.	Yes	_____(Y/N)	
b)	Bit design.	Concave	-----	
c)	Bit diameter.	270 mm	-----mm	
d)	Bit weight.	107 kg	-----kg	

e)	Bit to have carbide buttons throughout the face.	Yes	_____(Y/N)	
----	--	-----	------------	--

**3. OTHER REQUIREMENT**

a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery.	Yes	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	specify	_____	

Tenderer's Signature

Company rubber stamp

Date:

**21. METAL WORKING LATHE**

MOR/MTD/QMS/397	
<b>SPECIFICATION NO.</b>	<b><u>MTD-1996-398-20</u></b>
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> _____
<b>DESCRIPTION: <u>METAL WORKING LATHE</u></b>	

TENDERER'S Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	-----	
MODEL	-	-----	
COUNTRY OF ORIGIN	-	-----	

Manufacturer's literature and specifications supplied (in original colour form) to support what is filled in specifications	Yes	_____ (Y/N)	
---	-----	-------------	--

### 1. GENERAL

a)	A conventional metalworking centre lathe machine suitable for use for cutting, sanding, knurling, drilling, facing, turning metal at an industrial scale.	Yes	_____ (Y/N)	
b)	Supplied new.	Yes	_____ (Y/N)	

### 2. DIMENSIONS AND WEIGHTS

a)	Overall length, approx.	8,500 mm	----- mm	
b)	Overall width, approx.	4,000 mm	----- mm	
c)	Overall height, approx.	3,000 mm	----- mm	
d)	Weight, approx.	30,000 Kg	----- Kg	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

### 3. PERFORMANCE

a)	Max. distance between centres, min.	8,000 mm	----- mm	
b)	Swing Over Bed, min.	2,000 mm	----- mm	
c)	Swing Over Cross Slide, min.	1,500 mm	----- mm	
d)	Centre height, approx.	650 mm	----- mm	
e)	Spindle speed range.	500 rpm.	----- rpm	
f)	Spindle bore, approx	100 mm	----- mm	
g)	Max. travel of X axis, min.	1,000 mm	----- mm	

h)	Max. travel of Z axis, min.	7,500 mm	----- mm	
i)	Max. workpiece weight between centres, min.	15,000 Kg	----- Kg	
j)	Spindle speed range, approx.	40 - 700 rpm	----- rpm	
k)	Chuck diameter, approx.	1260 mm	----- mm	
l)	Feed speed range, min.	X:0-6,500mm/min Z:0-6,500 mm/min	----- mm/min. ----- mm/min.	
m)	Spindle drive motor rating, approx.	40 KW	----- KW	
n)	A coolant pump fitted to ensure coolant flow	Yes	_____ (Y/N)	
o)	Electric power supply.	380-415V, 50 Hz, 3 phase	-----	

#### 4. MANUALS & WARRANTIES

a)	Manufacturer's Authorization letters, literature and specifications supplied (in original colour form) while tendering to support what is filled in specifications.	Yes	.....(Y/N)	
b)	All literature in the English language.	Yes	_____ (Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	To attach Manufacturer's statement of warranty while tendering with supplier proving capability to offer after sales service.	Yes	_____ (Y/N)	

#### 5. OTHER REQUIREMENTS

a)	To be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____ (Y/N)	
b)	Supplier to install, commission and carry out training on usage and maintenance.	Yes	.....(Y/N)	

c)	Operator's instruction handbook, parts catalogue supplied.	Yes	_____ (Y/N)	
d)	Tool box supplied.	Yes	_____ (Y/N)	
e)	Indicate names and physical addresses where after sales service can be obtained.	Specify		

Tenderer's

Official

Signature \_\_\_\_\_

Stamp \_\_\_\_\_

**22. HIGH PRESSURE LIFTING BAG SET, 20-30T CAPACITY  
MOT&I/MTD/QMS/2130**

<b>SPECIFICATION NO. <u>MTD-2136-398-20</u></b>	
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> __

**~~DESCRIPTION: HIGH PRESSURE LIFTING BAG SET, 20-30T CAPACITY~~**

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, specifications and authority supplied along with this tender.	Yes (Mandatory)	(Y/N)	

1. GENERAL

a)	A Standard production high pressure lifting bag set, 20-30t capacity, of latest design, in current production, marketed in Kenya.	Yes, Yes, Yes	_____(Y/N)	
b)	Supplied new.	Yes, Yes	_____(Y/N)	
c)	Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	
d)	Suitable for rescue operations	Yes	_____(Y/N)	
e)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment/item as per manufacturers design shall be fitted/supplied.	Yes	.....(Y/N)	

2. DIMENSIONS, WEIGHTS AND PERFORMANCE.

a)	Reinforced with a suitable non steel material	Yes, specify	_____(Y/N) -----	
b)	Suitable colour i.e. blue with light reflecting label on 3 corners on top for better visibility in dark environment or equivalent	Yes, specify	_____(Y/N) -----	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	High pressure air cylinder 6litres capacity and working pressure 300bar	specify	_____	
d)	Dual control unit equipped with push buttons for operating 2 lifting bags minimum	Yes	_____(Y/N)	
e)	System working pressure max	8bar	_____	

f)i.	20ton airbag, minimum lifting force 200KN	Yes, specify	_____(Y/N) -----	
ii.	Inflation height min	280mm	_____	
iii.	Dimensions, l x w approx..	500x500mm	_____	
iv.	Weight	7kg	_____	
g)i.	30-32 ton airbag, minimum lifting force 300KN	Yes, specify	_____(Y/N) -----	
ii.	Inflation height min	380mm	_____	
iii.	Dimensions, l x w approx..	650x650mm	_____	
iv.	Weight approx	13kg	_____	
h)	Suitable 2No. hoses 5m each, fitted with push lock connection or equivalent	Yes	_____(Y/N)	
i)	Suitable 1No. pressure reducer suitable for both 200 and 300bar	Yes	_____(Y/N)	

### 3. EQUIPMENT (ACCESSORIES) ETC

a)	Manufacturers complete tools kit supplied	Yes	_____(Y/N)	
b)	Comprehensive standard and specialized Tools/accessories to be supplied with the Equipment.	Specify	_____	

### 4. WARRANTY

a)	Specimen of warranty to be submitted when tendering	Yes, Mandatory	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Equipment/item to carry manufacturers statement of warranty	Yes	_____(Y/N)	
c)	Item warranty, min.	1 year	Years	

5. OTHER REQUIREMENT

a)	The Chief Mechanical and Transport Engineer will inspect item/equipment prior to delivery to the user.	Yes	_____(Y/N)	
b)	Firm' s Status: (Franchise holder/ Dealer/Agent)	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	-----	
d)	Adequate training on the operation and maintenance of machines to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)	

6

MANUALS

a)	All literature in English Language	Yes	_____(Y/N)	
b)	Repair manual supplied	Yes	_____(Y/N)	
c)	Parts catalogue supplied	Yes	_____(Y/N)	
d)	Operators handbook and service schedule Supplied	Yes	_____(Y/N)	

Tenderer's

Official

Signature \_\_\_\_\_

Stamp \_\_\_\_\_

**23. SLUDGE SUCTION TRUCK 6,000 -8,000Lts**

MOT&I/MTD/QMS/1209

SPECIFICATION NO: **MTD- 2125-341-20**

TENDERER'S NAME: _____ NO: _____
TENDER NO: _____ ITEM NO: ____ QTY: _____
DESCRIPTION: <b>SLUDGE SUCTION TRUCK 6,000 -8,000Lts</b>
TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**A. TRUCK (CHASSIS AND ENGINE)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	

**1. GENERAL**

i) A standard production, sludge suction truck of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)	
ii) Supplied new, unused.	Yes (Mandatory)	(Y/N)	
iii) Designed to heavy-duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
iv) Suitable for septic manhole cleaning and other related services.	Yes	(Y/N)	
v) Letter of Authorisation from the equipment manufacturer	Yes (Mandatory)	(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**2. DIMENSIONS AND WEIGHTS**

i)	Overall length, approx .	7,500 mm	mm	
ii)	Overall width, approx.	2,500 mm	mm	
iii)	Overall height with body, approx.	3,000 mm	mm	
iv)	Wheelbase, approx.	4,000 mm	mm	
v)	Ground clearance,	200 mm	mm	
vi)	Max. G.V.W. allowable.	15,000 Kg	Kg	
vi)	Payload.	7,000 -8,000Kg	Kg	

### 3. ENGINE

i)	Make	-	-----	
ii)	Model	-	-----	
iii)	Country of origin	-	-----	
iv)	Engine performance curves supplied	Yes (Mandatory)	----- (Yes/No)	
v)	Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	----- (Yes/No)	
vi)	Mode of aspiration. Turbocharged	Yes (Mandatory)	----- (Yes/No)	
vii)	Piston displacement, approx.	5,000 – 10,000cc	_____ cc	
viii)	Number of cylinders .	6	_____N o.	
ix)	Maximum power output, (kW), min.	160HP/2800Rpm	_____	
x)	Torque, Nm/Rpm	500Nm/1700 Rpm	----- Nm/Rpm	
xi)	Engine speed at which max. power is obtained.	Specify	_____ rpm	

xii)	Air cleaner type, disposable/oil bath	Specify	_____	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
xiii)	Oil and fuel filter type	Disposable	_____	
xiv)	Average fuel consumption (on full load)	Specify	_____l/km	
xv)	Fuel tank capacity, approx.	200Lt	_____ Lt	

#### 4. CLUTCH AND TRANSMISSION

i)	Clutch, dry type, single plate	Yes, Yes	_____(Yes/No)	
ii)	Clutch, system actuation.	Hydraulic	_____	
iii)	Gearbox: manual	Yes	_____(Yes/No)	
iv)	Drive configuration, 4x2	Yes	_____(Yes/No)	

#### 5. BRAKES, TYRES.

i)	Independent system ABS	Yes, Yes	(Y/N)	
ii)	Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes	(Y/N)	
iii)	Service brake: Disc brakes at front and drum at the rear axle	Yes	(Y/N)	
iv)	Engine brake: Low-noise exhaustbrake.	Yes	(Y/N)	
v)	Tyres: Specify front and rear sizes	Specify		

#### 6. SUSPENSION AND STEERING

i)	Shock absorbers: front and rear axles. Front axle design capacity sufficient for the vehicles load. Rear axles: design capacity sufficient for the vehicles load	Yes	(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
ii)	Springs: Parabolic springs on front axles. Multi leaf on rear axle.	Specify front & rear		
iii)	Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal	Yes	(Y/N)	
iv)	Right hand drive steering.	Yes mandatory	(Y/N)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

i)	System voltage, negative earth, with alternator power 28 V, 80 A.	specify		
ii)	Battery capacity.	140AH, 2x12V.		
ii)	Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	
iii)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)	

#### 8. EQUIPMENT ETC.

i)	Heavy-duty type front fender.	Yes	_____(Yes/No)	
ii)	Laminated (safety) windshield.	Yes	_____(Yes/No)	
iii)	Sunvisors supplied.	Yes, 2 No.	_____(Yes/No)	

iv)	Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
v)	Spare wheel with carrier.	Yes	_____(Yes/No)	
vi)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____(Yes/No)	
<b>SPECIFICATION</b>			<b>REQUIREMENT</b>	<b>TENDERER'S</b>
				<b>COMPLIANCE</b>

## B CABIN

i)	Wide single cabin in all steel construction, with hydraulic tilting mechanism, for a crew of 3 persons (1 driver plus 2 or more sanitation staff).	Yes	(Y/N)	
ii)	The cab shall be adequately insulated against noise, vibration and extreme temperatures. All labels and plates in the cab shall be in English language  i) Doors: Two lockable doors, with roll – down windows	<b>Yes</b>  Yes	(Y/N)  (Y/N)	
iii)	Dashboard: The dashboard shall be equipped with all necessary gauges, pilot lamps and switches for operation of the chassis	Yes	(Y/N)	
iv)	Controls: Control and pilot lamp PTO engaged/disengaged.	Yes	(Y/N)	

## C CONTAINER

i)	Tank capacity,.	6,000-8,000lts	----- Ltr	
----	-----------------	----------------	-----------	--

ii)	Design: The standard design of the tank shall be cylindrical container and the water tank shall be mounted completely torsion free and shall be suitable for even roughest cross – country operation	Yes	----- (Y/N)	
iii)	Material: It shall be made of high quality steel, material thickness 5mm, and shall be absolutely corrosion resistant.	<b>Yes</b> (Mandatory)	----- (Y/N)	

#### D CONTAINER DISCHARGE

i)	The discharge shall be by free outflow at the back It shall include an additional discharge with pressure by the vacuum pump	Yes	----- (Y/N)	
<b>SPECIFICATION</b>			<b>REQUIREMENT</b>	<b>TENDERER'S</b>
				<b>COMPLIANCE</b>

#### E DISCHARGE FLAP

i)	The discharge flap shall be sidemounted solid door over the complete cross section.	Yes	----- (Y/N)	
ii)	There shall be a connection between the door and tank with oil-proof gasket The door to be opened and closed manually	Yes	----- (Y/N)	

#### F OUTFLOW DEVICE:

i)	Material : The outflow device constructed of galvanised sheet steel, and located below the discharge flap	Yes	----- (Y/N)	
----	---	-----	----------------	--

#### G CONTROL OF FILLING THE MUD CHAMBER

i)	The filling of the mud chamber controlled with the aid of a floating ball scale	Yes	----- (Y/N)	
----	---	-----	----------------	--

#### H SUCTION AND DISCHARGE CONNECTION

i)	Location: The suction and discharge connection shall be located in the top and lower part of the discharge flap and have a manual valve etc	Yes	----- (Y/N)	
----	---	-----	----------------	--

**I VACUUM PUMP**

i)	Type: With a suction capacity: 500 lt/min Cooling: Circulation pump and vane cooler with fan for continuous operation/equivalent	Specify make, model, type	-----	
----	---	---------------------------	-------	--

**J VACUUM PUMP DRIVE**

i)	Design: The vacuum pump shall be of the auxiliary drive of the chassis over drive shafts with V-belt drive(P.T.O)/equivalent with a tightening device and protective cover It shall be complete with a maintainable structure, well accessible, with simple clamping device	<b>Yes</b> specify	----- (Y/N)	
----	---	-----------------------	----------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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**K SAFETY SYSTEM FOR THE VACUUM PUMP**

i)	Design: Suction dome with integrated protection against overfilling (floating ball) to the evacuation of the mud chamber	Yes	----- (Y/N)	
ii)	A centrifugal separator with baffle plates and filter inset as well as ball stop valve	Yes	----- (Y/N)	
iii)	Manual possibility to switch to 'suction', 'venting', and 'pressurization'	Yes	----- (Y/N)	
iv)	Other safety features	specify		

**L BODY CONSTRUCTION AND OTHER FITTINGS**

i)	Construction: The design of the body shall increase the mobility of the vehicle, shall reduce the weight for the material, shall lower the centre of gravity and shall offer better corrosion resistance.	Yes	----- (Y/N)	
ii)	Design: The bodywork shall be designed in such a way as to allow maximum accessibility to all areas to be serviced and inspected. Provision shall be made for all major vehicle components to be removed in an easy way. For this purpose, lifting eyes shall be provided wherever feasible. This shall ensure that removal and replacement do not entail unacceptable downtime	Yes	----- (Y/N)	
iii)	Control Console: The control console shall be mounted fixed at the rear right end of the hose container It shall be equipped with engine steering power (power $\pm$ ), revolution	Yes	----- (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	counter, vacuum manometer and emergency stop			
iv)	Access: A ladder, mounted in vehicle's rear, shall give access to the working deck. Comes with light alloy step protection. Hand grips where necessary.	Yes	----- (Y/N)	
v)	Hydraulic unit: The hydraulic unit shall be a gear wheel pump with a servo operated valve /equivalent	Yes	----- (Y/N)	

vi)	Under body protection and Mud Guards: The engine shall have under driving protection and the rear wheels shall have mud guards made of galvanized steel Splash boards shall be installed	Yes	----- (Y/N)	
vii)	Hose Container: The hoses shall be stored in an open container constructed of aluminium /alloy material on the right and left hand side of the tank	Yes	----- (Y/N)	

### M ELECTRICAL EQUIPMENT

i)	Traffic installation as per Kenya Traffic Regulations, two 24V, 70W (One at superstructure front, one in the rear of superstructure) Illumination: Lighting system for the interior of the cab and rear. Automatic switching on when doors will be opened	2 No. spot lights	----- (Y/N)	
		Yes	----- (Y/N)	

### N FINISH

	Superstructure: One color painted on acryl basis  <ul style="list-style-type: none"> <li>• Standard color after customers request</li> <li>• 2 x Priming coat</li> </ul>	Yes (Mandatory)	----- (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

<ul style="list-style-type: none"> <li>• 1 x Covering Varnish</li> </ul> <p>Reflecting foil in front and rear of the vehicle</p> <p>Rust: Protection of the under part and substructures with bitumen base coating.</p> <p>Protection: The interior of all steel profiles shall be treated with anti – corrosion tar</p> <p>Logo: in simple letters, as per clients specifications.</p>			
<p><b><u>DOCUMENTATION</u></b></p> <ul style="list-style-type: none"> <li>- 2 sets of instruction books for chassis/equipment</li> <li>- 2 sets of operation/service manuals and spare parts catalogues for superstructure</li> <li>- All manuals are in English Language</li> <li>- All instructions are in English language where pictographs do not serve the purpose</li> </ul>	<p>Yes (Mandatory)</p>	<p>----- (Y/N)</p>	

Tenderer's  
Signature \_\_\_\_\_

Company's  
Rubber Stamp \_\_\_\_\_

**24. STREET LIGHT MAINTENANCE (TELESCOPIC AERIAL LIFT) TRUCK, 4X2, 3-5 TON**

MOT&I/MTD/QMS/452

<p><b>SPECIFICATION NO. MTD-1869-014-20</b></p>		
<p><b>TENDER'S NAME:</b></p>	<p><b>NO:</b></p>	
<p><b>TENDER NO:</b></p>	<p><b>ITEM NO:</b></p>	<p><b>QTY:</b></p>

**DESCRIPTION: STREET LIGHT MAINTENANCE (TELESCOPIC AERIAL LIFT) TRUCK, 4X2, 3-5 TON.**

**TENDERER'S Column to be completed by ALL TENDERERS**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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**A. TRUCK (CAB-CHASSIS)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORIZATION AND SPECIFICATIONS SUPPLIED & IN ORIGINAL FORM.	Yes Mandatory	------(Yes/No)	

**1. GENERAL**

a)	A standard production, street light maintenance (telescopic aerial lift), truck, 4x2, 3-5 ton payload, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new, unused.	Yes	------(Yes/No)	
c)	Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>	
d)	Suitable for maintaining, repairing and changing street lights (Street lighting projects).	Yes	------(Yes/No)	

e)	Suitable for operating high lifting bucket	Yes	------(Yes/No)	
f)	Control Forward/Normal	Specify	-----	
g)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	

## 2. DIMENSIONS AND WEIGHTS

a)	Overall length approx.	6,500mm	-----mm	
b)	Overall width, approx.	2,200mm	-----mm	
c)	Overall height approx.	3,000mm	-----mm	
d)	Wheelbase, approx.	3,800mm	-----mm	
e)	Length of chassis aft of cab, approx.	5,000mm	-----mm	
f)	Kerb weight (excluding body), approx.	2,500Kg	-----kg	
g)	G.V.W, approx.	6,500kg	-----kg	
h)	Payload cab chassis, approx.	3000-5,000Kg.	-----ton	
i)	Ground clearance approx.	200mm	-----mm	
j)	Rear overhang approx	1200mm	-----mm	

## 3. ENGINE

a)	Model	-		
b)	Country of origin	-		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Engine performance curves supplied.	Yes	------(Yes/No)	
d) Diesel Engine, water-cooled, 4 Stroke.	Yes, Yes, Yes	------(Yes/No)	
e) Mode of aspiration. (Natural/Turbocharged)	Specify	-----	
f) Piston displacement, approx.	4,000-5,000cc	-----cc	
g) Number of cylinders, min.	4/6	-----no.	
h) Maximum power output / rpm, min.	130HP / 3000rpm	-----HP/rpm	
i) Maximum torque developed /rpm, min.	240Nm /1800rpm	-----Nm/rpm	
j) Air cleaner type, disposable/ oil bath.	Specify	-----	
k) Oil and fuel filter type	Disposable	-----	
l) Average fuel consumption (on full load)	Specify	-----km/l	
m) Fuel tank capacity, approx.	100Lt	-----Lt	
n) Extra fuel tank fitted Capacity	Yes Specify	------(Yes/No) -----Lt	

#### 4. CLUTCH AND TRANSMISSION

a) Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)	
b) Clutch, system actuation, Hydraulic	Yes	------(Yes/No)	
c) Gearbox, synchromesh.	Yes	------(Yes/No)	
d) Number of speeds, min.	5F, 1R	-----F/---- R	

e)	Drive configuration.	4x2	----- x-----	
----	----------------------	-----	--------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c)	Rear tyres.	Dual	-----	
d)	Tires size locally available.	Yes	------(Yes/No)	
e)	Optimum tire size	Yes	------(Y/No )	
f)	Suspension, front and rear heavy-duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes (Mandatory)	------(Yes/No)	
b)	Steering Type	Assisted	-----	
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)	
d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Yes/No)	
----	---------------------------------	----------	----------------	--

b)	Battery capacity and size.	Specify	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	------(Yes/No)	
b)	Laminated (safety) windshield.	Yes	------(Yes/No)	
c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
g)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
h)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
i)	Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	
j)	Chevrons, hazard triangles, first aid kit KS-2094-2007, 5kg fire extinguisher supplied and fitted.	Yes	------(Yes/No)	

k)	Any other equipment (or accessories) supplied.	Specify	-----	
----	--	---------	-------	--

**B. TELESCOPIC AERIAL LIFT BODY.**

<b>9. BODY CONSTRUCTION</b>			
a)	All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes	----- (Y/N)
b)	All body construction and installations to comply with the chassis manufacturer's specifications.	Yes	----- (Y/N)

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Body dimensions approx, Length Width height	5,000mm 2,200mm 600mm	-----mm -----mm -----mm	
d)	High tensile steel fabricated smooth low sided full width body, 3.2mm thick.	Yes	------(Yes/No)	
e)	Body floor fabricated from 3.2mm thick mild steel plate chequered and reinforced at equal distances with box/channel sections.	Yes	----- (Y/N)	
f)	Drop tailgate and sides, suitably reinforced.	Yes	----- (Y/N)	
g)	Suitable size tool box to be fitted on the body.	Yes	----- (Y/N)	
h)	Suitable size access steps fitted on the rear body	Yes	----- (Y/N)	
<b>10</b>	<b>AERIAL LIFT EQUIPMENT.</b>			
a)	Make	-		

b)	Model	-		
c)	Country of origin	-		
d)	Manufacturer's literature, authorization and specifications supplied & in original form.	Yes Mandatory	------(Yes/No)	
e)	Platform to meet all relevant international standards	Yes Mandatory	------(Yes/No)	
f)	Platform is hydraulic type and operated from truck PTO.	Yes	------(Yes/No)	
g)	Aerial platform capacity minimum.	200kgs	-----kgs	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
h)	Platform to accommodate 2persons	Yes Mandatory	------(Yes/No)	
i)	Maximum Working height min.	15m	-----m	
j)	Outreach min.	6m	-----m	
k)	With 360 <sup>0</sup> continuous swing	Yes	------(Yes/No)	
l)	With 4No. hydraulically operated outriggers	Yes	------(Yes/No)	
m)	With electro-hydraulic controls operated in the deck and also in the aerial platform.	Yes	------(Yes/No)	

n)	Complete hydraulic system with boom, pump, cylinders, pipes, sensors, gauges, controls etc.	Yes Mandatory	------(Yes/No)	
o)	Rated P.T.O pump output pressure approx,	200bars	-----	
p)	High performance hydraulic seals	Yes	------(Yes/No)	
q)	Side panels at bottom of platform to prevent equipment spillage.	Yes	------(Yes/No)	
r)	Guard rail pipe fitted	Yes	------(Yes/No)	
s)	Platform to be GRP reinforced type	Yes	------(Yes/No)	
t)	System to deploy within 40seconds	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
u)	Platform to be fully insulated to min .1000V	Yes	------(Yes/No)	
v)	4 point safety harness for 2persons fitted	Yes	------(Yes/No)	
w)	High voltage alert system fitted.	Yes	------(Yes/No)	
x)	Sound warning tone fitted	Yes	------(Yes/No)	
y)	Visual warning fitted	Yes	------(Yes/No)	
z)	Detection range 50m	Yes	------(Yes/No)	
Zi)	Hour meter fitted	Yes	------(Yes/No)	

### 11. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	

### 12. MANUALS

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle Mandatory	------(Yes/No)	

### 13. ADDITIONAL REQUIREMENTS

a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	
c)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No)  _____	

d) Availability of spares.	Indicate motor vehicle dealers who stock spare parts.	_____	_____
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____	_____

Tenderer's Signature

Official stamp.

Date:

**25. STREET LIGHT MAINTENANCE (TELESCOPIC AERIAL LIFT), 4X2, 10TON**  
MOT&I/MTD/QMS/452

<b>SPECIFICATION NO. MTD-1870-014-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: <u>STREET LIGHT MAINTENANCE (TELESCOPIC AERIAL LIFT) TRUCK, 4X2, 10TON</u></b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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**A. TRUCK (CAB-CHASSIS)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		

MANUFACTURER'S LITERATURE, AUTHORIZATION AND SPECIFICATIONS SUPPLIED .	Yes Mandatory	------(Yes/No)	
--	---------------	----------------	--

1. GENERAL

a)	A standard production, street light maintenance (telescopic aerial lift), , 4x2, truck, 10Ton of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new, unused.	Yes	------(Yes/No)	
c)	Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	
d)	Suitable for maintaining, repairing and changing street lights (Street lighting projects).	Yes	------(Yes/No)	
e)	Suitable for operating high lifting bucket	Yes	------(Yes/No)	
f)	Control Forward/Normal	Specify	-----	
g)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

2. DIMENSIONS AND WEIGHTS

a)	Overall length approx.	8,000mm	-----mm	
----	------------------------	---------	---------	--

b)	Overall width, approx.	2,400mm	-----mm	
c)	Overall height approx.	2,600mm	-----mm	
d)	Wheelbase, approx.	4,500mm	-----mm	
e)	Length of chassis aft of cab, approx.	6,000mm	-----mm	
f)	Kerb weight , approx.	5,500Kg	-----kg	
g)	G.V.W, approx.	15,000kg	-----kg	
h)	Payload cab chassis.	10,000Kg.	-----ton	
i)	Ground clearance approx.	200mm	-----mm	
j)	Rear overhang approx	2,200mm	-----mm	

### 3. ENGINE

a)	Model	-		
b)	Country of origin	-		
c)	Engine performance curves supplied.	Yes	------(Yes/No)	
d)	Diesel Engine, water-cooled, 4 Stroke.	Yes, Yes, Yes	------(Yes/No)	
e)	Mode of aspiration. (Natural/Turbocharged)	Specify	-----	
f)	Piston displacement, approx.	4,000-5,000cc	-----cc	
g)	Number of cylinders, min.	4	-----no.	
h)	Maximum power output / rpm, min.	150HP / 3000rpm	-----HP/rpm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
i)	Maximum torque developed /rpm, min.	500Nm /1800rpm	-----Nm/rpm	
j)	Air cleaner type, disposable/ oil bath.	Specify	-----	
k)	Oil and fuel filter type	Disposable	-----	
l)	Average fuel consumption (on full load)	Specify	-----km/l	
m)	Fuel tank capacity, approx.	200Lt	-----Lt	
n)	Extra fuel tank fitted Capacity	Yes Specify	------(Yes/No) -----Lt	

#### 4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)	
b)	Clutch, system actuation, Hydraulic	Yes	------(Yes/No)	
c)	Gearbox, synchromesh.	Yes	------(Yes/No)	
d)	Number of speeds, min.	5F, 1R	-----F/---- R	
e)	Drive configuration.	4x2	----- x-----	

#### 5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c)	Rear tyres.	Dual	-----	
d)	Tires size locally available.	Yes	------(Yes/No)	
e)	Optimum tire size, 900R20	Specify	-----	

f)	Suspension, front and rear heavy-duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	
----	--	----------	----------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes (Mandatory)	------(Yes/No)	
b)	Steering Type	Assisted and adjustable	-----	
c)	All steel, spacious cab to seat 3 people including driver comfortably.	Yes, Yes	------(Yes/No)	
d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Yes/No)	
b)	Battery capacity and size.	120AH	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	

8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	------(Yes/No)	
b)	Laminated (safety) windshield.	Yes	------(Yes/No)	

c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted on truck.	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
g)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
h)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
i)	Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	
j)	Chevrons, hazard triangles, first aid kit KS-2094-2007, 5kg fire extinguisher supplied and fitted.	Yes, Mandatory	------(Yes/No)	
k)	FM radio with MP3 and 2 speakers	Yes	----- (Y/N)	
l)	Any other equipment (or accessories) supplied.	Specify	----- ---	

**B. TELESCOPIC AERIAL LIFT BODY.**

<b>9.</b>	<b>BODY CONSTRUCTION</b>			
a)	To be locally assembled and fitted	Yes, Mandatory	------(Yes/No)	
b)	Specify local body builder to do body building and fitting	Specify	----- ---	

c)	All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes	----- (Y/N)	
d)	All body construction and installations to comply with the chassis manufacturer's specifications.	Yes	----- (Y/N)	
e)	Body dimensions approx, Length Width Height High sided body/frame pipe structure height	6,000mm 2,300mm 550mm 2200mm	-----mm -----mm -----mm -----mm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	High tensile steel fabricated smooth low sided full width body, 3.2mm thick.	Yes	----- (Yes/No)	
g)	Body floor fabricated from 3.2mm thick mild steel plate chequered and reinforced at equal distances with box/channel sections.	Yes	----- (Y/N)	
h)	Drop tailgate and sides, suitably reinforced.	Yes	----- (Y/N)	
i)	Suitable size tool box to be fitted on the body.	Yes	----- (Y/N)	
j)	Suitable size access steps fitted on the rear body	Yes	----- (Y/N)	
<b>10</b>	<b>AERIAL LIFT EQUIPMENT.</b>			
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		

d)	Manufacturer's literature, authorization and specifications supplied.	Yes Mandatory	------(Yes/No)	
e)	Platform to meet all relevant international standards	Yes Mandatory	------(Yes/No)	
f)	Platform is hydraulic type and operated from truck PTO.	Yes	------(Yes/No)	
g)	Aerial platform capacity minimum.	200kgs	-----kgs	
h)	Platform to accommodate 2persons	Yes Mandatory	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
i)	Maximum Working height min.	14m	-----m	
j)	Outreach min.	8m	-----m	
k)	Bucket rotation	+/-90 <sup>0</sup>	-----	
l)	With 4No. hydraulically operated outriggers	Yes	------(Yes/No)	
m)	With electro-hydraulic controls operated in the deck and also in the aerial platform.	Yes	------(Yes/No)	
n)	Complete hydraulic system with boom, pump, cylinders, pipes, sensors, gauges, controls etc.	Yes Mandatory	------(Yes/No)	

o)	Rated P.T.O pump output pressure approx,	200bars	-----	
p)	High performance hydraulic seals	Yes	------(Yes/No)	
q)	Side panels at bottom of platform to prevent equipment spillage.	Yes	------(Yes/No)	
r)	Guard rail pipe fitted	Yes	------(Yes/No)	
s)	Platform to be GRP reinforced type	Yes	------(Yes/No)	
t)	System to deploy within 40seconds	Yes	------(Yes/No)	
u)	Platform to be fully insulated to min .1000V	Yes	------(Yes/No)	
v)	4 point safety harness for 2persons fitted	Yes	------(Yes/No)	
w)	High voltage alert system fitted.	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
x)	Sound warning tone fitted	Yes	------(Yes/No)	
y)	Visual warning fitted	Yes	------(Yes/No)	
z)	Detection range 50m	Yes	------(Yes/No)	
Zi)	Hour meter fitted	Yes	------(Yes/No)	

#### 11. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	

c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	
----	--	---------	------------------------	--

## 12. MANUALS

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle Mandatory	------(Yes/No)	

## 13. ADDITIONAL REQUIREMENTS

a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	
c)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No) _____	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____ _____	

Tenderer's Signature

Official stamp.

Date:

**26. STREET LIGHT MAINTENANCE (TELESCOPIC AERIAL LIFT) TRUCK, 4X2, 1-1.5 TON**

MOT&I/MTD/QMS/1500

<b>SPECIFICATION NO. MTD-2554-014-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: <u>STREET LIGHT MAINTENANCE (TELESCOPIC AERIAL LIFT) LIGHT TRUCK, 4X2, 1-1.5 TON.</u></b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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**A. TRUCK (CAB-CHASSIS)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	------(Yes/No)	

1. **GENERAL**

a)	A standard production, street light maintenance (telescopic aerial lift), truck, 4x2, 1-1.55 ton payload, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new, unused.	Yes (Mandatory)	(Y/N)	
c)	Designed to light duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
d)	Suitable for maintaining, repairing and changing street lights (Street lighting projects).	Yes	------(Yes/No)	
e)	Suitable for working over height or over obstacles  /operating high lifting bucket	Yes	------(Yes/No)	
f)	Any items not included in this specification but which  are deemed necessary for efficient or improved	Yes (Mandatory)	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	operation of the equipment shall be fitted/supplied.			
g)	Control Forward/Normal	Specify	-----	
2	<b>DIMENSIONS AND WEIGHTS</b>			

a)	Overall length, approx.	4,400 mm	mm	
b)	Overall width, approx.	1,600 mm	mm	
c)	Overall height with body, approx.	1,800 mm	mm	
d)	Wheelbase, approx.	2,300 mm	mm	
e)	Ground clearance,	170 mm	mm	
f)	Max. G.V.W. approx	2,500 Kg	Kg	
g)	Payload.	1,000 -1,500Kg	Kg	

3. ENGINE

a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	
d)	Engine performance curves supplied	Yes (Mandatory)	------(Yes/No)	
e)	Diesel Engine, water cooled, 4 stroke	Yes	------(Yes/No)	
f)	Mode of aspiration. Turbocharged	Yes (Mandatory)	------(Yes/No)	
g)	Piston displacement, approx.	1,200 – 2,000cc	_____ cc	
h)	Number of cylinders.	2-4	_____No.	
i)	Maximum power output, (kW), min.	50HP/3300Rpm	_____	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
j)	<b>Torque, Nm/Rpm min.</b>	<b>150Nm/1600 Rpm</b>	----- <b>Nm/Rpm</b>	

k)	Engine speed at which max. Power is obtained.	Specify	_____ rpm	
l)	Air cleaner type, disposable/oil bath	Specify	_____	
m)	Oil and fuel filter type	Disposable	_____	
n)	Average fuel consumption (on full load)	Specify	_____ l/km	
o)	Fuel tank capacity, approx.	40Lt	_____ Lt	
<b>4. CLUTCH AND TRANSMISSION</b>				
	Oil and fuel filter type	Disposable	-----	
a)	Clutch, dry type, single plate	Yes, Yes	_____(Yes/No)	
b)	Clutch, system actuation.	Hydraulic	_____	
c)	Gearbox: manual	Yes	_____(Yes/No)	
d)	Drive configuration, 4x2	Yes	_____(Yes/No)	
<b>5. BRAKES, TYRES.</b>				
	Clutch, dry type, single plate.	Yes, Yes	----- (Yes/No)	
a)	Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes specify	(Y/N) -----	
b)	Service brake: Disc brakes at front and drum at the rear axle	Yes specify	(Y/N) -----	
c)	Tyres: Specify front and rear sizes	185R14-8PR		
6.	<b>SUSPENSION AND STEERING</b>	4x2	----- x-----	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a)	Springs: Leaf springs with shocks on front and rear axles.	specify		
b)	Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal	Yes specify	(Y/N) -----	
c)	Right hand drive steering.	Yes mandatory	(Y/N)	
7.	<b>ELECTRICAL SYSTEM AND INSTRUMENTS</b>	Dual	-----	
a)	<b>System voltage, negative earth, with alternator power 24 V, 45 A.</b>	specify		
b)	Battery capacity.	65AH, 2x12V.	-----	
c)	Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc	Yes	(Y/N)	
8.	<b>EQUIPMENT ETC.</b>			
a)	Heavy-duty type front fender.	Yes	_____(Yes/No)	
b)	Laminated (safety) windshield.	Yes	_____(Yes/No)	
c)	Sun visors supplied.	Yes, 2 No.	_____(Yes/No)	
d)	Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
e)	Spare wheel with carrier.			
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____(Yes/No)	

9

**TELESCOPIC AERIAL LIFT BODY.**

<b>9. BODY CONSTRUCTION</b>				
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a)	All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes	----- (Y/N)	
b)	All body construction and installations to comply with the chassis manufacturer's specifications.	Yes	----- (Y/N)	
c)	Body dimensions approx, Length Width height	2,500mm 1,500mm 400mm	-----mm -----mm -----mm	
d)	High tensile steel fabricated smooth low sided full width body, 3.2mm thick.	Yes	----- (Yes/No)	
e)	Body floor fabricated from 3.2mm thick mild steel plate chequered and reinforced at equal distances with box/channel sections.	Yes	----- (Y/N)	
f)	Drop tailgate and sides, suitably reinforced.	Yes	----- (Y/N)	
g)	Suitable size tool box to be fitted on the body.	Yes	----- (Y/N)	
h)	Suitable size access steps fitted on the rear body	Yes	----- (Y/N)	
<b>10 AERIAL LIFT EQUIPMENT.</b>				
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		

d)	Manufacturer's literature, authorization and specifications supplied & in original form.	Yes Mandatory	------(Yes/No)	
e)	Platform to meet all relevant international standards	Yes	------(Yes/No)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
		Mandatory specify	-----	
f)	Platform is hydraulic type and operated from truck PTO.	Yes	------(Yes/No)	
g)	Aerial platform capacity minimum.	90kgs	-----kgs	
h)	Platform to accommodate 1person, total weight 90kgs	Yes	------(Yes/No)	
i)	Maximum Working height min.	9m	-----m	
j)	Outreach min.	3.5m	-----m	
k)	With 360 <sup>0</sup> continuous swing	Yes	------(Yes/No)	
l)	With 4No. powerful hydraulically operated outriggers, with wide foot print to protect vehicle from toppling down.  over travel and swivel pads provided in the stabilizers to level the vehicle on uneven ground	Yes specify	------(Yes/No) -----	
m)	With electro-hydraulic controls operated in the deck and also in the aerial platform.	Yes	------(Yes/No)	

n)	Complete hydraulic system with boom, pump, cylinders, pipes, sensors, gauges, controls, emergency hand pump etc.	Yes Mandatory	------(Yes/No)	
o)	Rated system pressure approx,	170bars	-----	
p)	High performance hydraulic seals	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
q)	Side panels at bottom of platform to prevent equipment spillage.	Yes	------(Yes/No)	
r)	Guard rail pipe fitted	Yes	------(Yes/No)	
s)	Platform to be GRP reinforced type, with water drain holes	Yes	------(Yes/No)	
t)	System to deploy within 50seconds	specify	-----	
u)	Platform to be fully insulated to min .600V (tested to 2200v)	Yes	------(Yes/No)	
v)	4 point safety harness for 1 persons fitted	Yes	------(Yes/No)	
w)	High voltage alert system fitted.	Yes	------(Yes/No)	
x)	Sound warning tone fitted	Yes	------(Yes/No)	
y)	Visual warning fitted	Yes	------(Yes/No)	
z)	Detection range 50m	Yes	------(Yes/No)	
Zi)	Hour meter fitted	Yes	------(Yes/No)	
Zii)	Cage size, 660x760x860mm	specify		

Ziii)	Hydraulic system has lock valves on all rams to protect against hose failure. give other safety features inbuilt in the system	Yes Mandatory	------(Yes/No)	
-------	--	------------------	----------------	--

**11. WARRANTY**

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c)	Warranty duration min., 12 Months or 50,000 Km whichever occurs first.	Specify	-----Km -----Months	

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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**12. MANUALS**

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle Mandatory	------(Yes/No)	

**13. ADDITIONAL REQUIREMENTS**

a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	

c)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No)  _____	
d)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____	

Tenderer's Signature

Official stamp.

Date:

**27. LIGHT TRUCK, 4x2, 3 - 5 TON, CAR CARRIER/TRANSPORTER**

MOT&I/MTD/QMS/1537

<b>SPECIFICATION NO. MTD-2581-014-20</b>
<b>TENDER'S NAME:</b> _____ <b>NO:</b> _____
<b>TENDER NO:</b> _____ <b>ITEM NO:</b> _____ <b>QTY:</b> ____
<b>DESCRIPTION: LIGHT TRUCK, 4x2, 3 - 5 TON, CAR CARRIER/TRANSPORTER.</b>
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
<b>A. CAB-CHASSIS.</b>			
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		

MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes Mandatory	------(Y/N)	
<b>1. GENERAL</b>			
a) A Standard production, 4x2, 3-5 ton payload, car carrier truck/ vehicle transporter of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Y/N)	
b) Supplied new.	Yes	------(Y/N)	
c) Designed to light duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Y/N)	
d) Suitable for loading and transporting vehicles.	Yes	------(Y/N)	
e) Control Forward/Normal	Specify		
<b>2. DIMENSIONS AND WEIGHTS</b>			
a) Overall length, min.	6,000mm	----- mm	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b) Overall width, approx.	2,000mm	----- mm	
c) Overall height, approx.	2,200mm	----- mm	
d) Wheelbase, approx.	3,800mm	----- mm	
e) Length of chassis aft of cab, approx.	5,000 mm	----- mm	
f) Kerb weight, min.	2,400Kg	-----Kg	
g) Max. G.V.W, min.	7,000Kg	-----Kg	
h) Payload minimum.	3,000Kg	-----Kg	

3. ENGINE			
a) Make	-		
b) Model	-		
c) Country of origin	-		
d) Engine performance curves supplied.	Yes	------(Y/N)	
e) Diesel Engine, water cooled, 4 Stroke.	Yes, Yes, Yes	------(Y/N)	
f) Mode of aspiration. (Natural/Turbocharged)	Specify	-----	
g) Piston displacement, approx.	3500 - 5000cc	-----cc	
h) Number of cylinders - 4/6	Specify		
i) Maximum power output / rpm, min.	80KW / 3000rpm	-----KW/rpm	
j) Maximum torque developed /rpm, min.	300Nm /1800rpm	-----Nm/rpm	
k) Air cleaner type, disposable/ oil bath.	Specify		
l) Oil and fuel filter type	Disposable		
m) Average fuel consumption (on full load)	Specify	-----km/l	
n) Fuel tank capacity, approx.	100Lt	-----Lt	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
o) Extra fuel tank fitted	Yes	------(Y/N)	
Capacity	Specify	-----Lt	

4. CLUTCH AND TRANSMISSION			
a) Clutch, dry type, single plate	Yes, Yes	------(Y/N)	
b) Clutch, system actuation.	Hydraulic	------(Y/N)	

c)	Gearbox, synchromesh on 2-5.	Yes	------(Y/N)	
d)	Number of speeds, approx.	5F, 1R	------(Y/N)	
e)	Drive configuration.	4x2	------(Y/N)	

5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Y/N)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Y/N)	
c)	Rear tyres.	Dual	------(Y/N)	
d)	Tires size locally available.	Yes	------(Y/N)	
e)	Optimum tire size	Specify		
f)	Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Y/N)	

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	------(Y/N)	
b)	Steering Type.	Assisted	------(Y/N)	
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Y/N)	
d)	Adjustable driver's seat.	Yes	------(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	All seats to be fitted with safety belts Conforming to KEBS 06-664: 1985 standard.	Yes Mandatory	------(Y/N)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Y/N)	
b)	Battery capacity and size, approx.	2x12V, 70AH	------(Y/N)	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Y/N)	
d)	Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Y/N)	

8. EQUIPMENT ETC.

a)	Heavy duty type front fender.	Yes	------(Y/N)	
b)	Laminated (safety) windshield.	Yes	------(Y/N)	
c)	Sunvisors supplied.	Yes	------(Y/N)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Y/N)	
e)	Full size Spare tyre with rim and carrier mounted under truck.	Yes	------(Y/N)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Y/N)	
g)	Vehicle to be fitted with approved electronic speed governor with recorder	Yes Mandatory	------(Y/N)	
h)	Governor to limit maximum speed to 80km/hr	Yes <b>Mandatory</b>	------(Y/N)	
i)	Governor to be tamper proof	Yes <b>Mandatory</b>	------(Y/N)	
j)	Governor to be inspected by CM&TE before delivery	Yes <b>Mandatory</b>	------(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

k)	Any other equipment (or accessories) supplied.	Specify	-----	
<b>B. BODY CONSTRUCTION DETAILS.</b>				
<b>9. GENERAL</b>				
a)	Manufacturer's specifications and detailed engineering drawings (Showing Plan, side , rear views and fixture details)	Yes <b>Mandatory</b>	----- (Y/N)	
b)	Vehicle supplier to build body or subcontract to a reputable body builder	Specify	----- -----	
c)	If the work is sub-contracted, name sub-contractor.	Specify subcontractor	----- -----	
d)	An all steel and light alloy fabricated low bed body	Yes, Yes, Yes	(Y/N)	
e)	All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes	(Y/N)	
f)	All body construction and installations to comply with the chassis manufacturer's specifications.	Yes	(Y/N)	
g)	Suitable for transporting light cars of weight 3t max.	Yes	(Y/N)	
h)	Any item not included in this spec but necessary for the operation of the truck to be fitted and supplied	Yes <b>Mandatory</b>	(Y/N)	
<b>10. BODY DIMENSIONS.</b>				
a)	Overall length, approx.	5,000 mm	-----mm	
b)	Height of sides ( including 400mm drop sides) approx.	1400 mm	-----mm	
c)	Overall width, approx.	2,200 mm	----- mm	
<b>11. BODY CONSTRUCTION.</b>				

a)	Body cross bearers of pre-stressed channel sections, 100 x 50 x 4.5mm equidistantly spaced at a maximum of 500mm apart.	Yes, Yes, Yes	------(Y/N)	
----	---	---------------	-------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b)	Suitable size well seasoned timber runners, with inverted steel section at top, between body frame and chassis/equivalent.	Specify timber size Yes	x mm
c)	Body secured to chassis by U bolts, diameter, and 16mm, held in position on chassis by wooden V-blocks/ equivalent	Yes	------(Y/N)
		Specify size and number	mm No.
d)	Body to be open floor type but with a suitable electric winch at front centre next to cab rear.	Yes	------(Yes/No)
e)	Winch with wire rope.	Yes Mandatory	------(Y/N)
		e.i) Winch make /type.	Electric type mandatory Specify make
e.ii)	Capacity 3 tons	specify	---tons
e.iii)	Wire rope diameter x length approx. ) 8mm x 30m	specify	---x --mm
e.iv)	Winch to be installed and fitted between ) the cab and rear flat body	Yes	------(Y/N)
f)	Body floor fabricated from 4.0mm thick mild steel plate.	4.0mm	-----mm
g)	Suitable heavy duty lockable and foldable rear loading ladder/equivalent.	Yes	------(Y/N)
		h)	Rear loading ladder to be made of angle iron, 50x50x3mm and covered by steel metal sheet, 6mm thick/equivalent .

i)	Body sides to be lockable drop side type, height 400mm reinforced/equivalent.	Yes	------(Yes/No)	
j)	Body front up to the cabin level height covered by sheet metal apart from winch fitting space	Yes	------(Y/N)	
k)	Ladder length /plus slanted rear design equivalent)	2m	-----m	
l)	Ladder to be manual and lockable upright/equivalent	specify		

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
m)	Rear floor height	1m	-----m	
n)	Suitable size tool box to be fitted under body on the left side.	Yes	------(Y/N)	
o)	Suitable size rear mudguards fitted.	Yes	------(Y/N)	
p)	Stone guards fitted for tail lights.	Yes	------(Y/N)	
q)	Heavy duty vehicle locking /tying mechanism fitted in the rear body	Yes (Mandatory) Give details	------(Y/N) -----	

12 BODY FINISH.

a)	All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be proceeded by one coat primer (red oxide) and intercoat.	Yes, Yes, Yes	------(Y/N)	
b)	Heavy-duty under seal to be applied on all welds and undercarriage.	Yes	------(Y/N)	
c)	Paint colour, branding and signage to be determined by user	Yes (Mandatory)	(Y/N)	
d)	To have a suitable metal board at the cab rear with the words RECOVERY VEHICLE /equivalent	Yes (Mandatory)	(Y/N)	

13. WARRANTY

a)	Each vehicle supplied should carry a statement of warranty.	Yes (Mandatory)	(Y/N)	
b)	Vehicle warranty min., 100,000 Km or 12 Months whichever occurs first.	specify	Km Months	
<b>14. MANUALS</b>				
a)	All literature in English language	Yes	------(Y/N)	
b)	Repair Manual / CD, supplied.	1 per Vehicle	------(Y/N)	
c)	Parts catalogue / CD, supplied.	1 per Vehicle	------(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Driver's handbook, warranty and service schedule supplied.	1 per Vehicle	(Y/N)	
<b>15 OTHER REQUIREMENTS</b>				
a)	Vehicle to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Vehicle to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications during body construction and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	
c)	Body builders to have truck body inspected (by Certifying officer, Vehicle inspection unit) for compliance with Traffic Act prior to delivery to user.	Yes	------(Yes/No)	
d)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No)  _____	
e)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____	

f)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____	
g)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes(Mandatory)	------(Yes/No)	
h)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes(Mandatory)	------(Yes/No)	

Tenderer's Signature	Official stamp.
Date:	

**28. MOBILE HYDRAULIC TWIN BLOCK MAKING MACHINE**

MOT&I/MTD/QMS/420

<b>SPECIFICATION NO. MTD-1121-421-20</b>		
<b>TENDERER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: MOBILE HYDRAULIC TWIN BLOCK MAKING MACHINE</b>		

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes, <b>Mandatory</b>	.....(Y/ N)	

**1. GENERAL**

a)	A Standard production heavy duty, mobile hydraulic block making machine of latest design, in current production.	Yes	.....(Y/N)	
b)	Supplied new.	Yes	.....(Y/N)	
c)	Designed for large production of blocks	Yes	.....(Y/N)	
d)	Number of blocks produced per hour	350-400 blocks/hr	..... Blocks/hr	
e)	Designed to export specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	

2. DIMENSIONS AND WEIGHT.(MACHINE AND ENGINE MOUNTED ON TRAILER)

a)	Approximate dimensions	Length, approx	2,100mm	-----mm	
	<b>SPECIFICATION</b>	Width, approx Height, approx..	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
			1,600mm	-----mm	
			1,600mm	-----mm	
b)	Operating weight, approx.		1,100 Kg	-----Kg	

3. ENGINE

a)	Make	-	_____	
b)	Model	-	_____	
c)	Country of origin	-	_____	

d)	Manufacturer's literature and specifications supplied	Yes, <b>Mandatory</b>	.....(Y/ N)	
e)	Engine performance curves supplied.	Yes		
f)	Diesel Engine.	Yes		
g)	Air-cooled.	Yes		
h)	Number of cylinders.	One	-----No	
i)	Piston displacement, approx.	100 cc	-----cc.	
j)	Rated power output, (Kw/rpm), approx.	10 Kw	-----kW	
k)	Starting: Hand start.	Yes	.....(Y/ N)	

4. SYSTEM ASSEMBLY.

MACHINE TO HAVE, among others;			
• Loading assembly.	2No.	.....(Y/ N)	
• Pre-compacting top ram assembly.	2No.	.....(Y/ N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
• Hydraulic cylinders to aid compaction	Yes	.....(Y/ N)	
• Hydraulic power pack and cylinders	Yes	.....(Y/ N)	

5. TRAILER.

a)	Single spring axle chassis trailer with tail lights, tow hitch, road tyres	Yes	.....(Y/ N)	
b)	Wheel trailer with stands	Yes	.....(Y/ N)	

6.

## MANUALS

a)	All literature in English language.	Yes	.....(Y/ N)	
b)	<b>Engine repair manual /CD supplied</b>	1 per engine	.....(Y/ N)	
c)	Parts catalogue /CD supplied(engine)	1 set per engine	.....(Y/ N)	
d)	Operator hand book supplied	1 per engine	.....(Y/ N)	
e)	Repair tool kit supplied	1 per engine	.....(Y/ N)	
f)	Any other accessories	Specify		

## 7. OTHER EQUIPMENT

Machine to supplied with the following: -			
• Block tester	Yes, Mandatory	.....(Y/ N)	
• <b>Block cutter</b>	Yes, Mandatory	.....(Y/ N)	
• <b>Spares</b>	Specify		

## 8. OTHER REQUIREMENTS

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a)	Franchise holder (represented in Kenya)	Yes	.....(Y/ N)	
	If not, specify relationship with franchise holder.	Specify Agent /Dealer		
b)	Letter of Manufacturer's authorization attached	Yes, Mandatory	.....(Y/ N)	

c)	Availability of spares, particularly on engine	Indicate firms that stock spare parts.		
d)	Training on equipment offered	Yes, Mandatory	.....(Y/ N)	
e)	Training Duration-5days	Specify days	-----No	
f)	Machine to be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	.....(Y/ N)	

Tenderer's Signature	Official stamp.
Date:	

## 29. PORTABLE CONCRETE MIXER, 450LITRE

MOT&I/MTD/QMS/348

<b>SPECIFICATION NO. <u>MTD-1190-351-20</u></b>			
<b>TENDERER'S NAME</b> _____		<b>NO:</b> _____	
<b>TENDER NO:</b> _____		<b>ITEM NO:</b> _____ <b>QTY:</b> ___	
<b>DESCRIPTION: <u>PORTABLE CONCRETE MIXER, 450LITRE</u></b>			

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	_____	
MODEL	-	_____	
COUNTRY OF ORIGIN	-	_____	

MANUFACTURER'S LITERATURE, AUTHORISATION AND SPECIFICATIONS SUPPLIED	Yes <b>(MANDATORY)</b>	_____(Y/N)	
DETAILED SYSTEM LAYOUT DRAWINGS FOR 1) FRONT 2) SIDE 3) PLAN ELEVATION TO BE SUBMITTED WHEN TENDERING	Yes <b>(MANDATORY)</b>	_____(Y/N)	

1. GENERAL

a) A standard production, portable concrete mixer of latest design in current production.	Yes, Yes, Yes	_____(Y/N)	
b) Supplied new.	Yes	_____(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	_____(Y/N)	
d) Any item necessary for the efficient operation of this equipment but not included in this spec. to be supplied.	Yes	_____(Y/N)	
e) Mixed batch output approx.	2.0m <sup>3</sup> /hr	-----m <sup>3</sup> /hr	

2. DIMENSIONS

a) Length approx.	2,000 mm	_____mm	
b) Width , approx.	1,200mm	_____mm	
c) Height approx.	1,800mm	_____mm	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d) Feeding height.	1,200mm	_____mm	

e)	Discharge height approx.	600mm	_____mm	
f)	Weight, approx.	600Kg	_____kg	
g)	Unmixed batch capacity min.	280 lts	-----lts	
h)	Mixed batch output min.	200lts	-----lts	
i)	Output capacity of mixer, max.	2.0m <sup>3</sup> /hr	-----m <sup>3</sup> /hr	
j)	Gross drum volume	450lt	-----lts	

### 3. ENGINE

a)	MAKE	-	_____	
b)	MODEL	-	_____	
c)	COUNTRY OF ORIGIN	-	_____	
d)	Engine power, approx.	10HP	_____HP	
e)	Fuel type diesel	specify	-----	
f)	Cooling system	Specify	-----	

### 4. TILTING/REVOLVING SYSTEM

a)	Fitted with tilting/revolving system.	Yes	_____(Y/N)	
b)	Equipped with revolving mechanism for drum, multiposition and lockable.	Roller chain, bevel wheel, pinion type	-----	
c)	Drum made of heavy gauge steel and properly shaped bottoms and paddles.	Specify		
d)	Drum speed, approx.	20rpm	_____rpm	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Production output rates max, approx.	12batches/hr	-----batches/hr	

#### 5. FRAME/WHEELS

a) Heavy gauge box section steel or suitable material for frame.	Specify		
b) Fixed rear axle, swivelling front axle and tow bar	Specify		
c) Wheel type and size	Specify		

#### 6. OTHER EQUIPMENT

a) Manufacturers tool kit provided	Yes	_____(Y/N)	
b) Greasing cups /fittings with good all round access provided on machine.	Yes	_____(Y/N)	
c) Fully enclosed drive line.	Yes	_____(Y/N)	

#### 7. FINISHING/PAINTING

a) Two coats primer, one coat finish colour to be specified by user.	Yes	_____(Y/N)	
--	-----	------------	--

#### 8. WARRANTY

a) Specimen of warranty to be submitted when tendering.	Yes	_____(Y/N)	
b) Each mixer supplied should carry a statement of warranty.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
c) Concrete mixer warranty min.	12 months	_____ months	

#### 9. MANUALS

a) All literature in English language	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b) Maintenance and service manual, supplied.	Yes	_____(Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c) Parts catalogue supplied.	Yes	_____(Y/N)	
d) Owners Instructions Handbook supplied.	Yes <b>(MANDATORY)</b>	_____(Y/N)	

10 OTHER REQUIREMENTS

a) Concrete mixer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b) Firms Status: (Franchise holder/ Dealer/Agent)	Specify	_____	
c) Names and addresses of dealers/agents where back-up service can be obtained	Specify	----- ----- ----- -----	
d) Supplying firm to offer training on trouble shooting and maintenance of the equipment.	Yes	_____(Y/N)	

Tenderer's Signature	Official stamp.
Date:	

### 30. MECHANIC TOOL KIT

MOT&I/MTD/QMS/347

<b>SPECIFICATION NO.</b>	<b>MTD-1224-398-20</b>		
<b>TENDERERS NAME</b>			
<b>TENDER NO.</b>	<b>ITEM No.</b>	<b>QTY.</b>	
<b>DESCRIPTION:</b>	<b>MECHANIC TOOL KIT</b>		

#### TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	_____	
MODEL	-	_____	
COUNTRY OF ORIGIN	-	_____	

#### 1. GENERAL.

a)	Standard production, mechanic tools and equipment of latest design in the class, robust construction in current production.	Yes	_____ (Y/N)	
b)	Supplied new.	Yes	_____ (Y/N)	
c)	Most suitable for motor vehicle repairs.	Yes	_____ (Y/N)	
d)	Manufacturer's literature, authority and specifications for all the tools and equipments, supplied	<b>Yes, (Mandatory)</b>	_____ (Y/N)	

#### 2. MECHANIC TOOL KIT

a)	Make	-		
----	------	---	--	--

b)	Model	-		
c)	Country of origin	-		
1.	Set of flat open ended chrome vanadium spanners 6-32mm (12 pieces) Sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 ,34x36mm mm	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
2.	Set of chrome vanadium ring spanner 6 to 32mm (12 pieces) 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
3.	Set of socket wrenches (10 to 32mm) plus chrome steel, 2 inch square drive, thin wall, 12-points sockets, complete with reversible ratchet, sliding T-bar, extension bars, speeder brace etc in steel box. (23 pieces) 10,11,12,13,14,15,16,17,18,19 , 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 36 mm	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
4.	250x12mm flat screwdriver with shock proof handle,	Yes	_____ (Y/N)	
5.	150x8mm flat screwdriver with shock proof handle	Yes	_____ (Y/N)	

6.	No. 3 cross slot screwdriver, of overall length 250mm	Yes	_____ (Y/N)  ----- mm	
7.	No. 2 cross slot screwdriver, of overall length 200mm	Yes	_____ (Y/N)  ----- mm	
8	Stubby flat screwdriver of overall length 80mm, blade length approx. 25mm, 6.5 mm blade tip.	Yes Indicate overall length.	_____ (Y/N)  ----- mm	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
9	160mm snip nose pliers	Yes	_____ (Y/N)	
10	180mm combination pliers	Yes	_____ (Y/N)	
11	Internal circlip pliers, approx., 1200mm External circlip pliers, approx. 180mm,	Yes Yes	_____ (Y/N) _____ (Y/N)	
12	160mm diagonal side cutters,	Yes	_____ (Y/N)	
13	1.5 lb ball pein hammer, length approx. 300mm,	Yes	_____ (Y/N)	
14	Set of 20 feeler gauges 100mm long range 0.05mm to 1mm	Yes	_____ (Y/N)	
15	Set of 8 Allen keys 2.0 to 10mm range	Yes	_____ (Y/N)	
16	300mm steel rule of section dimension: 30x1.0 mm	Yes	_____ (Y/N)	
17	Adjustment, shaped handle, tubular hacksaw frame complete with 3 blades of blade length approx. 250 - 300mm, hacksaw length approx. 4500mm, 1 piece	Yes	_____ (Y/N)	
18	Set of 5 cold chisels 16x125, 18x150 and 25x200mm	Yes	_____ (Y/N)	
19	5-tray sheet steel tool box to accomodate all the tools,	Yes	_____ (Y/N)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
	dimension, 530mmx200mmx200mm			
20	Medium Padlock with 2 keys	Yes	_____ (Y/N)	
21	Plug spanner, double end and with swivel handle, dia. Inter/external 23/30, plug length mm144mm	Yes length	_____ (Y/N) _____ mm	
22	Centre punch of overall length approx. 150mm ,	Yes	_____ (Y/N)	
23	Set of Pin punch (6No) of various sizes.	Yes	_____ (Y/N)	
24	Brass drift (Tapper pin punch)	Yes	_____ (Y/N)	
25	250mm self grip pliers, 1 piece	Yes	_____ (Y/N)	
26	4 rows wire brush,	Yes	_____ (Y/N)	
27	315mm Adjustable pipe wrench, 1 piece	Yes	_____ (Y/N)	
28	300mm single ended open jaw wrenches.	Yes	_____ (Y/N)	
29	Drain plug wrenches, 220mm	Yes	_____ (Y/N)	

30.	Double ended ring wrenches,( 30x34 mm, 32x35 mm.),	Yes	_____ (Y/N)	
31.	Crow foot wrenches, sizes 13,17, 22, 24, 32, 36 mm,	Yes	_____ (Y/N)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
32	Combination wrench set, (9 pieces), sizes 10, 13, 16, 17, 18, 19, 21, 22, 24 mm	Yes	_____ (Y/N)	
33	Manifold wrenches, sizes 11x13, 19x22 mm.	Yes	_____ (Y/N)	
34	Brake adjustment wrench, sizes 180 mm.,	Yes	_____ (Y/N)	
35.	Double ended swivel wrench set, (7 pieces) Sizes: ( 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, mm)	Yes	_____ (Y/N)	
36	Flare nut ring wrenches, sizes 8x10, 30x32mm,	Yes	_____ (Y/N)	
37	Impact screwdriver set.	Yes	_____ (Y/N)	
38.	Nut spinners, sizes: 6, 8, 12, 14 mm.	Yes	_____ (Y/N)	
39	Offset screwdrivers, sizes 8, 10, 12 mm,	Yes	_____ (Y/N)	

40	Coil ring compressors, capacity: 55-130mm,	Yes	_____ (Y/N)	
41	Piston ring compressors capacity: 50-100mm	Yes	_____ (Y/N)	
42	Magnetic pick-up tools, size 16mm with lifting capacity of 3000g (3kg),	Yes	_____ (Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
43	Brake spring pliers, length, approx. 340mm.,	Yes	_____ (Y/N)	
44	High performance soldering iron ., Rating: 400W Length, approx. 300mm Weight, approx. 1000g (1Kg)	Yes	_____ (Y/N)	
45	<b>TORX TOOLS</b> Screwdrivers, (multi-spline socket screws) Socket, Wrenches, 8 pieces, sizes 9, 10, 15, 20, 25, 27, 30, 40.	Yes Yes Yes	_____ (Y/N) _____ (Y/N) _____ (Y/N)	

### 3. MANUALS

a)	All literature in English language.	Yes	_____ (Y/N)	
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### 4. **OTHER REQUIREMENTS**

a)	The Chief Mechanical and Transport Engineer will inspect the tools and equipments prior to delivery to the user.	Yes <b>(Mandatory)</b>	_____ (Y/N)	
b)	Manufacturers literature, warranty and authorization letter attached.	Yes <b>(Mandatory)</b>	_____ (Y/N)	

c)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify and attach proof		
d)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify		

Tenderer's Signature	Official stamp.
Date:	

### 31. AUTO- ELECTRICIAN TOOL BOX

MOT&I/MTD/QMS/346

<b>SPECIFICATION NO.</b>	<b>MTD-1225-398-20</b>		
<b>TENDERERS NAME</b>			
<b>TENDER NO.</b>	<b>ITEM No.</b>	<b>QTY.</b>	
<b>DESCRIPTION:</b>	<b>AUTO- ELECTRICIAN TOOL BOX</b>		

### TENDERER'S COLUMN TO BE COMPLETED BY TENDERER (MANDATORY)

	<b>SPECIFICATION</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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#### 1. GENERAL.

a)	Standard production, auto electrical tools and equipment of latest design in class, robust construction in current production.	Yes	_____ (Y/N)	
b)	Supplied new.	Yes	_____ (Y/N)	
c)	Most suitable for motor vehicle electrical repairs.	Yes	_____ (Y/N)	

d)	Manufacturer's literature, warranty, authority and specifications for all the tools and equipments, supplied	<b>Yes, (Mandatory)</b>	_____ (Y/N)	
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## 2. ELECTRICIAN TOOL KIT

1.	Make	-	_____ (Y/N)	
2.	Model	-	_____ (Y/N)	
3.	Country of origin	-	_____ (Y/N)	
4.	Ignition wrench set	Yes	_____ (Y/N)	
5.	Adjustable wrench	Yes	_____ (Y/N)	
6.	Pliers grip	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
7.	Combination pliers	Yes	_____ (Y/N)	
8	Snip nose	Yes	_____ (Y/N)	
9	Diagonal cutting nipper	Yes	_____ (Y/N)	
10	End cutting nipper	Yes	_____ (Y/N)	
11	Stripping tweezers.	Yes	_____ (Y/N)	
12	Wire stripping pliers	Yes	_____ (Y/N)	
13	Universal grip pliers	Yes	_____ (Y/N)	
14	Screwdrivers, star (80mm, 100mm)	Yes	_____ (Y/N)	
15	Screwdrivers, (pozi-drive-80mm, 100mm)	Yes	_____ (Y/N)	
16	Bradawl, 190mm	Yes	_____ (Y/N)	
17	Car light tester (16-24V)	Yes	_____ (Y/N)	

18	Voltage tester (150-240V)	Yes	_____ (Y/N)	
19	Electrician screwdrivers (60x2.5 mm, 100x3.5 mm, 150x5 mm)	Yes	_____ (Y/N)	
20	Engineers screwdriver for plain shot screws (100x5.5 mm, 150x8 mm)	Yes	_____ (Y/N)	
21	Offset screwdriver for plain shot screw (100x5.5 mm, 150x8 mm)	Yes	_____ (Y/N)	
22	3-Claw pick up tools (535 mm)	Yes	_____ (Y/N)	
23	400g engineers hammer	Yes	_____ (Y/N)	
24	0.5 lb engineers ball peen hammer	Yes	_____ (Y/N)	
25	Flat cold chisel (175x22 mm)	Yes	_____ (Y/N)	
26	Splitting chisels (230x26 mm)	Yes	_____ (Y/N)	
27	Centre punch (120x4 mm)	Yes	_____ (Y/N)	
28	Hacksaw blades complete with frame	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
29	90/200 mm knives	Yes	_____ (Y/N)	
30	2m/78" measuring tape	Yes	_____ (Y/N)	
31	3-tray toolbox complete with padlock and keys.	Yes	_____ (Y/N)	
32	Open ended spanners: 4X5, 6X7, 8X9, 10X11, 12X13, 14X15.	Yes	_____ (Y/N)	

### 3. MANUALS

a)	All literature in English language.	Yes	_____ (Y/N)	
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**4. OTHER REQUIREMENTS**

a)	The Chief Mechanical and Transport Engineer will inspect the tools and equipments prior to delivery to the user.	Yes <b>(Mandatory)</b>	_____ (Y/N)	
b)	Manufacturers literature and authorization letter attached.	Yes <b>(Mandatory)</b>	_____ (Y/N)	
c)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify	_____ (Y/N)	
d)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify	_____ (Y/N)	

Tenderer's Signature	Official stamp.
Date:	

**32. HEAVY DUTY PLANT MECHANIC TOOL KIT MOT&I/MTD/QMS/381**

<b>SPECIFICATION NO.</b>	<b>MTD-1226-398-20</b>		
<del><b>TENDERERS NAME</b></del>			
<b>TENDER NO.</b>	<b>ITEM No.</b>	<b>QTY.</b>	
<b>DESCRIPTION: _____ HEAVY DUTY PLANT MECHANIC TOOL KIT _____</b>			

**TENDERER'S COLUMN TO BE COMPLETED BY TENDERER  
(MANDATORY)**

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
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**1. GENERAL.**

a)	Standard production, heavy duty plant mechanic tools of latest design in the class, robust construction in current production.	Yes	_____ (Y/N)	
b)	Supplied new.	Yes	_____ (Y/N)	
c)	Most suitable for heavy plant repairs.	Yes	_____ (Y/N)	
d)	Manufacturer's literature, specifications and authorization for all the tools and equipments, supplied	<b>Yes, (Mandatory)</b>	_____ (Y/N)	
e)	With suitable sheet steel tool box and trays to accommodate all the tools	Yes <b>(Mandatory)</b> specify	_____ (Y/N) ----- -	
f)	With suitable padlock and keys	Yes <b>(Mandatory)</b>	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
		specify	----- -	
g)	Manufacturer's original equipment warranty cover provided (attach evidence) for all the tools and equipments, supplied and to cover at least one year	<b>Yes, (Mandatory)</b>	_____ (Y/N)	

<b>2. HEAVY DUTY PLANT MECHANIC TOOL KIT</b>				
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		

### **3. HEAVY PLANT TOOL BOX METRIC AND IMPERIAL TOOLS**

	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
1	OPEN ENDED SPANNERS	5.5 x 7 mm	1	_____ (Y/N)	
2	OPEN ENDED SPANNERS	8 x 10 mm	1	_____ (Y/N)	
3	OPEN ENDED SPANNERS	11 x 13 mm	1	_____ (Y/N)	
4	OPEN ENDED SPANNERS	17 x 19 mm	1	_____ (Y/N)	
5	OPEN ENDED SPANNERS	22 x 24 mm	1	_____ (Y/N)	

	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
6	OPEN ENDED SPANNERS	27 x 30 mm	1	_____ (Y/N)	
7	OPEN ENDED SPANNERS	32 x 36 mm	1	_____ (Y/N)	

8	OPEN ENDED SPANNERS	14 x 15 mm	1	_____ (Y/N)	
9	OPEN ENDED SPANNERS	16 x 17 mm	1	_____ (Y/N)	
10	OPEN ENDED SPANNERS	18 x 19 mm	1	_____ (Y/N)	
11	OPEN ENDED SPANNERS	20 x 22 mm	1	_____ (Y/N)	
12	OPEN ENDED SPANNERS	21 x 23 mm	1	_____ (Y/N)	
13	OPEN ENDED SPANNERS	36 x41 mm	1	_____ (Y/N)	
14	OPEN ENDED SPANNERS	46 x50 mm	1	_____ (Y/N)	
15	RING SPANNERS	5.5 X 7 mm	1	_____ (Y/N)	
16	RING SPANNERS	8 x 10 mm	1	_____ (Y/N)	
17	RING SPANNERS	11 x 13 mm	1	_____ (Y/N)	

	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
18	RING SPANNERS	17 x 19 mm	1	_____ (Y/N)	

19	RING SPANNERS	22 x 24 mm	1	_____ (Y/N)	
20	RING SPANNERS	27 x 30 mm	1	_____ (Y/N)	
21	RING SPANNERS	32 x 36 mm	1	_____ (Y/N)	
22	RING SPANNERS	14 x 15 mm	1	_____ (Y/N)	
23	RING SPANNERS	16 x 17 mm	1	_____ (Y/N)	
24	RING SPANNERS	18 x 19 mm	1	_____ (Y/N)	
25	RING SPANNERS	20 x 22 mm	1	_____ (Y/N)	
26	RING SPANNERS	21 x 23 mm	1	_____ (Y/N)	
27	RING SPANNERS	36 x 41 mm	1	_____ (Y/N)	
28	RING SPANNERS	46 x 50 mm	1	_____ (Y/N)	
29	BOX SPANNERS 1/2" SQUARE DRIVE	9 mm	1	_____ (Y/N)	

	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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30	BOX SPANNERS 1/2" SQUARE DRIVE	10 mm	1	_____	
				(Y/N)	
31	BOX SPANNERS 1/2" SQUARE DRIVE	11 mm	1	_____	
				(Y/N)	
32	BOX SPANNERS 1/2" SQUARE DRIVE	12 mm	1	_____	
				(Y/N)	
33	BOX SPANNERS 1/2" SQUARE DRIVE	13 mm	1	_____	
				(Y/N)	
34	BOX SPANNERS 1/2" SQUARE DRIVE	14 mm	1	_____	
				(Y/N)	
35	BOX SPANNERS 1/2" SQUARE DRIVE	15 mm	1	_____	
				(Y/N)	
36	BOX SPANNERS 1/2" SQUARE DRIVE	16 mm	1	_____	
				(Y/N)	
37	BOX SPANNERS 1/2" SQUARE DRIVE	17 mm	1	_____	
				(Y/N)	
38	BOX SPANNERS 1/2" SQUARE DRIVE	18 mm	1	_____	
				(Y/N)	
39	BOX SPANNERS 1/2" SQUARE DRIVE	19 mm	1	_____	
				(Y/N)	
40	BOX SPANNERS 1/2" SQUARE DRIVE	20 mm	1	_____	
				(Y/N)	
41	BOX SPANNERS 1/2" SQUARE DRIVE	21 mm	1	_____	
				(Y/N)	

	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
42	BOX SPANNERS 1/2" SQUARE DRIVE	22 mm	1	_____	
				(Y/N)	
43	BOX SPANNERS 1/2" SQUARE DRIVE	23 mm	1	_____	
				(Y/N)	
44	BOX SPANNERS 1/2" SQUARE DRIVE	24 mm	1	_____	
				(Y/N)	
45	BOX SPANNERS 1/2" SQUARE DRIVE	26 mm	1	_____	
				(Y/N)	
46	BOX SPANNERS 4 mm SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
47	BOX SPANNER 46 mm SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
48	BOX SPANNER 50 mm SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
49	BOX SPANNERS 1/2" SQUARE DRIVE	50 mm	1	_____	
				(Y/N)	
50	1/2" REVERSIBLE RATCHET	STD	1	_____	
				(Y/N)	
51	1/2" EXTENSION BAR	125 mm	1	_____	
				(Y/N)	
52	1/2" NUT SPINNER HANDLE	STD	1	_____	
				(Y/N)	
53	1/2" CROSS BAR	STD	1	_____	
				(Y/N)	

54	1/2" SPEEDER HANDLE	STD	1		
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	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____ (Y/N)	
55	1/2" SLINDING T. HANDLE	STD	1	_____ (Y/N)	
56	1/2" UNIVERSAL JOINT	STD	1	_____ (Y/N)	
57	1/2" EXTENSION BAR	125 mm	1	_____ (Y/N)	
58	3/4 CROSS BAR		1	_____ (Y/N)	
59	3/4 EXTENSION BAR		1	_____ (Y/N)	
60	STUD REMOVER	1"	1	_____ (Y/N)	
61	BRASS BAR	20 X 200 mm	1	_____ (Y/N)	
62	ADJUSTABLE SPANNER	200 mm	1	_____ (Y/N)	
63	PIPE WRENCH	350 mm	1	_____ (Y/N)	
64	CHAIN WRENCH	STD	1	_____ (Y/N)	

65	GRIP PLIERS	250 mm	1	_____ (Y/N)	
66	ADJUSTABLE WRENCH	300 mm	1		

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____ (Y/N)	
67	COMBINATION PLIER	200 mm	1	_____ (Y/N)	
68	CUTTING PLIER	150 mm	1	_____ (Y/N)	
69	NEEDLE NOSE PLIER	150 mm	1	_____ (Y/N)	
70				_____ (Y/N)	
71	SNAP RING PLIER	STD	1	_____ (Y/N)	
72	FLAT SCREW DRIVER	50 mm	1	_____ (Y/N)	
73	FLAT SCREW DRIVER	100 mm	1	_____ (Y/N)	
74	FLAT SCREW DRIVER	150 mm	1	_____ (Y/N)	
75	STAR SCREW DRIVER	75 mm	1	_____ (Y/N)	

76	STAR SCREW DRIVER	100 mm	1	_____ (Y/N)	
77	STAR SCREW DRIVER	150 mm	1	_____ (Y/N)	
78	FLAT STUBBY DRIVER	93 mm	1		

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____ (Y/N)	
79	OFF SET DRIVER	NO. 1 X 5 mm	1	_____ (Y/N)	
80	OFF SET DRIVER	NO. 2 X 6 mm	1	_____ (Y/N)	
81	BALL PEIN HAMMER	450g	1	_____ (Y/N)	
82	BALL PEIN HAMMER	650g	1	_____ (Y/N)	
83	SCREW EXTRANOR	STD	1	_____ (Y/N)	
84	TEST HAMMER	200g	1	_____ (Y/N)	
85	BOX SPANNER ¾ SQUARE DRIVE	27 mm	1	_____ (Y/N)	
86	BOX SPANNER ¾ SQUARE DRIVE	29 mm	1	_____ (Y/N)	

87	BOX SPANNER ¾ SQUARE DRIVE	30 mm	1	_____	
				(Y/N)	
88	BOX SPANNER ¾ SQUARE DRIVE	32 mm	1	_____	
				(Y/N)	
89	BOX SPANNER ¾ SQUARE DRIVE	35 mm	1	_____	
				(Y/N)	
90	BOX SPANNER ¾ SQUARE DRIVE	36 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
91	BOX SPANNER ¾ SQUARE DRIVE	38 mm	1	_____	
				(Y/N)	
92	BOX SPANNER ¾ SQUARE DRIVE	41 mm	1	_____	
				(Y/N)	
93	BOX SPANNER ¾ SQUARE DRIVE	46 mm	1	_____	
				(Y/N)	
94	BOX SPANNER ¾ SQUARE DRIVE	50 mm	1	_____	
				(Y/N)	
95	¾" EXTENSION BAR	75 mm	1	_____	
				(Y/N)	
96	¾" NUT SPINNER HANDLE	STD	1	_____	
				(Y/N)	
97	¾" UNIVERSAL JOINT	STD	1	_____	
				(Y/N)	

98	HEXAGON (ALLEN KEYS)	WRENCH	2.5 mm	1	_____	
					(Y/N)	
99	HEXAGON (ALLEN KEYS)	WRENCH	3 mm	1	_____	
					(Y/N)	
100	HEXAGON (ALLEN KEYS)	WRENCH	4 mm	1	_____	
					(Y/N)	
101	HEXAGON (ALLEN KEYS)	WRENCH	5 mm	1	_____	
					(Y/N)	
102	HEXAGON (ALLEN KEYS)	WRENCH	8 mm	1	_____	

	DESCRIPTION		SIZE	QTY	TENDERER'S	COMPLIANCE
					_____	
					(Y/N)	
103	HEXAGON (ALLEN KEYS)	WRENCH	10 mm	1	_____	
					(Y/N)	
104	HEXAGON (ALLEN KEYS)	WRENCH	12 mm	1	_____	
					(Y/N)	
105	HEXAGON (ALLEN KEYS)	WRENCH	14 mm	1	_____	
					(Y/N)	
106	PLASTIC HAMMER		450g	1	_____	
					(Y/N)	
107	COOPER HAMMER		900g	1	_____	
					(Y/N)	
108	ENGINEER'S FILE SET 5PCS/SET		250mm	1	_____	
					(Y/N)	

109	NEEDLE FILE SET 5PCS/SET	200mm	1	_____	
				(Y/N)	
110	OIL STONE COMBINATION	No. 80, No. 300	1	_____	
				(Y/N)	
111	WIRE BRUSH 3 ROW WITH SCRAPER	310 mm	1	_____	
				(Y/N)	
112	PARTS CLEANING BRUSH	300 mm	1	_____	
				(Y/N)	
113	GASKET SCRAPER	190 mm	1	_____	
				(Y/N)	
114	MAGNETIC FINGER	520 mm	1	_____	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
115	PRY BAR	STD	1	_____	
				(Y/N)	
116	PINCH BAR	STD	1	_____	
				(Y/N)	
117	CHISEL AND PUNCH SET	STD	1	_____	
				(Y/N)	
118	OILER	STD	1	_____	
				(Y/N)	
119	VERNIER CALIPER	STD	1	_____	
				(Y/N)	
120	MEASURING TAPE	5M	1	_____	
				(Y/N)	

121	STEEL RULE	STD	1	_____	
				(Y/N)	
122	THICKNESS GAUGE FEELER GAUGE) mm	0.01mm - 3.0 mm	1	_____	
				(Y/N)	
123	COMBINED SPANNER	7 mm	1	_____	
				(Y/N)	
124	COMBINED SPANNER	8 mm	1	_____	
				(Y/N)	
125	COMBINED SPANNER	10 mm	1	_____	
				(Y/N)	
126	COMBINED SPANNER	11 mm	1	_____	
				(Y/N)	
127	COMBINED SPANNER	12 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
128	COMBINED SPANNER	13 mm	1	_____	
				(Y/N)	
129	COMBINED SPANNER	14 mm	1	_____	
				(Y/N)	
130	COMBINED SPANNER	15 mm	1	_____	
				(Y/N)	
131	COMBINED SPANNER	16 mm	1	_____	
				(Y/N)	

132	COMBINED SPANNER	17 mm	1	_____	
				(Y/N)	
133	COMBINED SPANNER	18 mm	1	_____	
				(Y/N)	
134	COMBINED SPANNER	19 mm	1	_____	
				(Y/N)	
135	COMBINED SPANNER	20 mm	1	_____	
				(Y/N)	
136	COMBINED SPANNER	21 mm	1	_____	
				(Y/N)	
137	COMBINED SPANNER	22 mm	1	_____	
				(Y/N)	
138	COMBINED SPANNER	24 mm	1	_____	
				(Y/N)	
139	COMBINED SPANNER	30 mm	1	_____	
	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
				_____	
				(Y/N)	
140	COMBINED SPANNER	32 mm	1	_____	
				(Y/N)	
141	COMBINED SPANNER	36 mm	1	_____	
				(Y/N)	
142	COMBINED SPANNER	46 mm	1	_____	
				(Y/N)	

143	COMBINED SPANNER	50 mm	1		
					(Y/N)

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
4.a)	All literature in English language.	Yes	_____ (Y/N)	

### 5. OTHER REQUIREMENTS

a)	The Chief Mechanical and Transport Engineer will inspect the tools and equipments prior to delivery to the user.	Yes <b>(Mandatory)</b>	_____ (Y/N)	
b)	Manufacturers Authorization letter attached.	Yes <b>(Mandatory)</b>	_____ (Y/N)	
c)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify		
d)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify		

Tenderer's Signature	Official stamp.
Date:	

### 33. TOWED CONCRETE MIXER, SELF LOADING

MOT&I/MTD/QMS/312

<b>SPECIFICATION NO. <u>MTD-1256-351-20</u></b>	
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> _____
<b>DESCRIPTION: <u>TOWED CONCRETE MIXER, SELF LOADING</u></b>	

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	_____	
MODEL	-	_____	
COUNTRY OF ORIGIN	-	_____	
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes <b>(MANDATORY)</b>	_____(Y/N)	
DETAILED SYSTEM LAYOUT DRAWINGS FOR 1) FRONT 2) SIDE 3) PLAN ELEVATION TO BE SUBMITTED WHEN TENDERING	Yes <b>(MANDATORY)</b>	_____(Y/N)	

#### 1. GENERAL

a) A standard production, towed concrete/cement mixer of latest design in current production.	Yes, Yes, Yes	_____(Y/N)	
b) Supplied new.	Yes	_____(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	_____(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d) Self loading	Yes <b>(MANDATORY)</b>	_____(Y/N)	
e) Any item necessary for the efficient operation of this equipment but not included in this spec. to be supplied.	Yes	_____(Y/N)	

#### 2. DIMENSIONS

a) Length approx.	3,000 mm	_____mm	
b) Width , approx.	2,200mm	_____mm	
c) Height approx.	2,500mm	_____mm	
d) Drum capacity approx.	350lt	----lt	
e) Gross weight, approx.	2,500Kg	_____kg	

### 3. ENGINE

a) MAKE	-	_____	
b) MODEL	-	_____	
c) COUNTRY OF ORIGIN	-	_____	
d) Engine power, approx.	10HP	_____HP	
e) Fuel type diesel	specify	-----	
f) Cooling system	Specify	-----	

### 4. TILTING/REVOLVING SYSTEM

a) Fitted with tilting/revolving system.	Yes	_____(Y/N)	
b) Equiped with a mechanism for driving drum and powering self loading scoop.	specify	-----	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Drum made of heavy gauge steel and properly shaped bottoms and paddles.	Specify		
d) Drum speed, approx.	specify	_____rpm	
e) Production output rates max in batches /hr	specify	---batches/hr	

5. FRAME/WHEELS

a) Heavy gauge box section steel or suitable material for frame.	Specify		
b) Fixed single rear axle draw bar trailer (with tow bar) with drop down legs/hydraulic legs 4No.	Specify		
c) tyre type and size-9.50R20 Pneumatic 2No.	Specify		

6.

OTHER EQUIPMENT

a) Greasing cups /fittings with good all round access provided on machine.	Yes	_____(Y/N)	
b) Fully enclosed drive lines.	Yes	_____(Y/N)	
c) Electrical system 12/24V	Specify		
d) Manufacturers tool kit provided	Yes	_____(Y/N)	

7. FINISHING/PAINTING

a) Two coats primer, one coat finish colour to be specified by user.	Yes	_____(Y/N)	
--	-----	------------	--

8 WARRANTY

a) Specimen of warranty to be submitted when tendering.	Yes	_____(Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b) Each mixer supplied should carry a statement of warranty.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
c) Concrete mixer warranty min.	12 months	_____ months	

9. MANUALS

a) All literature in English language	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b) Maintenance and service manual, supplied.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
c) Parts catalogue supplied.	Yes	_____(Y/N)	
d) Owners Instructions Handbook supplied.	Yes <b>(MANDATORY)</b>	_____(Y/N)	

10 OTHER REQUIREMENTS

a) Concrete mixer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b) Firm's Status: (Franchise holder/ Dealer/Agent)	Specify	_____	
c) Names and addresses of dealers/agents where back-up service can be obtained	Specify	----- ----- ----- -----	
d) Supplying firm to offer training to ministry personnel on trouble shooting and maintenance of the equipment.	Yes	_____(Y/N)	

Tenderer's Signature	Company rubber stamp
Date:	

**34. ATTACHMENTS FOR MOTOR GRADER**

MOT&I/MTD/QMS/344

	<b>SPECIFICATION No. MTD-1422-082-20</b>
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<b>TENDERER'S NAME:</b>		<b>NO:</b>
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: ATTACHMENTS FOR MOTOR GRADER 7FT</b>		

**TENDERER'S SPECIFICATION Column to be completed by ALL**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S OFFER</b>	<b>COMPLIANCE</b>
SPECIFY MAKE OF CUTTING EDGE	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature and specifications supplied (To be forwarded together with these specifications when duly filled in.)	Yes <b>(Mandatory)</b>	.....(Y/N)	

**1. GENERAL**

a)	Attachment to be of high quality, (made of high Carbon DH2 steel), in current production .	Yes, Yes, Yes	.....(Y/N)	
b)	Supplied new.	Yes	.....(Y/N)	
c)	Designed to heavy-duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	
d)	Suitable for unpaved, sandy, gravel roads,	Yes	.....(Y/N)	
e)	Sample to be submitted when tendering.	Yes <b>(Mandatory)</b>	.....(Y/N)	
h)	Attach letter of authorisation from the manufacturer and  the same to warranty against premature wear of the	Yes <b>(Mandatory)</b>	.....(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
product under normal conditions.			
k) In case of premature failure product to be replaced at no cost to the department.	Yes <b>(Mandatory)</b>	.....(Y/N)	

## 2. HEAVY DUTY CUTTING EDGES

<p>High strength DH2 steel cutting edges, <b>DIMENSIONS, required sizes mandatory</b></p> <ul style="list-style-type: none"> <li>• Length.</li> <li>• Width, min.</li> <li>• Thickness, min.</li> <li>• To be supplied/quoted as a set of 2 pieces of above length(complete for one machine).</li> </ul>	Specify Make	-----	
	Model	-----	
	Country of origin	-----	
	DH-2 Steel or equivalent	..... mm	
	2133.6mm(7ft) 203mm(8") 19mm(0.75")	..... mm ..... mm ----- (Y/N)	
	<b>Yes(Mandatory)</b>		

## 3. GRADER END BITS

	Specify Make of the end bit.	----- -----	
	Country of origin	------(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
Material same as for cutting edges(DH2 Steel)  <b>DIMENSIONS, SPECIFY</b>  <ul style="list-style-type: none"> <li>Width, approx.</li> <li>Thickness, approx.</li> </ul>	Yes( <b>Mandatory</b> )  203mm 16mm	..... mm ..... mm	
4. <b>RIPPER TIPS</b>      Material –DH3 Steel  <b>DIMENSIONS, SPECIFY</b>  <ul style="list-style-type: none"> <li>Specify type</li> <li>Width, approx.</li> <li>Thickness,approx</li> </ul>	Specify Make  Of ripper tips  Country of origin  Yes( <b>Mandatory</b> )  specify Type-DH3 Steel  350mm  16mm	-----  -----  ------(Y/N)  -----  ..... mm  ..... mm	
5	<b>OTHER REQUIREMENTS FOR CUTTING EDGES</b>		

a)	Material requirements  C-0.6-1%, Si-0.3-0.8, Mn-0.51.1, Ni- 0.4-0.8, Cr-0.5-  1.0, Mo-0.2-0.5,  Brinel Hardness- 400 HB minimum  To be tested by Materials dept to confirm parameters.	Yes (Mandatory)	_____(Y/N)	
b)	Number of holes (slots for bolts)	15	-----	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S OFFER</b>	<b>COMPLIANCE</b>
c)	Shape	Curved	-----	

**6 OTHER REQUIREMENT**

a)	Items to be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
----	--	-----------------	------------	--

Tenderer's Signature

Company rubber stamp

Date:

**35. ATTACHMENTS FOR MOTOR GRADER 6FT**

MOT&I/MTD/QMS/342

	<b>SPECIFICATION No. MTD-1423-082-18</b>		
	<b>TENDERER'S NAME:</b>		<b>NO:</b>
	<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>

	<b>DESCRIPTION: ATTACHMENTS FOR MOTOR GRADER 6FT</b>
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**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
SPECIFY MAKE OF CUTTING EDGE	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes <b>(Mandatory)</b>	.....(Y/N)	

**1. GENERAL**

a) Attachment to be of high quality, (made of high Carbon DH2 steel), in current production .	Yes, Yes, Yes	.....(Y/N)	
---	---------------	------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
b) Supplied new.	Yes	.....(Y/N)	
c) Designed to heavy-duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	
d) Suitable for unpaved, sandy, gravel roads,	Yes	.....(Y/N)	
e) Sample to be submitted when tendering.	Yes <b>(Mandatory)</b>	.....(Y/N)	
h) Attach letter of authorisation from the manufacturer and  the same to warranty against premature wear of the  product under normal conditions.	Yes <b>(Mandatory)</b>	.....(Y/N)	

k) In case of premature failure product to be replaced at no cost to the department/user.	Yes <b>(Mandatory)</b>	.....(Y/N)	
---	---------------------------	------------	--

**2. HEAVY DUTY CUTTING EDGES**

<p>High strength DH2 steel cutting edges, <b>DIMENSIONS, required sizes mandatory</b></p> <ul style="list-style-type: none"> <li>• Length.</li> <li>• Width, min.</li> <li>• Thickness, min.</li> <li>• To be supplied/quoted as a</li> </ul>	<p>Specify Make</p> <p>Model</p> <p>Country of origin</p> <p>DH-2 Steel or equivalent</p> <p>1,828.8mm(6ft) 203mm(8") 19mm(0.75")</p> <p><b>Yes(Mandatory)</b></p>	<p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>..... mm</p> <p>..... mm</p> <p>..... mm</p> <p>----- (Y/N)</p>	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S OFFER</b>	<b>COMPLIANCE</b>
set of 2 pieces of above length(complete for one machine).			

**3. GRADER END BITS**

<p>Material same as for cutting edges(DH2 Steel)</p> <p><b>DIMENSIONS, SPECIFY</b></p> <ul style="list-style-type: none"> <li>• Width, approx.</li> <li>• Thickness, approx.</li> </ul>	<p>Specify Make of the end bit.</p> <p>Country of origin</p> <p>Yes(<b>Mandatory</b>)</p> <p>203mm 16mm</p>	<p>-----</p> <p>-----</p> <p>------(Y/N)</p> <p>..... mm</p> <p>..... mm</p>	
<p>4. <b>RIPPER TIPS</b></p> <p>Material –DH3 Steel</p> <p><b>DIMENSIONS, SPECIFY</b></p> <ul style="list-style-type: none"> <li>• Specify type</li> <li>• Width, approx.</li> <li>• Thickness, approx.</li> </ul>	<p>Specify Make</p> <p>Of ripper tips</p> <p>Country of origin</p> <p>Yes(<b>Mandatory</b>)</p> <p>specify Type-DH3 Steel</p> <p>350mm</p> <p>16mm</p>	<p>-----</p> <p>-----</p> <p>------(Y/N)</p> <p>-----</p> <p>..... mm</p> <p>..... mm</p>	
<p>5 <b>OTHER REQUIREMENTS FOR CUTTING EDGES</b></p>			
<p>a) Material requirements</p>	<p>Yes (<b>Mandatory</b>)</p>	<p>_____(Y/N)</p>	
<p><b>SPECIFICATION</b></p>	<p><b>REQUIREMENT</b></p>	<p><b>TENDERER'S OFFER</b></p>	<p><b>COMPLIANCE</b></p>

C-0.6-1%, Si-0.3-0.8, Mn-0.5-1.1, Ni- 0.4-0.8, Cr-0.5-  1.0, Mo-0.2-0.5,  Brinell Hardness- 400 HB minimum.  To be tested by Materials dept to confirm parameters.			
b) Number of holes (slots for bolts)	13	-----	
c) Shape	Curved	-----	

**6 OTHER REQUIREMENT**

a) Items to be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes ( <b>Mandatory</b> )	_____(Y/N)	
---	--------------------------	------------	--

<p style="text-align: center;">Tenderer's Signature</p> <p>Date: _____</p>	<p>Official stamp</p>
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**36. PULVI MIXER/SOIL STABILIZER, SELF PROPELLED**

<b>SPECIFICATION NO. MTD-1506-110-20</b>			
<b>TENDERER'S NAME:</b>		<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>	
<b>DESCRIPTION: PULVI MIXER/SOIL STABILIZER, SELF PROPELLED</b>			

**TENDERER'S Column to be completed by ALL TENDERERS**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE AND SPECIFICATIONS SUPPLIED, IN ORIGINAL FORM WITH ADEQUATE DETAILS ON WORKING PRINCIPLES.	Yes <b>(Mandatory)</b>	------(Y/N)	
<b>1. GENERAL</b>			
a) A Standard production, pulvi mixer/soil stabilizer, selfpropelled, of latest design, robust construction, in current production.	Yes, Yes, Yes	------(Y/N)	
b) Supplied new.	Yes	------(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	------(Y/N)	
d) Suitable for mixing road construction materials such as soil, cement, asphalt, lime,etc.	Yes	------(Y/N)	
e) Self propelled, hydrostatic drive, hydrostatic power steering, mix in place soil stabilizer.	Yes <b>(Mandatory)</b>	------(Y/N)	
<b>2. DIMENSIONS.</b>			
a) Overall length, approx.	8,000 mm	----- mm	
b) Overall width, approx.	2,200 mm	----- mm	

c) Wheel base approx.	3,000mm	-----mm	
d) Overall height approx.	2,500mm	-----mm	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Travel speed range approx.	0-30kph	-----kph	
f) Working speed approx.	0-50m/min	-----m/min	
g) Turning radius approx.	4,000mm	-----mm	
h) Operating weight approx	15,000-20,000Kg	-----Kg	
f) Working depth approx.	400-500mm	-----mm	

### 3. ENGINE

a) Make	-		
b) Model	-		
c) Country of origin	-		
d) Diesel Engine, 4 Stroke.	Yes, Yes	----- (Y/N)	
e) Water cooled.	Yes	----- (Y/N)	
f) Number of cylinders.	specify	----- No.	
g) Piston displacement	specify	----- cc	
h) Rated power min.	380HP/2000rpm	-----	
I) Engine performance curves supplied.	Yes	----- (Y/N)	
j) Air cleaner type replaceable or oil bath.	Specify	----- -	

k)	Average fuel consumption.	specify	----- (Y/N)	
l)	Oil and fuel filter type	disposable	----- (Y/N)	
m)	Engine fuel tank capacity, approx.	300 lt	----- Lt	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
<b>4. CHASSIS AND AXLE.</b>				
a)	Heavy duty box type mono cross steel construction.	Yes specify measurements	----- (Y/N)  ----- -mm	
b)	Cross members suitably spaced to provide adequate body support.	Yes	----- (Y/N)	
c)	Towing eye fitted.	Yes	----- (Y/N)	
d)	Axle Front –solid steel beam pivot mounted.  Rear - planetary	Yes  Yes	----- (Y/N)  ----- (Y/N)	
e)	Studs supported by two no. hot rolled channels with necessary stiffeners.	Yes	----- (Y/N)	
f)	Fitted with heavy duty over-run braking system and service brakes.	Yes	----- (Y/N)	

g) Independently operated mechanical parking brakes.	Yes	----- (Y/N)	
h) Tyres. pneumatic	Yes	----- (Y/N)	
	specify Front and Rear tyre sizes.	-----X----- ----- -----X----- -----	
i) Fully hydrostatic, 4wd	Yes		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
	(Mandatory)	----- (Y/N)	
<b>5. PULVI MIXER DEVICE.</b>			
a) Make	-		
b) Model	-		
c) Country of origin	-		
d) With two speed rotor , chain in oil and sprocket, drive line mechanism-pump at engine end, hydraulic motor at final drive	specify		
e) With flow controlled pumping systems for water, asphalt and other additives.	Yes	----- (Y/N)	
f) With a hydraulically operated spray bar	Yes	----- (Y/N)	
g) With appropriate hydraulically operated pressure line, metering valve, flow rate and travel speed indicators	Yes	----- (Y/N)	

h)	With dual depth control blocks and rods on both ends for constant uniform working depth adjustable in steps of 5mm upto 120mm depth/equivalent	Specify steps and max.depth		
i)	With an adjustable (by operator) heavy duty steel tail hood.	Yes	----- (Y/N	
j)	Overlapping and 90 <sup>0</sup> configuration tine design	Yes	----- (Y/N	

**6. SAFETY.**

a)	All drives enclosed with protection panels where necessary and other safety devices incorporated.	Yes	----- (Y/N	
----	---	-----	---------------	--

**7. EQUIPMENT AND ACCESSORIES.**

a)	Dry powder fire extinguisher supplied, capacity, min.	9 Kg	_____ Kg.	
----	---	------	-----------	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Lockable tool box, maintenance tool kit provided.	Yes	----- (Y/N	
c)	Manufacturers complete tool kit supplied.	Yes	----- (Y/N	
d)	Reflective chevrons and reflectors fitted at rear.	Yes	----- (Y/N	
e)	All fittings and accessories to comply with Cap 403, the Traffic Act.	Yes	----- (Y/N	
f)	Any other item deemed necessary for efficient or improved operation of the equipment supplied.	Specify		

**8. WARRANTY**

a) Specimen of equipment warranty to be supplied when tendering.	Yes <b>(MANDATORY)</b>	----- (Y/N)	
b) Warranty duration, min 1 year	Specify duration	----- years / ----- Hrs	
<b>9. MANUALS</b>			
a) All literature in English language	Yes	----- (Y/N)	
b) Repair Manual/CD supplied.	One per m/c Mandatory	----- (Y/N)	
c) Parts catalogue/CD supplied.	1 set per machine Mandatory	----- (Y/N)	
d) Operators hand book supplied.	One per m/c	----- (Y/N)	
e) Repair tool kit supplied.	One per m/c	----- (Y/N)	
<b>10. <u>OTHER REQUIREMENT</u></b>			
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a) Plant will be inspected by the Chief Mechanical and Transport Engineer, during construction and prior to delivery to the user.	Yes	_____(Y/N)	
c) Firm's Status: (Franchise holder/ Dealer/Agent)	Specify	_____ _____	
d) Availability of spare parts.	Indicate firms that stock equipment spare parts.	----- ----- ----- ----- --	

e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- -----	
f) Supplying firm to offer training to ministry personnel on trouble shooting and maintenance of the equipment	Yes, specify No. of days and training venues	_____ _____ _____	
g) Plant to be registered by the Registrar of Motor Vehicles.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes <b>(MANDATORY)</b>	_____(Y/N)	

Tenderer's signature with official stamp

Date:

### 37. PRESSURISED CAR WASH ER EQUIPMENT

MOT&I/MTD/QMS/340

<b>SPECIFICATION NO. MTD-1514-398-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: PRESSURISED CAR WASH ER EQUIPMENT</b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
	MAKE	-		
	MODEL	-		
	COUNTRY OF ORIGIN	-		
	MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	------(Y/N)	
<b>1 GENERAL</b>				
a)	A standard production, electric pressurised car washer equipment of latest design, robust construction in current production marketed in Kenya.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new and unused	Yes	Yes/No	
c)	Designed to heavy-duty specifications and suitable for use in tropical conditions.	Yes	Yes/No	
d)	Suitable for water (both hot and cold)cleaning.	Yes(Mandatory)	Yes/No	
e)	Necessary literature which demonstrate the working of the machine in detail to be attached in the tender documents.	Yes(Mandatory)	.....(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
<b>2</b>	<b><u>PERFORMANCE</u></b>			
a)	Water consumption approx	400l/h	-----l/h	
b)	Water temperature max.	50°C	-----°C	
c)	Working pressure min.	100bar	-----bar	

d)	Power source	Electric, single phase, 240V,50HZ		
e)	Motor power approx.	5KW specify	-----	
f)	With an inbuilt solvent tank of capacity approx.	Yes 5l	_____(Y/N) -----l	
g)	Dimensions lxwxh approx.	1000x700x1000m m	----x----x--- mm	
h)	Weight, approximately	30kg	----kgs	
i)	To have double stainless lance, Length approx.	Yes 500mm	_____(Y/N) -----mm	
j)	To be supplied with high pressure, high temperature hose , 10m length approx.	Yes	_____(Y/N)	
k)	To be supplied complete with pump, nozzles, cables, spray gun and the necessary tool kit.	Yes	_____(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE

l)	With suitable rubber wheels for ease of movement.	Specify Wheel type,no. and size		
<b>3                    MANUALS</b>				
a)	All literature in English Language	Yes <b>Mandatory</b>	_____(Y/N)	
b)	Repair manual supplied	One per machine <b>Mandatory</b>	_____(Y/N)	
c)	Parts catalogue supplied	One per machine <b>Mandatory</b>	_____(Y/N)	
d)	Operators handbook and service schedule supplied	One per machine <b>Mandatory</b>	_____(Y/N)	
<b>4                    WARRANTY</b>				
a)	Specimen of warranty to be submitted when tendering.	Yes, <b>Mandatory</b>	_____(Y/N)	
b)	Each equipment to carry manufacturers statement of warranty.	Yes	_____(Y/N)	
c)	Warranty, min.	Specify	Months/hours	
d)	Attach authorisation letter from manufacturer.	Yes, <b>Mandatory</b>		
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER's</b>	<b>COMPLIANCE</b>

5 OTHER REQUIREMENTS			
a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes	_____(Y/N)
b)	Firm=s Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____
c)	Names and locations of dealers/agents where backup service can be obtained.	Specify	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----

Tenderer's signature with official stamp

Date:

**38. HEAVY DUTY PRESSURISED CAR WASH ER EQUIPMENT**

MOT&I/MTD/QMS/339

**SPECIFICATION NO. MTD-1515-398-20**

**TENDER'S NAME:**

**NO:**

TENDER NO:	ITEM NO:	QTY:
<b>DESCRIPTION: HEAVY DUTY PRESSURISED CAR WASH ER EQUIPMENT</b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
	MAKE	-		
	MODEL	-		
	COUNTRY OF ORIGIN	-		
	MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes <b>(Mandatory)</b>	------(Y/N)	
<b>1</b>	<b>GENERAL</b>			
a)	A standard production, heavy duty electric, pressurised car washer equipment of latest design, robust construction in current production marketed in Kenya.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new and unused	Yes	Yes/No	
c)	Designed to heavy-duty specifications and suitable for use in tropical conditions.	Yes	Yes/No	
d)	Suitable for water (both hot and cold) cleaning.	Yes <b>(Mandatory)</b>	Yes/No	
e)	Necessary literature which demonstrate the working of the machine in detail to be attached in the tender documents.	Yes <b>(Mandatory)</b>	.....(Y/N)	
<b>2</b>	<u>PERFORMANCE</u>			

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
--	---------------	-------------	------------	------------

a)	Water consumption approx.	750l/h	-----l/h	
b)	Water temperature max.	150°C	-----°C	
c)	Working pressure min.	150bar	-----bar	
d)	Power source	Electric, three phase, 400V,50HZ		
e)	Motor power approx.	7KW specify	-----	
f)	With a suitable heating oil system preferably diesel.	Yes Specify	____--(Y/N)	
g)	Heating oil consumption approx	4Kg/h	-----Kg/h	
h)	Fuel tank capacity approx.	20l	_____ -----l	
i)	With an inbuilt solvent tank of capacity approx.	Yes 10l	_____(Y/N) -----l	
j)	Dimensions lxwxh approx.	1000x700x1000 mm	---x---x--mm	
k)	Weight, approx.	100kg	----kgs	
l)	To have double stainless lance, Length approx.	Yes 1000mm	_____(Y/N) -----mm	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
m)	To be supplied with high pressure, high temperature hose, 10m length approx.	Yes	_____(Y/N)	
n)	To be supplied complete with pump, nozzles, electric cables, spray gun and the necessary tool kit..	Yes specify	_____(Y/N)	
o)	With suitable rubber wheels for ease of movement.	Specify Wheel ,no. and size		
<b>3                    MANUALS</b>				
a)	All literature in English Language	Yes <b>Mandatory</b>	_____(Y/N)	
b)	Repair manual supplied	One per machine <b>Mandatory</b>	_____(Y/N)	
c)	Parts catalogue supplied	One per machine <b>Mandatory</b>	_____(Y/N)	
d)	Operators handbook and service schedule supplied	One per machine <b>Mandatory</b>	_____(Y/N)	
<b>4                    WARRANTY</b>				

a)	Specimen of warranty to be submitted when tendering.	Yes, <b>Mandatory</b>	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Each equipment to carry manufacturer's statement of warranty.	Yes	_____(Y/N)	
c)	Warranty, 1 year min.	Specify	--- Yrs	
d)	Attach authorisation letter from manufacturer.	Yes, <b>Mandatory</b>	_____(Y/N)	
<b>5 OTHER REQUIREMENTS</b>				
a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----	

Tenderer's signature with official stamp

Date:

### **39. MEDIUM DUTY, REVERSIBLE PLATE COMPACTOR, PEDESTRIAN**

MOT&I/MTD/QMS/337

<b>SPECIFICATION NO. MTD-1592-104-20</b>		
<b>DESCRIPTION: MEDIUM DUTY, REVERSIBLE PLATE COMPACTOR, PEDESTRIAN.</b>		
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature , authorisation letter and specifications supplied	Yes(Mandatory)	---(Y/N)	

#### **1. GENERAL**

a)	A Standard production, medium duty reversible plate compactor of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	

d)	Suitable for compacting soils, concrete mix and bituminous material.	Yes	------(Y/N)	
e)	Any item not included in this specification but necessary for the efficient / enhanced operation of the equipment to be fitted.	Yes	------(Y/N)	

## 2. DIMENSIONS.

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a)	Overall length, approx.	1800 mm	----- mm	
b)	Overall width, approx.	650 mm	----- mm	
c)	Overall height , approx.	1100 mm	----- mm	
d)	Lowest passing height, approx.	800 mm	----- mm	
e)	Total weight, approx.	750kg	----- kg	
f)	Plate size, approx.	650mmwidthx 1000mmlength	-----x----- mm	
g)	Effective contact surface, approx.	650mmx 1000mm	----- mm	

## 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Petrol/diesel Engine.	Yes	------(Y/N)	
e)	Water/Air cooled.	specify		
f)	Number of cylinders,	specify	----- No.	

g)	Rated power output (HP/rpm) min.	14HP/3000rpm	----- Hp/rpm	
h)	Starting Mechanism.	specify		
i)	Air cleaner type replaceable or oil bath.	specify		
j)	Oil and fuel filter type	disposable		
k)	Fuel tank capacity.	Specify	----- Lt	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
l)	Engine performance curves supplied.	Yes	------(Y/N)	

#### 4. VIBRATORY SYSTEM AND PERFORMANCE.

a)	Drive System	Specify type	-----	
b)	Working width, approx	650mm	----- mm	
c)	Vibration frequency, approx.	50Hz	----- Hz	
d)	Applied force per impact, Kn, min.	90Kn	----- Kn	
e)	With water tank/spray bar	Yes	------(Y/N)	
f)	Capacity of each water tank, approx.	specify	----- Lt.	
g)	Coverage, m <sup>2</sup> /hr approx.	specify	----- m <sup>2</sup> /hr	
h)	Travel. speed, (m/min), approx.	30 m/min	----- m/min	
I)	Anti vibration rubber mountings between engine bedplate and vibrating base plate.	Yes	------(Y/N)	

j)	Edges of base plate curved to prevent digging or marking.	Yes	------(Y/N)	
k)	With reversible vibratory plates	Yes (Mandatory)	------(Y/N)	
l)	Vibration damped and height adjustable steering rod.	Yes	------(Y/N)	
m)	Step less front/rear speed control on steering rod.	Yes	------(Y/N)	
n)	With a suitable transport device	Yes	------(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
o)	Amplitude, aprox	2.5mm	-----mm	

#### 5. WARRANTY

a)	Compactor supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b)	Warranty duration.	12 months or 2000Hrs which ever comes first.	-----months  ----- Hrs	

#### 6. MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)	
b)	Repair Manual supplied.	One per m/c (Mandatory)	_____(Y/N)	
c)	Parts catalogue supplied.	1 set per machine (Mandatory)	_____(Y/N)	

d)	Operators hand book supplied.	One per m/c (Mandatory)	_____(Y/N)	
e)	Repair tool kit supplied.	One per m/c (Mandatory)	_____(Y/N)	
f)	Any other accessories	specify		

**7. OTHER REQUIREMENT**

a)	Machine will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b)	Franchise holder (representative in Kenya).  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	_____(Y/N)  -----	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Availability of spares.	Indicate where spares could be sourced.	----- ----- -----	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- ----- -----	

Tenderer's signature with official stamp

Date:

**40. LIGHT TANDEM ROLLER, VIBRATORY, 2.5 -3TON**

<b>SPECIFICATION NO. MTD-1609-104-20</b>			
<b>DESCRIPTION: LIGHT TANDEM ROLLER, VIBRATORY, 2.5 -3TON.</b>			
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY.:</b>	
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>			

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature, authorisation And Specifications Supplied	Yes, mandatory	---(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

## 1. GENERAL

a)	A Standard production, articulated vibrating tandem roller of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	To have a operator cabin (ROPS)/ canopy and suitable seat.	Yes	------(Y/N)	

## 2. DIMENSIONS.

a)	Overall length, approx.	2,450 mm	----- mm	
----	-------------------------	----------	----------	--

b)	Overall width, approx.	1300 mm	----- mm	
c)	Overall height, approx.	2600 mm	----- mm	
d)	Operating weight, approx.	2.5-3.0 Ton	----- Ton	
e)	Wheelbase, approx.	700mm	----- mm	
f)	Ground clearance, approx.	550mm	----- mm	
g)	Asphalt capacity approx.	1300m <sup>3</sup> /hr	m <sup>3</sup> /hr	
h)	Soil capacity approx.	220m <sup>3</sup> /hr	m <sup>3</sup> /hr	

### 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Diesel Engine.	Yes	------(Y/N)	
e)	Water/Air cooled.	specify		
f)	Number of cylinders, min.	2	----- No.	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
g)	Rated power output (HP/rpm), approx.	30Hp/2800	----- Hp/rpm	
h)	Starting Mechanism.	specify		
i)	Air cleaner type replaceable or oil bath.	specify		
j)	Oil and fuel filter type	disposable		
k)	Fuel tank capacity, approx.	20 Lt	----- Lt	

l)	Engine performance curves supplied.	Yes	------(Y/N)	
----	-------------------------------------	-----	-------------	--

**4. VIBRATORY SYSTEM AND PERFORMANCE.**

a)	Number of drums	2	-----No.	
b)	Drive System	specify	------(Y/N)	
c)	Working width, approx	1200mm	----- mm	
d)	Vibration frequency, approx.	55Hz	----- Hz	
e)	Amplitude approx.	0.5mm	----- mm	
f)	Propulsion	Both drums		
g)	Centrifugal force, KN, approx.	27	----- KN	
h)	Water sprinkler for drums.	Yes	------(Y/N)	
l)	Capacity of water sprinkler tank.	160 Lt	----- Lt.	
j)	Drum diameter, approx.	700mm	----- mm	
k)	Drum shell thickness, approx.	12mm	----- mm	
l)	Drive, speed.	specify no.	----- no.	
j)	Max. speed, (Km/h), approx.	10 Km/h	----- Km/h	
k)	cleaning scraper on each drum	Yes	------(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
l)	Static linear load front, approx.	11kg/cm	----- Kg/cm	
m)	Static linear load rear, approx.	11kg/cm	----- Kg/cm	
n)	Line load with vibration front, approx.	36kg/cm	----- Kg/cm	

o) Line load with vibration rear, approx.	36kg/cm	----- Kg/cm	
---	---------	----------------	--

## 5. WARRANTY

a) Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b) Warranty duration.	12 months or 2000Hrs which ever comes first	-----months ----- Hrs	

## 6. MANUALS AND EQUIPMENT.

a) All literature in the English language	Yes	------(Y/N)	
b) Repair Manual supplied.	One per m/c (Mandatory)	------(Y/N)	
c) Parts catalogue supplied.	1 set per machine (Mandatory)	------(Y/N)	
d) Operators hand book supplied.	One per m/c	------(Y/N)	
e) Repair tool kit supplied.	One per m/c	------(Y/N)	
f) Any other equipment	specify	------(Y/N)	

## 7. OTHER REQUIREMENT

a) Machine will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b) Franchise holder (representative in Kenya).  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	_____(Y/N)  -----	

c) Availability of spares.	Indicate where spares could be sourced.	----- ----- ----- ----- -----	
d) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- ----- ----- ----- -----	

Tenderer's signature with official stamp

Date:

**41. POKER VIBRATOR WITH FLEXIBLE SHAFT**

MOT&I/MTD/QMS/333

<b>SPECIFICATION NO. MTD-1639-104-20</b>	
<b>TENDERER'S NAME:</b>	<b>NO:</b>
<b>TENDER NO:</b>	<b>ITEM NO:</b>
<b>DESCRIPTION: POKER VIBRATOR WITH FLEXIBLE SHAFT</b>	

**TENDERER'S Column to be completed by ALL TENDERERS**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		

MANUFACTURER'S LITERATURE, AUTHORISATION AND SPECIFICATIONS SUPPLIED	Yes <b>(Mandatory)</b>	------(Y/N)	
--	---------------------------	-------------	--

**1. GENERAL**

a) A standard production, petrol powered poker vibrator with flexible shaft of latest design, robust construction in current production.	Yes, Yes, Yes	------(Y/N)	
b) Supplied new.	Yes	------(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	------(Y/N)	
d) Suitable for concrete works.	Yes <b>(Mandatory)</b>	------(Y/N)	
e) Portable and with suitable frames/metal tubes.	Yes	------(Y/N)	
f) Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted.	Yes	.....(Y/N)	

**2. DIMENSIONS.**

a) Tube length, approx.	440 mm	----- mm	
b) Tube diameter, approx.	50 mm	----- mm	
c) Flexible shaft total length.	4.0m	-----m	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d) Vibration frequency approx.	12000rpm	---rpm	

e) Tube weight, approx	10-17Kg	-----Kg	
<b>3. DRIVE UNIT</b>			
a) Make	-		
b) Model	-		
c) Country of origin	-		
d) Petrol Engine.	Yes	----- (Y/N)	
e) Air cooled.	Yes	----- (Y/N)	
f) Number of cylinders.	specify	----- No.	
g) Piston displacement	specify	----- cc	
h) Rated power, min.	4.2KW/ 2900rpm	----- w/rpm	
I) Engine performance curves supplied.	Yes	----- (Y/N)	
j) Drive unit weight approx.	30kg	----- __kg	
k) Average fuel consumption.	specify	----- (Y/N)	
l) Engine fuel tank capacity.	specify	----- Lt	
m) Supplied with interchangeable electric motor drive unit	Yes	----- (Y/N)	
<b>4. ACCESSORIES.</b>			
a) Manufacturers standard tool kit supplied	Yes	----- (Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b) Any other item deemed necessary for efficient or improved operation of the equipment supplied.	Specify		
<b>5. WARRANTY</b>			
a) Specimen of equipment warranty to be supplied when tendering.	Yes <b>(MANDATORY)</b>	----- (Y/N)	
b) Warranty duration, min 1 year	Specify duration	----- years / ----- - Hrs	
<b>6. MANUALS</b>			
a) All literature in English language	Yes	----- (Y/N)	
b) Repair Manual supplied.	One per m/c (Mandatory)	----- (Y/N)	
c) Parts catalogue supplied.	1 set per machine (Mandatory)	----- (Y/N)	
d) Operators hand book supplied.	One per m/c	----- (Y/N)	
e) Repair tool kit supplied.	One per m/c	----- (Y/N)	
<b>7. <u>OTHER REQUIREMENT</u></b>			
a) Equipment will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
b) Firm's Status: (Franchise holder/ Dealer/Agent)	Specify	_____ _____	

c) Availability of spares.	Indicate firms that stock equipment spare parts.	----- ----- ----- -----	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
		----- -----	
d) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- ----- -----	
e) Supplying firm to offer training on trouble shooting and maintenance of the equipment	Yes, specify No. of days and training venues	_____ _____ _____	

Tenderer's signature with official stamp

Date:

**42. PLATE COMPACTOR, PEDESTRIAN**

MOT&I/MTD/QMS/332

<b>SPECIFICATION NO. MTD-1640-104-18</b>		
<b>DESCRIPTION: PLATE COMPACTOR, PEDESTRIAN.</b>		
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
MAKE	-		

MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature , authorisation letter and specifications supplied	Yes(Mandatory)	---(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

## 1. GENERAL

a)	A Standard production, plate compactor of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	Suitable for compacting soils, concrete mix and bituminous material.	Yes	------(Y/N)	
e)	Any item not included in this specification but necessary for the efficient / enhanced operation of the equipment to be supplied.	Yes	------(Y/N)	

## 2. DIMENSIONS.

a)	Overall length, approx.	1500 mm	----- mm	
b)	Overall width, approx.	600 mm	----- mm	
c)	Overall height , approx.	1000 mm	----- mm	
d)	Lowest passing height, approx.	700 mm	----- mm	
e)	Total weight, approx.	100kg	----- kg	

f) Plate size, approx.	600mmwidthx 1000mmlength	-----x----- mm	
g) Effective contact surface, approx.	550mmx 900mm	----- mm	

### 3. ENGINE

a) Make	-		
b) Model	-		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Country of origin	-		
d) Petrol/diesel Engine.	Yes	------(Y/N)	
e) Water/Air cooled.	specify		
f) Number of cylinders,	specify	----- No.	
g) Rated power output (HP/rpm) min.	5HP/3600rpm	----- Hp/rpm	
h) Starting Mechanism.	specify		
i) Air cleaner type replaceable or oil bath.	specify		
j) Oil and fuel filter type	disposable		
k) Fuel tank capacity.	Specify	----- Lt	
l) Engine performance curves supplied.	Yes	------(Y/N)	

### 4. VIBRATORY SYSTEM AND PERFORMANCE.

a) Drive System	Specify type	-----	
-----------------	--------------	-------	--

b)	Working width, approx	600mm	----- mm	
c)	Vibration frequency, approx.	50Hz	----- Hz	
d)	Applied force per impact, Kn, min.	70	----- Kn	
e)	With water tank/spray bar	Yes	------(Y/N)	
f)	Capacity of each water tank, approx.	specify	----- Lt.	
g)	Coverage, m <sup>2</sup> /hr approx.	specify	----- m <sup>2</sup> /hr	
h)	Travel. speed, (m/min), approx.	15-20 m/min	----- m/min	
I)	Anti vibration rubber mountings between engine bedplate and vibrating base plate.	Yes	------(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
j)	Edges of base plate curved to prevent digging or marking.	Yes	------(Y/N)	
k)	With reversible vibratory plates	Yes (Mandatory)	------(Y/N)	
l)	Vibration damped and height adjustable steering rod.	Yes	------(Y/N)	
m)	Step less front/rear speed control on steering rod.	Yes	------(Y/N)	
n)	With a suitable transport device	Yes	------(Y/N)	
o)	Amplitude, aprox	2.5mm	-----mm	

## 5. WARRANTY

a)	Compactor supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b)	Warranty duration.	12 months or 2000Hrs which ever comes first.	-----months ----- Hrs	

#### 6. MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)	
b)	Repair Manual supplied.	One per m/c (Mandatory)	_____(Y/N)	
c)	Parts catalogue supplied.	1 set per machine (Mandatory)	_____(Y/N)	
d)	Operators hand book supplied.	One per m/c (Mandatory)	_____(Y/N)	
e)	Repair tool kit supplied.	One per m/c (Mandatory)	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	Any other accessories	specify		

#### 7. OTHER REQUIREMENT

a)	Machine will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes <b>(MANDATORY)</b>	_____(Y/N)	
b)	Franchise holder (representative in Kenya).  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	_____(Y/N)  -----	

c) Availability of spare parts.	Indicate where spares could be sourced.	----- ----- -----	
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- ----- ----- -----	

Tenderer's signature with official stamp

Date:

**43. REFUSE COLLECTION COMPACTOR TRUCK , 12m<sup>3</sup> CAPACITY**

MOT&I/MTD/QMS/328

**SPECIFICATION NO. MTD-1756-014-20**

<b>TENDER'S NAME:</b>			<b>NO:</b>
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>	
<b>DESCRIPTION: <u>REFUSE COLLECTION COMPACTOR TRUCK , 12m<sup>3</sup> CAPACITY.</u></b>			

**TENDERER'S Column to be completed by ALL TENDERERS**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**A. TRUCK (CAB-CHASSIS)**

--	--	--	--

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE , AUTHORIZATION AND SPECIFICATIONS SUPPLIED & IN ORIGINAL FORM.	Yes Mandatory	------(Yes/No)	

1. GENERAL

a)	A standard production, 4x2, 8 ton payload, 12 m <sup>3</sup> refuse collection compactor truck, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new.	Yes	------(Yes/No)	
c)	Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	
d)		Yes	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Suitable for collecting, compacting and transporting refuse.			
e)	Control Forward/Normal	Specify	-----	

2. DIMENSIONS AND WEIGHTS

a)	Overall length approx.	7,500mm	-----mm	
b)	Overall width, approx.	2,300mm	-----mm	
c)	Overall height approx.	3,400mm	-----mm	

d) Wheelbase, approx.	4,500mm	-----mm	
e) Length of chassis aft of cab, approx.	4,500mm	-----mm	
f) Kerb weight(excluding body), approx.	4,500Kg	-----kg	
g) G.V.W, approx.	18,000kg	-----kg	
h) Payload, approx.	8,000kg	-----ton	
i) Permissible/legal front (steering) axle load, max.	8,000Kg	-----Kg	
j) Permissible/legal rear (for dual wheels) axle load, max.	10,000Kg	-----Kg	
k) Ground clearance approx.	300mm	-----mm	
l) Rear overhang approx	1200mm	-----mm	

### 3. ENGINE

a) Make	-		
b) Model	-		
c) Country of origin	-		
d) Engine performance curves supplied.	Yes	----- (Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Diesel Engine, water-cooled, 4 Stroke.	Yes, Yes, Yes	----- (Yes/No)	
f) Mode of aspiration. (Natural/Turbocharged)	Specify	-----	
g) Piston displacement, approx.	5,000-10,000cc	-----cc	

h)	Number of cylinders, min.	4/6	-----no.	
i)	Maximum power output / rpm, min.	200HP / 2600rpm	-----HP/rpm	
j)	Maximum torque developed /rpm, min.	500Nm /1600rpm	-----Nm/rpm	
k)	Air cleaner type, disposable/ oil bath.	Specify	-----	
l)	Oil and fuel filter type	Disposable	-----	
m)	Average fuel consumption (on full load)	Specify	-----km/l	
n)	Fuel tank capacity, approx.	200Lt	-----Lt	
o)	Extra fuel tank fitted Capacity	Yes Specify	----- (Yes/No) -----Lt	

#### 4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate.	Yes, Yes	----- (Yes/No)	
b)	Clutch, system actuation, Hydraulic	Yes	----- (Yes/No)	
c)	Gearbox, synchromesh.	Yes	----- (Yes/No)	
d)	Number of speeds, min.	5F, 1R	-----F/---- R	
e)	Drive configuration.	4x2	----- x-----	

#### 5. BRAKES, TYRES AND SUSPENSION.

--	--	--	--	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a)	Brakes, hydraulic-pneumatic assisted.	Yes	----- (Yes/No)	

b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c)	Rear tyres.	Dual	-----	
d)	Tires size locally available.	Yes	------(Yes/No)	
e)	Optimum tire size	Specify	-----	
f)	Suspension, front and rear heavy-duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	

#### 6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	------(Yes/No)	
b)	Steering Type.	Assisted	-----	
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)	
d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Yes/No)	
b)	Battery capacity and size.	Specify	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
<b>8. EQUIPMENT ETC.</b>			
a) Heavy-duty type front fender.	Yes	------(Yes/No)	
b) Laminated (safety) windshield.	Yes	------(Yes/No)	
c) Sun visors supplied.	Yes	------(Yes/No)	
d) Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e) Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f) Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
g) Any other equipment (or accessories) supplied.	Specify	----- ----- ----- ----- -----	
h) Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
i) Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
j) Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	

**B. REFUSE COLLECTION COMPACTOR BODY**

<b>9. BODY CONSTRUCTION</b>			
a) The requirement is for a fabricated 10-12m <sup>3</sup> capacity refuse collection compactor body type to be mounted on the cab/ chassis.	<b>Yes, Yes</b>	_____(Y/N)	

b)	Designed to suit the given Truck chassis with minimum capacity.	Yes, 12m <sup>3</sup>	------(Y/N) -----m <sup>3</sup>	
----	---	--------------------------	------------------------------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE	
c)	Standard manufacturers shape	Yes	------(Yes/No)	
d)	Body dimensions approximately, Length, Width,	4000mm 2,200mm	-----mm -----mm	
e)	High tensile steel fabricated smooth sided full width refuse collection body.	Yes	------(Yes/No)	
f)	Fitted with under floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.	Yes	------(Yes/No)	
<b>10 HOPPER</b>				
a)	Fitted with a suitable high tensile abrasion resistant  Steel hopper for loading/unloading refuse.	Yes	------(Yes/No)	
b)	Swept volume capacity min.	2.4m <sup>3</sup>	----- -	
c)	Full uncluttered loading width	1.8m		
d)	Low rail height for manual loading versatile bin lift mounting.	Yes	------(Yes/No)	
e)	Bolt-on rail adaptor for bin lifts	Yes	------(Yes/No)	

f)	With pressed side plates forming integrated channels to guide the packing mechanism.	Yes	------(Yes/No)	
g)	With integral full height body/hopper seal to prevent liquid leakage from the bottom edge and hopper sides.	Yes	------(Yes/No)	

<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
h)	Reduced overhang for improved weight distribution and manoeuvrability.	Yes	------(Yes/No)	
<b>11. PACKING MECHANISM</b>				
a)	Fitted with a suitable high tensile abrasion resistant steel packing mechanism  Two plate fabricated packer/sweeper design	Yes	------(Yes/No)	
b)	Slides within hopper channels on low friction self lubricating bearings	Yes	------(Yes/No)	
c)	With heavy duty packer and sweeper cylinders.	Yes	------(Yes/No)	
d)	Cycle time approx.	20seconds	-----	
<b>12. REFUSE EJECTION BARRIER</b>				
a)	Fitted with a barrier face of suitable high tensile abrasion resistant steel forming a smooth and an unobstructed discharge surface.	Yes	------(Yes/No)	

b)	With suitable bearings for guiding the barrier along rails within the body.	Yes	------(Yes/No)	
c)	With multistage double acting hydraulic cylinder for efficient ejection and retraction.	Yes	------(Yes/No)	
<b>13. HYDRAULIC SYSTEM</b>				
a)	Fitted with a barrier face of suitable hydraulic system with PTO mounted close coupled pump, delivery rate 88l/min at 1000rpm	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Body mounted I tank with remote pressure fill with return line filter.	Yes	------(Yes/No)	
c)	Engine speed is maintained by electronic throttle control system when hydraulic power consumption increases.	specify		
d)	Separate spool electropneumatic operated valves control all systems functions.	specify		
e)	With heavy duty inverted sweeping cylinders fitted with maintenance free spherical bearings.	specify		
f)	With heavy duty inverted packing cylinders mounted outside the hopper, clear of the loading area.	specify		

g)	With roof mounted hopper lift cylinders	specify		
<b>14. ELECTRICAL AND ACCESSORIES</b>				
a)	Printed circuit board located in cab for easy access and maintenance	Yes	------(Yes/No)	
b)	Fully integrated system logic, fully water proofed side mounted junction box contained within a locker.	Yes	------(Yes/No)	
c)	Colour coded wiring.	Yes	------(Yes/No)	
d)	Weather proof switch, plug, socket connectors	Yes	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	With interlocks i.e. Automatic body/hopper.to prevent mechanisms from working unless the hopper is fully lowered, /automatic gear box, load holding valves, operation indicator and high level rear lights etc. to enhance safety	specify		
f)	Any other equipment.	Yes	------(Yes/No)	

#### 15. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	

#### 16. MANUALS

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle Mandatory	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle Mandatory	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle Mandatory	------(Yes/No)	

**17. ADDITIONAL REQUIREMENTS**

a)	Truck to be registered with the Registrar of Motor Vehicles.	Yes	------(Yes/No)	
b)	Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	------(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	------(Yes/No)  _____	
d)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____ _____ _____ _____	
e)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____ _____ _____ _____	

Tenderer's signature with official stamp

Date:

**44. REFUSE COLLECTION TRUCK (SIDE LOADER, NONE COMPACTING WITH EJECTION (TIPPING) SYSTEM AND CREW CABIN). 9TON**

MOT&I/MTD/QMS/462

<b>SPECIFICATION NO. MTD-1973-012-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: <u>REFUSE COLLECTION TRUCK (SIDE LOADER, NONE COMPACTING WITH EJECTION (TIPPING) SYSTEM AND CREW CABIN). 9TON</u></b>		

**TENDERER'S Column to be completed by ALL TENDERERS**

<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
----------------------	--------------------	-------------------	-------------------

**A. TRUCK (CAB-CHASSIS)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORIZATION AND SPECIFICATIONS SUPPLIED.	Yes Mandatory	----- (Yes/No)	

**1. GENERAL**

a)	A standard production, 4x2, 9 ton payload, refuse collection side loader truck, with ejection(tipping) system and crew cabin, of latest design, robust construction, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new.	Yes	------(Yes/No)	
c)	Designed to heavy-duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	
d)	Suitable for collecting, transporting and discharging refuse.	Yes	------(Yes/No)	
e)	To have a suitable crew cabin at the rear (after the drivers cab).	Yes Mandatory	------(Yes/No)	
f)	Truck to be loaded manually on both sides and to discharge (tip) refuse at the rear.	Yes Mandatory	------(Yes/No)	
g)	Control Forward/Normal	Specify	-----	

## 2. DIMENSIONS AND WEIGHTS

a)	Overall length, min.	8,000mm	_____mm	
b)	Overall width, approx.	2,300mm	_____mm	
c)	Overall height, min.	2,700mm	_____mm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Wheelbase, min.	4,700mm	_____mm	
e)	Length of chassis aft of cab, min.	6,400mm	_____mm	
f)	Kerb weight, min.	4,500Kg	_____Kg	
g)	G.V.W., min.	15,000kg	_____Kg	
h)	Payload min.	9,000 Kg	_____Kg	

i)	Permissible/legal front (steering) axle load, max.	8,000Kg	_____Kg	
j)	Permissible/legal rear (for dual wheels) axle load, max.	10,000Kg	_____Kg	
k)	Turning radius, approx.	8,800mm	-----mm	

### 3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Engine performance curves supplied.	Yes	_____ (Y/N)	
e)	Diesel Engine, water cooled, 4 Stoke.	Yes, Yes, Yes	_____ (Y/N)	
f)	Mode of aspiration. (Natural/Turbocharged)	specify	_____	
g)	Piston displacement, approx.	6,000 – 12,000cc	_____cc	
h)	Number of cylinders	6	_____No.	
i)	Maximum power output / rpm, min.	200Hp / 3000rpm	_____Hp/r pm	
j)	Maximum torque developed /rpm, min.	800Nm /1700rpm	_____Nm/rp m	
k)	Air cleaner type, disposable/ oil bath.	specify	_____	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
l)	Oil and fuel filter type	disposable	_____	
m)	Average fuel consumption (on full load)	specify	_____km/ l	

n) Fuel tank capacity, approx.	200Lt	_____Lt	
o) Extra fuel tank fitted Capacity	Yes specify	_____ (Y/N) _____Lt	

#### 4. CLUTCH AND TRANSMISSION

a) Clutch, dry type, single plate.	Yes, Yes	------(Yes/No)	
b) Clutch, system actuation, Hydraulic	Yes	------(Yes/No)	
c) Gearbox, synchromesh.	Yes	------(Yes/No)	
d) Number of speeds,min.	5F, 1R	-----F/---- R	
e) Drive configuration.	4x2	----- x-----	

#### 5. BRAKES, TYRES AND SUSPENSION.

a) Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b) Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c) Rear tyres.	Dual	-----	
d) Tires size locally available.	Yes	------(Yes/No)	
e) Optimum tire size	Specify	----- -	
f) Suspension, front and rear heavy- duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

#### 6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	------(Yes/No)	
b)	Steering Type, assisted.	Yes	------(Yes/No)	
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)	
d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts to conform to KEBS 06-664:1985 STANDARD.	Yes	------(Yes/No)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	------(Yes/No)	
b)	Battery capacity and size.	Specify	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	

#### 8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	------(Yes/No)	
b)	Laminated (safety) windshield.	Yes	------(Yes/No)	
c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
g)	Any other equipment (or accessories) supplied.	Specify	----- ----- -----	
h)	Vehicle to be fitted with electronic speed governor	Yes, Mandatory	------(Yes/No)	
i)	Governor to limit maximum speed to 80km/hr	Yes, Mandatory	------(Yes/No)	
j)	Governor to be tamper proof	Yes, Mandatory	------(Yes/No)	

## B. CREW CABIN

<b>9.</b>	<b>BODY CONSTRUCTION</b>			
<b>I</b>	<b>CREW CABIN</b>			
a)	A suitable all steel, spacious separate cabin after the drivers cabin to seat 3 crew members min. Comfortably, Length 1200mm.	Yes, Mandatory specify	------(Yes/No) .....	
b)	Cabin to have suitable lockable side doors with lockable windows on either side.	Yes, Mandatory Specify	------(Yes/No) .....	
c)	Cabin to have a suitable bench seat with cushions and back rest.	Yes, Mandatory Specify	------(Yes/No) .....	
<b>10</b>	<b>REFUSE COLLECTION BODY</b>			
a)	The requirement is for a fabricated steel refuse collection body type to be mounted on the cab chassis.	<b>Yes, Yes</b>	_____(Y/N)	
b)	Designed and fitted as per the Truck chassis manufacturers specifications.	Yes	------(Y/N)	

c)	Standard manufacturers shape – semi circular type cross section, diameter height, 2500x1800mm approx.	Yes, Specify	------(Yes/No) .....	
----	---	--------------	-------------------------	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Tipper body dimensions approx, Length Width height	4,000mm 2,500mm 1,800mm	-----mm -----mm -----mm	
e)	A suitable steel fabricated refuse collection and tipping body or any other suitable material strong and able to resist corrosion ; covered to prevent refuse falling during movement of truck	Yes Specify body material	------(Yes/No)	
f)	Body to have a suitable tipping mechanism at the front underside of body to enable refuse discharge.	Yes, Mandatory Specify type of tipping mechanism and where located	------(Yes/No) .....	
g)	Tipping controls to be located in the drivers cabin	Yes, Mandatory Specify	------(Yes/No) .....	
h)	To have suitable lateral opening (up-down sliding) doors with rails on the sides about 4No. for manual loading of refuse.	Yes, Mandatory Specify	------(Yes/No) .....	
i)	Body floor fabricated from 4mm thick mild steel plate (full width) reinforced.	Yes	----- (Y/N)	
j)	Fitted with under floor sump to prevent liquid seepage and to allow clean discharge of any liquid content.	Yes	------(Yes/No)	

k)	To have a suitable door at the rear for tipping (discharging) refuse.	Yes	------(Yes/No)	
l)	All doors to have suitable ladders/steps and grip handles.	Yes	------(Yes/No)	
m)	Suitable size tool box to be fitted under body on the left side.	Yes	----- (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
n)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Y/N)	
o)	Suitable size rear mudguards fitted.	Yes	----- (Y/N)	
p)	Stone guards fitted for tail lights.	Yes	----- (Y/N)	

## 11. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied to carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c)	Warranty duration min., 12 Months or 40,000 Km whichever occurs first.	Specify	-----Km -----Months	

## 12. MANUALS

a)	All literature in English language.	Yes	------(Yes/No)	
b)	Shop manuals/CD supplied.	1 per vehicle	------(Yes/No)	
c)	Parts catalogue supplied.	1 per vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per vehicle	------(Yes/No)	

**13. ADDITIONAL REQUIREMENTS**

a) All body steelwork to be thoroughly cleaned before painting to reduce corrosion. Both internal and exterior finish to be proceeded by one coat primer (red oxide) and intercoat. User to choose final colour and signage.	Yes, Yes, Yes	----- (Y/N)	
a) Truck to be registered with the Registrar of Motor Vehicles.	Yes	----- (Yes/No)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b) Truck to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification throughout the construction stages and prior to delivery to the user.	Yes Mandatory	----- (Yes/No)	
c) Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer	----- (Yes/No)  _____	
d) Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	_____ _____ _____ _____	
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	_____ _____ _____	

Tenderer's signature with official stamp

Date:

**45. FDS**

MOR/MTD/QMS/815

<b>SPECIFICATION NO. MTD-2038-283-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: MOBILE WORKSHOP TRUCK, 7-8TONS, 4X2,</b>		

MOR/MTD/QMS/815

<b>SPECIFICATION NO. MTD-2038-283-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: MOBILE WORKSHOP TRUCK, 7-8TONS, 4X2,</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
A. CAB-CHASSIS. (CARRIER)			
MAKE	-	-----	
MODEL	-	-----	
COUNTRY OF ORIGIN	-	-----	
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes, mandatory	------(Yes/No)	
1. GENERAL			

a)	A standard production, 4x2, 7-8 ton payload truck, of latest design, robust construction, in current production.	Yes, Yes, Yes	------(Yes/No)	
b)	Supplied new.	Yes	------(Yes/No)	
c)	Designed to heavy duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	
d)	Suitable for mobile workshop/service truck.	Yes	------(Yes/No)	
e)	Control Forward/Normal	Specify	-----	
f)	Any items not included in this specification but which	Yes	------(Yes/No)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.				
<b>2. DIMENSIONS AND WEIGHTS</b>				
a)	Overall length, approx.	7,500mm	-----mm	
b)	Overall width, approx.	2,500mm	-----mm	
c)	Overall height, approx.	2,600mm	-----mm	
d)	Wheelbase, approx..	4,200mm	-----mm	
e)	Length of chassis aft of cab, approx.	5,500mm	-----mm	
f)	Kerb weight, excluding weight of body approx.	3,500Kg	-----kg	

g)	Max. G.V.W, min.	10,000Kg	-----kg	
h)	Payload .	7,000-8,000 Kg	-----kg	
3. ENGINE				
a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	
d)	Engine performance curves supplied.	Yes	------(Yes/No)	
e)	Diesel Engine, water cooled, 4 Stroke.	Yes, Yes, Yes	------(Yes/No)	
f)	Mode of aspiration.	Turbo	-----	
g)	Piston displacement, approx.	5,000-10,000cc	-----cc	
h)	Number of cylinders	4/6	-----	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
i)	Maximum power output / rpm, min.	160HP/3000rpm	-----HP/rpm	
j)	Maximum torque developed /rpm, min.	440NM/1800rpm	-----Nm/rpm	
k)	Air cleaner type, disposable/ oil bath.	specify	-----	
l)	Oil and fuel filter type	disposable	-----	
m)	Average fuel consumption (on full load)	specify	-----km/l	
n)	Fuel tank capacity, approx.	200Lt	-----Lt	

o)	Extra fuel tank fitted Capacity	Yes specify	------(Yes/No) -----Lt	
4. CLUTCH AND TRANSMISSION				
a)	Clutch, dry type, single plate	Yes, Yes	------(Yes/No)	
b)	Clutch, system actuation	Yes	------(Yes/No)	
c)	Gearbox, synchromesh on 2-5	Yes	------(Yes/No)	
d)	Number of speeds, min.	5F, 1R	-----F/---- R	
e)	Drive configuration.	4x2	----- x-----	
5. BRAKES, TYRES AND SUSPENSION.				
a)	Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b)	Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c)	Rear tyres.	Dual	-----	
d)	Tires size locally available.	Yes	------(Yes/No)	
e)	Optimum tire size	specify	-----	
f)	Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
6. STEERING, CONTROL AND CAB.				
a)	Right Hand drive steering	Yes	------(Yes/No)	
b)	Steering Type.	assisted	-----	
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)	

d)	Adjustable driver's seat.	Yes	------(Yes/No)	
e)	Seat belts conforming to KEBS 06-664: 1985 STANDARD.	Yes (Mandatory)	------(Yes/No)	
7. ELECTRICAL SYSTEM AND INSTRUMENTS				
a)	System voltage, negative earth.	24V, Yes	------(Yes/No)	
b)	Battery capacity and size.	2x12V, 70AH	-----AH	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	
8. EQUIPMENT ETC.				
a)	Heavy duty type front fender.	Yes	------(Yes/No)	
b)	Laminated (safety) windshield.	Yes	------(Yes/No)	
c)	Sun visors supplied.	Yes	------(Yes/No)	
d)	Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e)	Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
g)	Vehicle to be fitted with electronic speed Governor with recorder and policing unit	<b>Mandatory</b>	------(Y/N)	

h)	Governor to limit maximum speed to 80km/hr	<b>Mandatory</b>	------(Y/N)	
i)	Governor to be tamper proof	<b>Mandatory</b>	------(Y/N)	
j)	Governor to be inspected by CM&TE before Delivery.	<b>Mandatory</b>	------(Y/N)	
k)	Fitted with a suitable towing bracket for towing lighting mast equipment	Yes	------(Yes/No)	
l)	Any other equipment (or accessories) supplied.	specify	----- -----	
<b>9 WARRANTY</b>				
a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b)	Each vehicle supplied should carry a statement of warranty.	Yes (Mandatory)	------(Yes/No)	
c)	Vehicle and Body warranty min., 40,000 Km or 12 Months whichever occurs first.	specify	-----Km -----Months	
<b>10. MANUALS</b>				
a)	All literature in English language	Yes	------(Yes/No)	
b)	Repair Manual, supplied.	1 per Vehicle	------(Yes/No)	
c)	Parts catalogue, supplied.	1 per Vehicle	------(Yes/No)	
d)	Driver's handbook and service schedule supplied.	1 per Vehicle	------(Yes/No)	
<b>B) BODY CONSTRUCTION</b>				
<b>1. SUPERSTRUCTURE</b>				

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a) Totally enclosed box type double skin aluminium alloy/ light metal alloy /steel body with aluminium alloy interior finish and reinforcements. Exterior plate thickness	2mm	-----mm	
b) Body Dimensions			
i) Outside Length appr.	5,500mm	-----mm	
ii) Outside width appr.	2,200mm	-----mm	
iii) Inside height appr.	2,000mm	-----mm	
2 REAR DOOR			
a) one double door in the rear	Yes	----- (Yes/No)	
b) Backentrance- ladder/ steel/ aluminium with non-skid steps.	Yes	----- (Yes/No)	
3 WINDOWS			
a) Two slidable windows at the right and two similar ones on the right of appr. dimensions:	550x650mm	-----x----- mm	
b) Suitable mud guards to be fitted			
c) Ventilation opening on the sides, min. 4no. including fan	4no.	-----no.	
4 WORK BENCH.			
a) Work bench provided with drawers and cabinet , all lockable	Yes	----- (Yes/No)	
b) Bench Dimensions			
i) Length, appr.	2,000mm	-----mm	
ii) Width, appr.	900mm	-----mm	

iii)	Height, appr.	700mm	-----mm	
c)	Clamping means provided , e.g. a Vice of min. dimension, width of	Yes,	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
jaw--160mm, span length---- 230mm.	give dimensions width of jaw----- span length-----	-----mm -----mm	

#### 5 INTERIOR LIGHTING AND POWER POINTS

a)	24 volt emergency fluorescent lights to be fitted and connected to vehicle battery.	Yes	------(Yes/No)	
b)	4 off interior roof lamps , wired in PVC cable enclosed in conduit and with switches adjacent to rear door	Yes	------(Yes/No)	
c)	4 off power points, two on each side of the body from 240v single phase and wired into appropriate fuse board /MCB which is in turn wired to the generator.	Yes	------(Yes/No)	

#### C) TOOLS & EQUIPMENT

##### 1. Air Compressor.

a)	One/two Cylinder Piston Compressor	Yes Specify make, model, country of origin	------(Yes/No)	
b)	Motor, 3KW	Yes	-----KW	
c)	Compressed air container, 90lt	Yes	-----lt	
d)	Max. pressure	10 bar	-----bar)	
2.	15 KVA Generator			

a)	MAKE	-	-----	
b)	MODEL	-	-----	
c)	COUNTRY OF ORIGIN	-	-----	
d)	Manufacturer's Literature and Specifications Supplied	Yes (Mandatory)	.....(Y/N)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
(To be forwarded together with these specifications when duly filled in.)				
e)	A Standard production generator, of latest design in class, robust construction, in current production.	Yes, Yes, Yes	.....(Y/N)	
f)	Supplied new and complete with cabling, fixed in truck and with exhaust	Yes	.....(Y/N)	
g)	Designed to heavy duty specifications, capable of operating in tropical conditions.	Yes, Yes, Yes, Yes	.....(Y/N)	
h)	Prime (continuous) rating min.	15KVA	-----KVA	
i)	Standby rating approx.	20kVA	----- KVA	
j)	Output voltage, with provision for both 3-phase and 1-phase.	380-440V 50HZ 3-PHASE / 220-240V 50HZ 1PHASE		
k)	Dry weight appr.	500 kg	-----kg	
l) Generator Dimensions				
	(i) length,	1,200mm	-----mm	
	(ii) width,	500mm	-----mm	
	(iii) height,	700mm	-----mm	

m)	Fuel type	Diesel	-----	
3	CRANE			
a)	Mono rail cranes for chain block able to slide to the outside of rear body	Yes mandatory Specify type	----- (Yes/No) -----	
b)	make	-	-----	
c)	model	-	-----	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Capacity, 4t approx.	Yes Specify capacity	----- (Yes/No) ----- -----t	
4	CHAIN BLOCK			
a)	make	-	-----	
b)	model	-	-----	
c)	Country of origin	-	-----	
d)	Capacity 3t	Yes Specify capacity	-----t	
5.	Lathe			
a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	
d)	Swing over bed	400mm	-----mm	
e)	Distance between centres	750mm	-----mm	
f)	Speed range	40-2000rpm	-----rpm	
6.	Bench drill			

a)	Two speed electric drilling machine boring capacity in steel/al drill chuck width on load speed	16/20mm 3-16mm 0-450rpm	-----/----- -----rpm -----mm	
b)	Drill stand provided	Yes	------(Yes/No)	
c)	Boring vice provided	Yes	------(Yes/No)	
d)	Twist Drills	Yes	------(Yes/No)	
7. Electrical Installation				
a)	Installation Bars	Yes, mounted on ceiling	------(Yes/No)	
b)	Protected Fluorescent Lamps, appr. 1300mm	Yes	------(Yes/No)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c)	Surface sockets	Yes	------(Yes/No)	
d)	Fuse box/MCB	Yes	------(Yes/No)	
8. Bench grinder				
a)	Electric bench grinder of capacity 400 watt and wheel diameter, 200mm	Yes Power----- diameter----- -----	-----watt -----mm	
b)	Angle Grinder, provided of no load speed parting wheel diameter	Yes 9300rpm 150mm	------(Yes/No) -----rpm -----mm	
9. Arc welding set				
a)	voltage	240V	-----	
b)	welding capacity	10mm steel,2-160A	-----	

c)	Dimensions, LxWxH--- (390x180x300mm)	LxWxH	-----x-----x----	
d)	Weight approx.	9kgs	-----	
10. Battery Charger				
a)	Main voltage, appr.	230/240volt	-----volt	
b)	Frequency, appr.	50-60 Hz	-----Hz	
c)	Capacity, appr.	2.2KVA	-----VA	
d)	Weight, appr.	30 Kg	-----Kg	
11. Gas Welding set				
a)	Oxygen and acetylene containers	Yes	------(Yes/No)	
b)	Oxygen and acetylene pressure regulators	Yes	------(Yes/No)	
c)	Gas cutting and welding torches	Yes	------(Yes/No)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Complete with trolley, hoses, eye protection glasses, welding gloves, lighter etc.	Yes	------(Yes/No)	
12	Oil tanks 800lts capacity with a suitable hand pump	Yes	------(Yes/No)	
13	Engineers Vices, various sizes min 2No.	Yes Specify size	------(Yes/No) -----	
14	Single black cast anvil	Yes	------(Yes/No)	
15	Portable grease field gun with pail and detachable hand gun, complete with delivery hose and connector	Yes	------(Yes/No)	

16	Paint spray gun 1 litre with hose,400mm	Yes	------(Yes/No)	
17	Hand operated oil volume bucket	Yes	------(Yes/No)	
18	Spark plug service unit	Yes	------(Yes/No)	
19	Axle stands 2no.	Yes	------(Yes/No)	
20	Ignition timing light			
21	Compressor tester, petrol	Yes	------(Yes/No)	
22	Compressor tester, diesel	Yes	------(Yes/No)	
23	<b>GREASING UNIT</b>			
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Direct pressure manual operated/equivalent	Yes	_____ (Y/N)	
e)	Die-cast steel head with pressure pump and carry handle	Yes	_____ (Y/N)	
f)	Capacity	15kg	_____ kg	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
g)	Complete with follower plate to prevent cavitation.	Yes	_____ (Y/N)	
h)	To include rigid extensions and 4-jaw coupler/equivalent	Yes	_____ (Y/N)	
i)	Delivery pressure	900Psi		
j)	Delivery per stroke	33cc		

k)	Hose length	1500mm	_____ mm	
24	FORCE FEED OIL CAN			
a)	Make			
b)	Model			
c)	Country of origin			
d)	Volume, approx.	250cc	_____ cc	
e)	Weight, approx.	230g	_____ g	
25	Universal puller heavy duty	Yes	------(Yes/No)	
26	Hydraulic trolley Jack of Cap. 20 and 5ton	Yes	------(Yes/No)	
27	Steel Cable Reel	Yes	------(Yes/No)	
28	Jerry cans, 20Lt cap.	Yes	------(Yes/No)	
29	Working light with stand with cable connection of 20m	Yes mandatory	------(Yes/No)	
30	Fire extinguishers, 6x3Kg assorted	Yes	------(Yes/No)	
31	<b>Bottle jacks 3No. 30,20,5 tons</b>	Specify capacity and number	-----tons ---- -----no.	
32	<b>MECHANIC TOOLKIT</b>			
a)	Make	-		
b)	Model	-		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Country of origin	-		

1.	Set of flat open ended chrome vanadium spanners 6-32mm (12 pieces) Sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
2.	Set of chrome vanadium ring spanner 6 to 32mm (12 pieces) 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
3.	Set of socket wrenches (10 to 32mm) plus chrome steel, 2 inch square drive, thin wall, 12-points sockets, complete with reversible ratchet, sliding T-bar, extension bars, speeder brace etc. in steel box. (23 pieces) 10,11,12,13,14,15,16,17,18,19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32 mm.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
4.	250x12mm flat screwdriver with shock proof handle.	Yes	_____ (Y/N)	
5.	150x8mm flat screwdriver with shock proof handle.	Yes	_____ (Y/N)	
6.	No. 3 cross slot screwdriver, of overall length 250mm.	Yes	_____ (Y/N) -----mm	
7.	No. 2 cross slot screwdriver, of overall length 200mm.	Yes	_____ (Y/N) -----mm	
8.	Stubby flat screwdriver of overall length 80mm, blade length approx. 25mm, 6.5 mm blade tip.	Yes Indicate overall length.	_____ (Y/N) -----mm	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
9	160mm snip nose pliers.	Yes	_____ (Y/N)	
10	180mm combination pliers.	Yes	_____ (Y/N)	
11	Internal circlip pliers, approx. 1200mm. External circlip pliers, approx. 180mm.	Yes Yes	_____ (Y/N) _____ (Y/N)	
12	160mm diagonal side cutters.	Yes	_____ (Y/N)	
13	1.5 lb ball pin hammer, length approx. 300mm.	Yes	_____ (Y/N)	
14	Set of 20 feeler gauges 100mm long range 0.05mm to 1mm.	Yes	_____ (Y/N)	
15	Set of 8 Allen keys 2.0 to 10mm range.	Yes	_____ (Y/N)	
16	300mm steel rule of section dimension: 30x1.0 mm.	Yes	_____ (Y/N)	
17	Adjustment, shaped handle, tubular hacksaw frame complete with 3 blades of blade length approx. 250 - 300mm, hacksaw length approx. 450mm, 1 piece.	Yes	_____ (Y/N)	
18	Set of 5 cold chisels 16x125, 18x150 and 25x200mm.	Yes	_____ (Y/N)	
19	5-tray sheet steel tool box to accommodate all the tools, dimension, 530mmx200mmx200mm.	Yes	_____ (Y/N)	
20	Medium Padlock with 2 keys.	Yes	_____ (Y/N)	
21	Plug spanner, double end and with swivel handle, dia. Inter/external 23/30, plug length mm144mm.	Yes length	_____ (Y/N) _____ mm	

22	Centre punch of overall length approx. 150mm ,	Yes	_____ (Y/N)	
----	--	-----	-------------	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
23	Set of Pin punch (6No) of various sizes.	Yes	_____ (Y/N)	
24	Brass drift (Tapper pin punch).	Yes	_____ (Y/N)	
25	250mm self-grip pliers, 1 piece.	Yes	_____ (Y/N)	
26	4 rows wire brush.	Yes	_____ (Y/N)	
27	315mm Adjustable pipe wrench, 1 piece	Yes	_____ (Y/N)	
28	300mm single ended open jaw wrenches.	Yes	_____ (Y/N)	
29	Drain plug wrenches, 220mm	Yes	_____ (Y/N)	
30.	Double ended ring wrenches,( 30x34 mm, 32x35 mm.).	Yes	_____ (Y/N)	
31.	Crow foot wrenches, sizes 13,17, 22, 24, 32, 36 mm.	Yes	_____ (Y/N)	
32	Combination wrench set, (9 pieces), sizes 10, 13, 16, 17, 18, 19, 21, 22, 24 mm.	Yes	_____ (Y/N)	
33	Manifold wrenches, sizes 11x13, 19x22 mm.	Yes	_____ (Y/N)	
34	Brake adjustment wrench, sizes 180 mm.	Yes	_____ (Y/N)	

35.	Double ended swivel wrench set, (7 pieces) Sizes: ( 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, mm).	Yes	_____ (Y/N)	
36	Flare nut ring wrenches, sizes 8x10, 30x32mm.	Yes	_____ (Y/N)	
37	Impact screwdriver set.	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
38.	Nut spinners, sizes: 6, 8, 12, 14 mm.	Yes	_____ (Y/N)	
39	Offset screwdrivers, sizes 8, 10, 12 mm.	Yes	_____ (Y/N)	
40	Coil ring compressors, capacity: 55-130mm.	Yes	_____ (Y/N)	
41	Piston ring compressors capacity: 50-100mm.	Yes	_____ (Y/N)	
42	Magnetic pick-up tools, size 16mm with lifting capacity of 3000g (3kg).	Yes	_____ (Y/N)	
43	Brake spring pliers, length, approx. 340mm.	Yes	_____ (Y/N)	
44	High performance soldering iron ., Rating: 400W Length, approx. 300mm Weight, approx. 1000g (1Kg).	Yes	_____ (Y/N)	
45	<b>TORX TOOLS</b> Screwdrivers, (multi-spline socket screws) Socket, Wrenches, 8 pieces, sizes 9, 10, 15, 20, 25, 27, 30, 40.	Yes Yes Yes	_____ (Y/N) _____ (Y/N) _____ (Y/N)	

33	<b>ELECTRICIAN TOOL KIT</b>			
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
1.	Ignition wrench set	Yes	_____ (Y/N)	
2.	Adjustable wrench	Yes	_____ (Y/N)	
3.	Pliers grip	Yes	_____ (Y/N)	
4.	Combination pliers	Yes	_____ (Y/N)	
5.	Snip nose	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
6.	Diagonal cutting nipper	Yes	_____ (Y/N)	
7.	End cutting nipper	Yes	_____ (Y/N)	
8.	Stripping tweezers.	Yes	_____ (Y/N)	
9.	Wire stripping pliers	Yes	_____ (Y/N)	
10.	Universal grip pliers	Yes	_____ (Y/N)	
11.	Screwdrivers, star (80mm, 100mm)	Yes	_____ (Y/N)	
12.	Screwdrivers, (pozi-drive-80mm, 100mm)	Yes	_____ (Y/N)	
13.	Bradawl, 190mm	Yes	_____ (Y/N)	
14.	Car light tester (16-24V)	Yes	_____ (Y/N)	
15.	Voltage tester (150-240V)	Yes	_____ (Y/N)	

16	Electrician screwdrivers (60x2.5 mm, 100x3.5 mm, 150x5 mm)	Yes	_____ (Y/N)	
17	Engineers screwdriver for plain shot screws (100x5.5 mm, 150x8 mm)	Yes	_____ (Y/N)	
18	Offset screwdriver for plain shot screw (100x5.5 mm, 150x8 mm)	Yes	_____ (Y/N)	
19	3-Claw pick up tools (535 mm)	Yes	_____ (Y/N)	
20	400g engineers hammer	Yes	_____ (Y/N)	
21	0.5 lb engineers ball pin hammer	Yes	_____ (Y/N)	
22	Flat cold chisel (175x22 mm)	Yes	_____ (Y/N)	
23	Splitting chisels (230x26 mm)	Yes	_____ (Y/N)	
24	Centre punch (120x4 mm)	Yes	_____ (Y/N)	
25	Hacksaw blades complete with frame	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
26	90/200 mm knives	Yes	_____ (Y/N)	
27	2m/78" measuring tape	Yes	_____ (Y/N)	
28	3-tray toolbox complete with padlock and keys.	Yes	_____ (Y/N)	
29	Open ended spanners: 4X5, 6X7, 8X9, 10X11, 12X13, 14X15.	Yes	_____ (Y/N)	
34	<b>PNEUMATIC WRENCH KIT</b>			
1)	Make	-		

2)	Model	-		
3)	Country of origin	-		
4)	Size ½" wrench drive min.	Specify size		
5	Torque range	25-800 ft.lbs	ft.lbs	
6)	Weight approx.	3Kg	Kg	
7)	Free speed approx.	8000rpm	rpm	
8.	Set of metric sockets 9-36mm (12 pieces min.) Sizes: 9, 10, 11, 12, 13, 14, 17, 22,24, 27, 30, 32, 36.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
<b>35. OTHER REQUIREMENTS</b>				
a)	Vehicle to be registered with the registrar of motor vehicles.	Yes (Mandatory)	------(Yes/No)	
b)	Vehicle to be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	------(Yes/No)	
c)	Firm's status: (Franchise holder/ Dealer/Agent)	Specify		
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Availability of spare parts	Indicate motor vehicle dealers who stock spare parts.	----- ----- ----- -----	
e)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify	----- ----- -----	

f)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
----	---	-----------------	------------	--

Tenderer's Signature

Official stamp.

Date:

**46. WORKSHOP TROLLEY JACK, 12T**

MOT&I/MTD/QMS/1184

<b>SPECIFICATION NO. MTD-2112-012-20</b>			
<b>TENDER'S NAME:</b>		<b>NO:</b>	
<b>TENDER NO:</b>		<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: WORKSHOP TROLLEY JACK, 12T</b>			

**TENDERER'S Column to be completed by ALL TENDERERS**

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a)	MAKE	-		
b)	MODEL	-		

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c)	COUNTRY OF ORIGIN	-		
d)	MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Y/N)	

1 GENERAL				
a)	A standard production, workshop trolley jack, 12t, of latest design, robust construction in current production marketed in Kenya.	Yes, Yes, Yes	----- (Y/N)	
b)	Supplied new and unused	Yes	Yes/No	
c)	Designed to heavy-duty specifications and suitable for use in tropical conditions.	Yes	Yes/No	
d)	Pedestrian/hand operated type.	Yes	Yes/No	
e)	Hydraulically operated	Yes (Mandatory)	----- (Y/N)	
f)	Suitable for workshop use	Yes	Yes/No	
g)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	..... (Y/N)	
2 <b><u>PERFORMANCE</u></b>				
a)	Capacity	12t	---t	
b)	Manually operated hydraulic pump and easily accessible controls.	Yes	_____ (Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c)	Fitted with built-in overload protection.	Yes	_____ (Y/N)	

d)	Minimum saddle height, approx.	250mm	_____ mm	
e)	Maximum saddle height.	600mm	_____ mm	
f)	Maximum lift.	400mm	_____ mm	
g)	Maximum height, approx	1000mm	_____ mm	
h)	Overall length	1500mm	_____ mm	
i)	Overall width	350mm	_____ mm	
j)	Cast metal wheel and casters fitted.	Yes	_____ (Y/N)	
k)	Weight with handle, approx.	130kg	_____ kg	
3            MANUALS				
a)	All literature in English Language	Yes	_____ (Y/N)	
b)	Repair manual supplied	One per machine	_____ (Y/N)	
c)	Parts catalogue supplied	One per machine	_____ (Y/N)	
d)	Operators handbook and service schedule Supplied.	One per machine	_____ (Y/N)	
4            WARRANTY				
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

a)	Specimen of warranty to be submitted when tendering.	Yes, Mandatory	_____(Y/N)	
b)	Each equipment to carry manufacturer's statement of warranty.	Yes	_____(Y/N)	
c)	Warranty, min.	12months	-----Month	
<b>5 OTHER REQUIREMENTS</b>				
a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	_____	

Tenderer's Signature

Official stamp.

Date:

**47. PORTABLE ANGLE GRINDER, 230MM**

MOT&I/MTD/QMS/1185

<b>SPECIFICATION NO. MTD-2113-012-20</b>	
<b>TENDER'S NAME:</b>	<b>NO:</b>
346	

TENDER NO:

ITEM NO:

QTY:

**DESCRIPTION: PORTABLE ANGLE GRINDER, 230MM**

**TENDERER'S Column to be completed by ALL TENDERERS**

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	------(Y/N)	
1	GENERAL			
a)	A standard production, portable angle grinder, 230mm, of latest design, robust construction in current production marketed in Kenya.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new and unused	Yes	Yes/No	
c)	Designed to heavy-duty specifications and suitable for use in tropical conditions.	Yes	Yes/No	
d)	With alloy bevel gear casing and sculpted composite motor housing	Yes	_____ (Y/N)	
	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE

e)	Stop lock spindle device for flash loading/unloading of grinding discs	Yes	_____ (Y/N)	
f)	Complete with side handle grinding disc and spanner	Yes	_____ (Y/N)	
g)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	
2	<b><u>PERFORMANCE</u></b>			
a)	Wheel size, aprox.	230mm	_____ mm	
b)	Power supply, 240V, 50Hz, single phase.	Yes	_____ (Y/N)	
c)	Power, input	Specify	_____ watts	
d)	No load speed	7,000 rpm	_____ rpm	
e)	Weight, aprox	5.0 kg	_____ kg	
f)	Length, aprox	500mm	_____ mm	
3	<b>MANUALS</b>			
a)	All literature in English Language	Yes	_____ (Y/N)	
b)	Repair manual supplied	One per machine	_____ (Y/N)	
c)	Parts catalogue supplied	One per machine	_____ (Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d)	Operators handbook and service schedule Supplied.	One per machine	_____(Y/N)	
4 WARRANTY				
a)	Specimen of warranty to be submitted when tendering.	Yes, Mandatory	_____(Y/N)	
b)	Each equipment to carry manufacturer's statement of warranty.	Yes	_____(Y/N)	
c)	Warranty, min.	12months	-----Month	
5 OTHER REQUIREMENTS				
a)	The Chief Mechanical and Transport Engineer will inspect equipment prior to delivery to the user.	Yes	_____(Y/N)	
b)	Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	_____	

Tenderer's Signature

Official stamp.

Date:

#### 48. BULLDOZER CUTTING EDGE & END BITS

MOT&I/MTD/QMS/1190

SPECIFICATION No. MTD-2116-082-20
TENDERER'S NAME: _____ NO: _____

	<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
	<b>DESCRIPTION: BULLDOZER CUTTING EDGE &amp; END BITS</b>		

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
<b>SPECIFY PLANT TYPE ( BULLDOZER )</b>	Specify		
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature, Specifications and Authority Supplied (To be forwarded together with these specifications when duly filled in.)	Yes <b>(Mandatory)</b>	.....(Y/N )	
<b><u>GUIDING NOTES:</u></b> <ul style="list-style-type: none"> <li>• <b>TENDERER IS EXPECTED TO INDICATE THE MAKE/MODEL OF THE DOZER FOR WHICH THE ATTACHMENT BELONG.</b></li> <li>• <b>THIS SPECIFICATION FORM SHOULD BE FILLED FOR ONE PARTICULAR MODEL ONLY</b></li> <li>• <b>WHERE SEVERAL MODELS ARE TO BE QUOTED FOR, THEN SEPARATE FORMS SHOULD BE USED.</b></li> </ul>			

**1. GENERAL**

a) Attachment to be of high quality, (made of high Carbon DH2 steel /equivalent ), in current production for the above quoted make/model.	Yes, Yes, Yes	.....(Y/N )	
b) Supplied new.	Yes	.....(Y/N )	
c)	Yes		

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
<b>SPECIFY PLANT TYPE ( BULLDOZER )</b>	Specify		
Designed to heavy-duty specifications, capable of operating in tropical conditions.		.....(Y/N )	
d) Suitable for unpaved, sandy, gravel , rocky roads and rough terrain	Yes	.....(Y/N )	
e) The tenderer is at liberty to quote for as many makes/model as possible as long as each model is placed on its own specification form.	Yes	.....(Y/N )	
h) Attach letter of authorisation from the manufacturer and the same to warranty against premature wear of the product under normal conditions.	Yes <b>(Mandatory)</b>	.....(Y/N )	
k) In case of premature failure product to be replaced at no cost to the department.	Yes <b>(Mandatory)</b>	.....(Y/N )	

## 2. CUTTING EDGES

High strength cutting edges, Straight tilt dozer type/size --  <b>DIMENSIONS, required sizes -</b> 1155mmx1No ..... mm <ul style="list-style-type: none"> <li>Length, approx.</li> <li>Width, approx. 240mm</li> <li>Thickness, approx. 25mm ..... mm</li> <li>To be supplied/quoted complete for one ----- Specify no of pieces -----</li> </ul>	Specify & fill -----  845mmx2No.,  ..... mm  Yes <b>(Mandatory)</b> (Y/N) machine. -----No.	-----  <b>mandatory</b>    i.e. 3 No.	
--	--	---	--

3	<b>OTHER REQUIREMENTS FOR CUTTING EDGES</b>	
---	---	--

a) Material requirements  C-0.6-1%, Si-0.3-0.8, Mn-0.5-1.1, Ni-0.4-0.8, Cr-0.5-1.0, Mo-0.2-0.5,	Yes (Mandatory)	_____(Y/N)	
---	-----------------	------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
<b>SPECIFY PLANT TYPE ( BULLDOZER )</b>	Specify		
Brinell Hardness- 400 HB minimum.  To be tested by Materials dept to confirm parameters.			
b) Number of holes (slots for bolts)	specify	-----	
c) Shape	specify	-----	
<b>4. END BITS</b>			

<p>Material same as for cutting edges(DH2 Steel)</p> <p><b>DIMENSIONS, SPECIFY</b></p> <ul style="list-style-type: none"> <li>• Length approx</li> <li>• Width, approx.</li> <li>• Thickness, approx.</li> </ul> <ul style="list-style-type: none"> <li>• To be supplied/quoted complete for one machine i.e. 2 No. Specify no of pieces</li> </ul>	Specify Make of the	-----	
	end bit.	-----	
	Country of origin	------(Y/N)	
	Yes( <b>Mandatory</b> )	..... mm	
		.....mm	
		..... mm	
	425-450mm	_____(Y/N)	
	240mm		
	25mm	-----No.	
	Yes mandatory		

**5 OTHER REQUIREMENT**

a)	A sample to be field tested for performance and durability prior to delivery of consignment	Yes ( <b>Mandatory</b> )	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S OFFER</b>	<b>COMPLIANCE</b>
	<b>SPECIFY PLANT TYPE ( BULLDOZER )</b>	Specify		
b)	Items to be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes ( <b>Mandatory</b> )	_____(Y/N)	

Tenderer's Signature	Official stamp.
Date:	

## 49. ROAD SWEEPER, TRACTOR TOWED

MOT&I/MTD/QMS/1205

<b>SPECIFICATION NO. MTD-2120-351-20</b>			
<b>TENDERER'S NAME</b> _____		<b>NO:</b> _____	
<b>TENDER NO:</b> _____		<b>ITEM NO:</b> _____	<b>QTY:</b> _____
<b>DESCRIPTION: ROAD SWEEPER, TRACTOR TOWED</b>			

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	_____	
MODEL	-	_____	
COUNTRY OF ORIGIN	-	_____	
MANUFACTURER'S LITERATURE AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	_____(Y/N)	
LETTER OF AUTHORISATION FROM THE MANUFACTURER	Yes (Mandatory)	_____(Y/N)	

### 1. GENERAL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a) A standard production, tractor towed road sweeper of latest design, in current production, marketed in Kenya.	Yes, Yes, Yes	_____(Y/N)	
b) Supplied new.	Yes	_____(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	_____(Y/N)	

d)	Suitable for sweeping and cleaning roads, floors and other hard surfaces.	Yes (Mandatory)	_____(Y/N)	
e)	Capable of homogeneous mixing for small and large working depths.	Yes (Mandatory)	_____(Y/N)	
f)	Fitted with appropriate tractor linkages	Yes (Mandatory)	_____(Y/N)	
g)	To be fitted to any standard tractor with engine power 40HP min. through the PTO.	Yes (Mandatory)	_____(Y/N)	

## 2. DIMENSIONS

a)	Length approx.	3,500 mm	_____mm	
b)	Width , approx.	2,500mm	_____mm	
c)	Height approx.	2,000mm	_____mm	
d)	Gross weight, approx.	specify	_____kg	

## 3. CONSTRUCTION AND PERFORMANCE

a)	Fitted with suitable water system, mechanical broom with height and rotation control systems.	Yes (Mandatory) Specify	_____(Y/N) -----	
b)	With hydraulic oil water cooler	Yes	_____(Y/N)	
c)	Sweeping width.	2,200 mm	_____mm	
d)	Sweeping speed, approx.	8-15kph	_____	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e)	Maximum speed, .	20-40kph	_____	
f)	Main brush diameter.	500 mm	_____mm	
g)	Main brush length.	1050 mm	_____mm	

h)	Side brush diameter.	700 -800 mm	_____mm	
i)	Water tank capacity	300l		
j)	Water pump pressure	35psi		
k)	Dust hopper capacity	1000l		
l)	Hydraulic tank	40l		
m)	Discharge height	1700mm		
h)	Tyre size	5.00x12		

#### 4. OTHER EQUIPMENT

a)	Greasing cups /fittings with good access provided on machine.	Yes	_____(Y/N)	
b)	Fully enclosed drive lines and fully covered	Yes	_____(Y/N)	
c)	Manufacturers tool kit provided	Yes	_____(Y/N)	

#### 6. WARRANTY

a)	Specimen of warranty to be submitted when tendering.	Yes	_____(Y/N)	
b)	Each equipment supplied should carry a statement of warranty.	Yes (Mandatory)	_____(Y/N)	
c)	Equipment warranty min.	12 months	_____ months	

#### 7. MANUALS

a)	All literature in English language	Yes (Mandatory)	_____(Y/N)	
b)		Yes (Mandatory)	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

Maintenance and service manual, supplied.			
c) Parts catalogue supplied.	Yes (Mandatory)	_____(Y/N)	
d) Owners Instructions Handbook supplied.	Yes (Mandatory)	_____(Y/N)	

8. OTHER REQUIREMENTS

a) Equipment will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
b) Firm's Status: (Franchise holder/ Dealer/Agent)	Specify	_____	
c) Names and addresses of dealers/agents where back-up service can be obtained.	Specify	----- -----	
d) Supplying firm to offer training on trouble shooting and maintenance of the equipment.	Yes	_____(Y/N)	

Tenderer's Signature

Official stamp.

Date:

**50. SKIP LOADER CONTAINER/LITTER BIN, 8-10 M<sup>3</sup> CAPACITY  
MOT&I/MTD/QMS/1636**

<b>SPECIFICATION NO. <u>MTD- 2519-398-20</u></b>	
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> __
<b>DESCRIPTION: SKIP LOADER CONTAINER/LITTER BIN, 8-10 M<sup>3</sup> CAPACITY</b>	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, authority and specifications supplied along with this tender.	Yes (Mandatory)	(Y/N)	

1. GENERAL

a)	A Standard production, skip loader container /litter bin, of latest design, in current production, marketed in Kenya.	Yes, Yes, Yes	_____(Y/N)	
b)	Supplied new.	Yes, Yes	_____(Y/N)	
c)	Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	
d)	Suitable for storing, transport and discharge of garbage/refuse,	Yes	_____(Y/N)	
e)	Skip container to be compatible with the 8-10m <sup>3</sup> truck mounted skip loader to ensure correct interfacing and safe use.	Yes (Mandatory)	(Y/N)	
f)	Suitable for hydraulically operated, 4x2, 9-10 ton truck mounted skip loader.	Yes, Yes  specify	_____(Y/N)  -----	
g)	Garbage capacity approx.	8-10m <sup>3</sup> (4-5tons)	----	

h) Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted.	Yes	.....(Y/N)	
--	-----	------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

2. DIMENSIONS, WEIGHTS AND PERFORMANCE.

a) Overall length, approx.	4,200 mm	----- mm	
b) Overall width approx.	1,800 mm	----- mm	
c) Overall height approx.	2,000 mm	----- mm	
d) Weight approx.	1,500kg	----kg	
e) Suitable for loading/unloading by hydraulically operated lifting boom of a truck mounted skip loader.	Yes	.....(Y/N)	
f) Garbage/refuse/waste capacity approx.	8-10m <sup>3</sup> (4-5tons)	----	
g) Skip container frame, body plates and all fittings such as hinges, locking devices to be fully welded.	Yes	.....(Y/N)	
h) All upper, lower and side edges are re-enforced with channel or rolled hollow sections.	Yes, mandatory	.....(Y/N)	
h) Sides and floor are re-enforced with a heavy duty channel or rolled hollow sections or equivalent.	Yes, mandatory	.....(Y/N)	

i)	Door locks are strong enough to keep the door(s) of a loaded container closed. They should withstand the forces exerted on them by the material in the container due to any movement during loading and travelling.	Yes specify	.....(Y/N) .....	
J)		Yes	.....(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Fitted with suitable lifting points 6No. min , locking devices and tipping bars, covers etc.	specify	.....	
k)	Suitable painting done to eliminate corrosion and rust	Yes specify	.....(Y/N) .....	
l)	Floor to be made such that fluids don't spill out during transport and floor easy to clean or drain at destination and to have fluid drain openings that are lockable	Yes mandatory specify	.....(Y/N) .....	

### 3. EQUIPMENT (ACCESSORIES) ETC

a)	Manufacturers complete tools kit supplied	Yes	_____(Y/N)	
----	---	-----	------------	--

### 4. WARRANTY

a)	Specimen of warranty to be submitted when tendering	Yes, Mandatory	_____(Y/N)	
b)	Each bin to carry manufacturers statement of warranty	Yes	_____(Y/N)	
c)	Skip container warranty, 1year min.	Specify	Years	

### 5. OTHER REQUIREMENT

a)	The Chief Mechanical and Transport Engineer will inspect Skip container /bin prior to delivery to the user.	Yes	_____(Y/N)	
b)	Firm' s Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c)	Names and locations of dealers/agents where back-up service can be obtained.	Specify	-----	
d)	Supplier to train user on operation	Yes, Mandatory	_____(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

6 MANUALS

a)	All literature in English Language	Yes	_____(Y/N)	
b)	Repair manual supplied	One per bin	_____(Y/N)	
c)	Parts catalogue supplied	One per bin	_____(Y/N)	
d)	Operators handbook and service schedule Supplied	One per bin	_____(Y/N)	

Tenderer's Signature

Company rubber stamp

Date:

**51. MOBILE SERVICE TRUCK , LIGHT DUTY, 3-5 TON**

**MOT&I/MTD/QMS/1468**

<b>SPECIFICATION NO. MTD-2529-283-20</b>			
<b>TENDER'S NAME:</b>		<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>	
<b>DESCRIPTION: MOBILE SERVICE TRUCK , LIGHT DUTY, 3-5 TON</b>			
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>			

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
A.	CAB-CHASSIS. (CARRIER)			
	MAKE	-		
	MODEL	-		
	COUNTRY OF ORIGIN	-		
	MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	
1.	<b>GENERAL</b>			
a)	A standard production, mobile service truck, light duty, 4x2, 3-5 ton payload truck, of latest design, robust construction, in current production.	Yes, Yes, Yes	----- (Yes/No)	
b)	Supplied new, unused.	Yes	----- (Yes/No)	

c)	Designed to heavy duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	----- (Yes/No)	
d)	Suitable for mobile workshop, light duty.	Yes	----- (Yes/No)	
e)	Control Forward/Normal	Specify	-----	
<b>2. DIMENSIONS AND WEIGHTS</b>				
a)	Overall length, min.	7,000mm	-----mm	
b)	Overall width, approx.	2,500mm	-----mm	
c)	Overall height, in.	2,100mm	-----mm	
d)	Wheelbase, min.	3,500mm	-----mm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Length of chassis aft of cab, min.	4,000mm	-----mm	
f)	Kerb weight, approx.	2,000Kg	-----kg	
g)	Max. G.V.W, min.	5,200Kg	-----kg	
h)	Payload approx.	3000-5000 Kg	-----kg	
<b>3. ENGINE</b>				
a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	

d)	Engine performance curves supplied.	Yes	------(Yes/No)	
e)	Diesel Engine, water cooled, 4 Stroke.	Yes, Yes, Yes	------(Yes/No)	
f)	Mode of aspiration. (Natural/Turbocharged)	specify	-----	
g)	Piston displacement, approx.	3,000-6,000cc	-----cc	
h)	Number of cylinders - 4/6	specify	-----	
i)	Maximum power output / rpm, min.	70KW / 3500rpm	-----KW/rpm	
j)	Maximum torque developed /rpm, min.	240Nm /1800rpm	-----Nm/rpm	
k)	Air cleaner type, disposable/ oil bath.	specify	-----	
l)	Oil and fuel filter type	disposable	-----	
m)	Average fuel consumption (on full load)	specify	-----km/l	
n)	Fuel tank capacity, approx.	100Lt	-----Lt	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
o) Extra fuel tank fitted Capacity	Yes specify	------(Yes/No) -----Lt	
4. CLUTCH AND TRANSMISSION			
a) Clutch, dry type, single plate	Yes, Yes	------(Yes/No)	
b) Clutch, system actuation	Yes	------(Yes/No)	
c) Number of speeds, min.	5F, 1R	-----F/---- R	
d) Drive configuration.	4x2	----- x-----	
5. BRAKES, TYRES AND SUSPENSION.			
a) Brakes, hydraulic-pneumatic assisted.	Yes	------(Yes/No)	
b) Mechanical parking brake to act on transmission.	Yes	------(Yes/No)	
c) Rear tyres.	Dual	------(Yes/No)	
d) Tires size locally available.	Yes	------(Yes/No)	
e) Optimum tire size	specify	-----	
f) Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	------(Yes/No)	
6. STEERING, CONTROL AND CAB.			
a) Right Hand drive steering	Yes	------(Yes/No)	
b) Steering Type Manual/assisted.	assisted	-----	
c) All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	------(Yes/No)	
d) Adjustable driver's seat.	Yes	------(Yes/No)	
	365	Mandatory	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) All seats to have safety belts that conform to the standard No. 06-664 of 1985.	Yes, Yes Mandatory	------(Yes/No)	
<b>7. ELECTRICAL SYSTEM AND INSTRUMENTS</b>			
a) System voltage, negative earth.	24V, Yes	------(Yes/No)	
b) Battery capacity and size.	2x12V, 70AH	-----AH	
c) Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	------(Yes/No)	
d) Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	------(Yes/No)	
<b>8. EQUIPMENT ETC.</b>			
a) Heavy duty type front fender.	Yes	------(Yes/No)	
b) Laminated (safety) windshield.	Yes	------(Yes/No)	
c) Sun visors supplied.	Yes	------(Yes/No)	
d) Rear view mirrors (external both sides and internal) supplied.	Yes	------(Yes/No)	
e) Full size spare tyre with rim and carrier mounted under truck.	Yes	------(Yes/No)	
f) Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	------(Yes/No)	
g) Vehicle to be fitted with a modern electronic speed governor	Yes Mandatory	------(Yes/No)	
h) Governor to limit maximum speed to 80km/hr	Yes Mandatory	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
i) Governor to be tamper proof	Yes Mandatory	------(Yes/No)	
j) Any other equipment (or accessories) supplied.	specify	----- ----- -----	
9 WARRANTY			
a) Specimen of vehicle warranty to be submitted when tendering.	Yes	------(Yes/No)	
b) Each vehicle supplied should carry a statement of warranty.	Yes Mandatory	------(Yes/No)	
c) Vehicle and Body warranty min., 40,000 Km or 12 Months whichever occurs first.	specify	-----Km -----Months	
10. MANUALS			
a) All literature in English language	Yes	------(Yes/No)	
b) Repair Manual/CD, supplied.	1 per Vehicle Mandatory	------(Yes/No)	
c) Parts catalogue/CD, supplied.	1 per Vehicle Mandatory	------(Yes/No)	
d) Driver's handbook and service schedule supplied.	1 per Vehicle	------(Yes/No)	
B BODY CONSTRUCTION			
1. SUPERSTRUCTURE			

a)	Totally enclosed box type light metal / steel body with aluminium alloy interior Min. Thickness	2.0mm	-----mm	
b)	Body Dimensions			

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
i)	Outside Length appr.	4800mm	-----mm	
ii)	Outside width appr.	2500mm	----- mm	
iii)	Inside height appr.	2000mm	----- mm	
2	<b>REAR DOOR</b>			
a)	one double door in the rear	Yes	----- (Yes/No)	
b)	Back entrance-ladder/steel/aluminium with non skid steps.	Yes	----- (Yes/No)	
3	<b>WINDOWS</b>			
a)	Two slidable windows at the right and two similar ones on the left of approx. dimensions:	550x650mm	-----x----- mm	
b)	Ventilation opening on the sides, min. no.	2no.	-----no.	
4	<b>WORK BENCH.</b>			
a)	Work bench provided with drawers and cabinet, all lockable	Yes	----- (Yes/No)	
b)	Bench Material:	Metal	-----	

c)	Bench Dimensions			
i)	Length, appr.	1500mm	-----mm	
ii)	Width,appr.	700mm	-----mm	
iii)	Height, appr..	700mm	-----mm	
d)	Clamping means provided, g Vice of min. dimensions: Width of jaw, approx.	Yes,  160mm	-----  -----mm	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
span length		230mm.	-----mm	
<b>5 INTERIOR LIGHTING AND POWER POINTS</b>				
a)	24 volt emergency fluorescent lights to be fitted and connected to vehicle battery.	Yes	----- (Yes/No)	
b)	4 off interior roof lamps , wired in PVC cable enclosed in conduit and with switches adjacent to rear door	Yes	----- (Yes/No)	
c)	4 off power points , two on each side of the body from 240v single phase and wired into appropriate fuse board which is in turn wired to the generator.	Yes	----- (Yes/No)	
<b>C TOOLS &amp; EQUIPMENT</b>				
<b>1. Air Compressor.</b>				
a)	One Cylinder Piston Compressor	Yes	----- (Yes/No)	
b)	Motor, min power, approx.	3KW	----- KW	

c)	Compressed air container, 90lt	Yes	-----lt	
d)	Max. pressure, 10 bar	Yes	-----bar)	
2.	Generator			
a)	Electric Generator	Yes	------(Yes/No)	
b)	Capacity,	9KVA	-----KVA	
c)	Power factor, min	0.8	-----	
d)	Connection single/three phase	Specify		

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Voltage,	415/240	----- volt	
f)	Weight, approx.	120 kg	-----kg	
g)	Generator Dimensions			
	(i) length,	800mm	-----mm	
	(ii) Width,.	500mm	-----mm	
	(iii) height,	600mm	-----mm	
3.	Trolley jacks			
a)	Trolley jacks of approx. capacity 3ton	Yes	-----ton	
b)	Trolley jacks of approx. capacity 8ton	Yes	-----ton	
4)	Fire extinguisher, 6X3 Kg	Yes	-----Kg	
5.	CRANE			

a)	Mono rail cranes for chain block	Yes Specify type	-----	
b)	make	-	_____	_____
c)	model	-	-----	
	Capacity, 3.0t approx.	Yes Specify capacity	----- (Yes/No) -----t	
6.	Chain block			
a)	make	-	-----	
b)	model	-	-----	
c)	Country of origin	-	-----	
d)	Capacity 2.5t min	Yes Specify capacity	-----t	
7	Engineers Vices, various sizes,  Min. No.	Yes 2	----- (Yes/No) ----- No.	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
8	<b>Bottle jacks</b>	30,20,10 ton capacity and number-3	-----tons --- -----no.	
9	<b>Drilling machine</b>			
a)	Two speed electric drilling machine boring capacity in steel/al drill chuck width on load speed	16/20mm 3-16mm 0-450rpm	-----/ -----rpm -----mm	
b)	Drill stand provided	Yes	----- (Yes/No)	
c)	Boring vice provided	Yes	----- (Yes/No)	
d)	Twist Drills	Yes	----- (Yes/No)	

10. Electrical Installation			
a)	Installation Bars	Yes, mounted on ceiling	------(Yes/No)
b)	Protected Fluorescent Lamps, appr. 1300mm	Yes	------(Yes/No)
c)	Surface sockets	Yes	------(Yes/No)
d)	Fuse box/MCB	Yes	------(Yes/No)
11. Bench grinder			
a)	Electric bench grinder of capacity 400 watt and wheel diameter, 200mm	Yes Power----- diameter----- -----	-----watt -----mm
b)	Angle Grinder, provided of no load speed parting wheel diameter	Yes 9300rpm 150mm	------(Yes/No) -----rpm -----mm
12. Arc welding set			
a)	voltage	240V	-----

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b)	welding capacity	10mm steel,2-160A	-----	
c)	Dimensions, LxWxH--- (390x180x300mm)	LxWxH	-----x-----x----	
d)	Weight approx.	9kgs	-----	
13. Battery Charger				
a)	Main voltage, appr.	230/240volt	-----volt	
b)	Frequency, appr.	50-60 Hz	-----Hz	

c)	Capacity, appr.	2.2KVA	-----VA	
d)	Weight, appr.	30 Kg	-----Kg	
14.	Gas Welding set			
a)	Oxygen and acetylene containers	Yes	----- (Yes/No)	
b)	Oxygen and acetylene pressure regulators	Yes	----- (Yes/No)	
c)	Gas cutting and welding torches	Yes	----- (Yes/No)	
d)	Complete with trolley, hoses, eye protection glasses, welding gloves, lighter etc.	Yes	----- (Yes/No)	
15	Oil tanks 400lts capacity with suitable hand pump 2No.	Yes	----- (Yes/No)	
16	Single black cast anvil	Yes	----- (Yes/No)	
17	Portable grease field gun with pail and detachable hand gun, complete with delivery hose and connector	Yes	----- (Yes/No)	
18	Paint spray gun 1 litre with hose, 400mm	Yes	----- (Yes/No)	
19				

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Hand operated oil volume bucket	Yes	----- (Yes/No)	
20	Spark plug service unit	Yes	----- (Yes/No)	
21	Axle stands 2no.	Yes	----- (Yes/No)	

22	Ignition timing light	Yes	----- (Yes/No)	
23	Compressor tester, petrol	Yes	----- (Yes/No)	
24	Compressor tester, diesel	Yes	----- (Yes/No)	
25	GREASING UNIT			
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Direct pressure manual operated/equivalent	Yes	_____ (Y/N)	
e)	Die-cast steel head with pressure pump and carry handle	Yes	_____ (Y/N)	
f)	Capacity	15kg	_____ kg	
g)	Complete with follower plate to prevent cavitation.	Yes	_____ (Y/N)	
h)	To include rigid extensions and 4-jaw coupler/equivalent	Yes	_____ (Y/N)	
i)	Delivery pressure	900Psi		
j)	Delivery per stroke	33cc		
k)	Hose length	1500mm	_____ mm	
26	FORCE FEED OIL CAN			
a)	Make			
b)	Model			
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Country of origin			

d)	Volume, approx.	250cc	_____ cc	
e)	Weight, approx.	230g	_____ g	
27	Universal puller heavy duty	Yes	------(Yes/No)	
28	Steel Cable Reel, 30m	Yes	------(Yes/No)	
29	Jerry cans, 2No. 20Lt cap.	Yes	------(Yes/No)	
30	Working light with stand with cable connection of 20m	Yes mandatory	------(Yes/No)	
31A HEAVY DUTY PLANT MECHANIC TOOLS KIT				

1. GENERAL.

a)	Standard production, heavy duty plant mechanic tools of latest design in the class, robust construction in current production.	Yes	_____ (Y/N)	
b)	Supplied new.	Yes	_____ (Y/N)	
c)	Most suitable for heavy plant repairs.	Yes	_____ (Y/N)	
d)	Manufacturer's literature, warranty and specifications for all the tools and equipment, supplied	Yes, (Mandatory)	_____ (Y/N)	
e)	With suitable heavy duty sheet steel tool boxes and trays to accommodate all the tools	Yes (Mandatory) specify	_____ (Y/N) -----	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

f)	With suitable padlocks and keys	Yes (Mandatory) specify	_____ (Y/N)  ----- -	
2. HEAVY DUTY PLANT MECHANIC TOOL KIT				
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		

### 3. HEAVY PLANT TOOL BOX METRIC AND IMPERIAL TOOLS

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
1	OPEN ENDED SPANNERS	5.5 x 7 mm	1	_____ (Y/N)	
2	OPEN ENDED SPANNERS	8 x 10 mm	1	_____ (Y/N)	
3	OPEN ENDED SPANNERS	11 x 13 mm	1	_____ (Y/N)	
4	OPEN ENDED SPANNERS	17 x 19 mm	1	_____ (Y/N)	
5	OPEN ENDED SPANNERS	22 x 24 mm	1	_____ (Y/N)	
6	OPEN ENDED SPANNERS	27 x 30 mm	1	_____ (Y/N)	

7	OPEN ENDED SPANNERS	32 x 36 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
8	OPEN ENDED SPANNERS	3/8 x 7/16"	1	_____	
				(Y/N)	
9	OPEN ENDED SPANNERS	1/2 x 9/16"	1	_____	
				(Y/N)	
10	OPEN ENDED SPANNERS	5/8 x 11/16	1	_____	
				(Y/N)	
11	OPEN ENDED SPANNERS	3/4 x 5/8"	1	_____	
				(Y/N)	
12	OPEN ENDED SPANNERS	13/16 x 7/8	1	_____	
				(Y/N)	
13	OPEN ENDED SPANNERS	7/8 x 15/16"	1	_____	
				(Y/N)	
14	OPEN ENDED SPANNERS	14 x 15 mm	1	_____	
				(Y/N)	
15	OPEN ENDED SPANNERS	16 x 17 mm	1	_____	
				(Y/N)	
16	OPEN ENDED SPANNERS	18 x 19 mm	1	_____	
				(Y/N)	
17	OPEN ENDED SPANNERS	20 x 22 mm	1	_____	
				(Y/N)	

18	OPEN ENDED SPANNERS	21 x 23 mm	1	_____	
				(Y/N)	
19	OPEN ENDED SPANNERS	36 x41 mm	1	_____	
				(Y/N)	
20	OPEN ENDED SPANNERS	46 x50 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
21	RING SPANNERS	5.5 X 7 mm	1	_____	
				(Y/N)	
22	RING SPANNERS	8 x 10 mm	1	_____	
				(Y/N)	
23	RING SPANNERS	11 x 13 mm	1	_____	
				(Y/N)	
24	RING SPANNERS	17 x 19 mm	1	_____	
				(Y/N)	
25	RING SPANNERS	22 x 24 mm	1	_____	
				(Y/N)	
26	RING SPANNERS	27 x 30 mm	1	_____	
				(Y/N)	
27	RING SPANNERS	32 x 36 mm	1	_____	
				(Y/N)	
28	RING SPANNERS	3/8 x 7/16"	1	_____	
				(Y/N)	

29	RING SPANNERS	1/2 x 9/16	1	_____	
				(Y/N)	
30	RING SPANNERS	3/4 x 25/32"	1	_____	
				(Y/N)	
31	RING SPANNERS	13/16 x 7/8"	1	_____	
				(Y/N)	
32	RING SPANNERS	15/16 x 1"	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
33	RING SPANNERS	14 x 15 mm	1	_____	
				(Y/N)	
34	RING SPANNERS	16 x 17 mm	1	_____	
				(Y/N)	
35	RING SPANNERS	18 x 19 mm	1	_____	
				(Y/N)	
36	RING SPANNERS	20 x 22 mm	1	_____	
				(Y/N)	
37	RING SPANNERS	21 x 23 mm	1	_____	
				(Y/N)	
38	RING SPANNERS	36 x 41 mm	1	_____	
				(Y/N)	
39	RING SPANNERS	46 x 50 mm	1	_____	
				(Y/N)	

40	RING SPANNERS	5/5 x 11/16	1	_____	
				(Y/N)	
41	BOX SPANNERS 1/2" SQUARE DRIVE	9 mm	1	_____	
				(Y/N)	
42	BOX SPANNERS 1/2" SQUARE DRIVE	10 mm	1	_____	
				(Y/N)	
43	BOX SPANNERS 1/2" SQUARE DRIVE	11 mm	1	_____	
				(Y/N)	
44	BOX SPANNERS 1/2" SQUARE DRIVE	12 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
45	BOX SPANNERS 1/2" SQUARE DRIVE	13 mm	1	_____	
				(Y/N)	
46	BOX SPANNERS 1/2" SQUARE DRIVE	14 mm	1	_____	
				(Y/N)	
47	BOX SPANNERS 1/2" SQUARE DRIVE	15 mm	1	_____	
				(Y/N)	
48	BOX SPANNERS 1/2" SQUARE DRIVE	16 mm	1	_____	
				(Y/N)	
49	BOX SPANNERS 1/2" SQUARE DRIVE	17 mm	1	_____	
				(Y/N)	
50	BOX SPANNERS 1/2" SQUARE DRIVE	18 mm	1	_____	
				(Y/N)	

51	BOX SPANNERS 1/2" SQUARE DRIVE	19 mm	1	_____	
				(Y/N)	
52	BOX SPANNERS 1/2" SQUARE DRIVE	20 mm	1	_____	
				(Y/N)	
53	BOX SPANNERS 1/2" SQUARE DRIVE	21 mm	1	_____	
				(Y/N)	
54	BOX SPANNERS 1/2" SQUARE DRIVE	22 mm	1	_____	
				(Y/N)	
55	BOX SPANNERS 1/2" SQUARE DRIVE	23 mm	1	_____	
				(Y/N)	
56	BOX SPANNERS 1/2" SQUARE DRIVE	24 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
57	BOX SPANNERS 1/2" SQUARE DRIVE	26 mm	1	_____	
				(Y/N)	
58	BOX SPANNERS 1/2" SQUARE DRIVE	3/8"	1	_____	
				(Y/N)	
59	BOX SPANNERS 1/2" SQUARE DRIVE	7/16"	1	_____	
				(Y/N)	
60	BOX SPANNERS 1/2" SQUARE DRIVE	1/2"	1	_____	
				(Y/N)	
61	BOX SPANNERS 1/2" SQUARE DRIVE	9/16"	1	_____	
				(Y/N)	

62	BOX SPANNERS 1/2" SQUARE DRIVE	5/8"	1	_____	
				(Y/N)	
63	BOX SPANNERS 1/2" SQUARE DRIVE	11/16"	1	_____	
				(Y/N)	
64	BOX SPANNERS 1/2" SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
65	BOX SPANNERS 1/2" SQUARE DRIVE	13/16"	1	_____	
				(Y/N)	
66	BOX SPANNERS 1/2" SQUARE DRIVE	7/8"	1	_____	
				(Y/N)	
67	BOX SPANNERS 1/2" SQUARE DRIVE	15/16"	1	_____	
				(Y/N)	
68	BOX SPANNERS 1/2" SQUARE DRIVE	1"	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
69	BOX SPANNERS 4 mm SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
70	BOX SPANNER 46 mm SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
71	BOX SPANNER 50 mm SQUARE DRIVE	3/4"	1	_____	
				(Y/N)	
72	BOX SPANNERS 1/2" SQUARE DRIVE	11/16"	1	_____	
				(Y/N)	

73	BOX SPANNERS 1/2" SQUARE DRIVE	41 mm	1	_____ (Y/N)	
74	BOX SPANNERS 1/2" SQUARE DRIVE	46 mm	1	_____ (Y/N)	
75	BOX SPANNERS 1/2" SQUARE DRIVE	50 mm	1	_____ (Y/N)	
76	1/2" REVERSIBLE RATCHET	STD	1	_____ (Y/N)	
77	1/2" EXTENSION BAR	125 mm	1	_____ (Y/N)	
78	1/2" NUT SPINNER HANDLE	STD	1	_____ (Y/N)	
79	1/2" CROSS BAR	STD	1	_____ (Y/N)	
80	1/2" SPEEDER HANDLE	STD	1		

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____ (Y/N)	
81	1/2" SLIDING T. HANDLE	STD	1	_____ (Y/N)	
82	1/2" UNIVERSAL JOINT	STD	1	_____ (Y/N)	
83	1/2" EXTENSION BAR	125 mm	1	_____ (Y/N)	

84	3/4 CROSS BAR		1	_____ (Y/N)	
85	3/4 EXTENSION BAR		1	_____ (Y/N)	
86	ALLEN KEYS	5/16"	1	_____ (Y/N)	
87	ALLEN KEYS	3/8"	1	_____ (Y/N)	
88	ALLEN KEYS	1/2"	1	_____ (Y/N)	
89	STUD REMOVER	1"	1	_____ (Y/N)	
90	BRASS BAR	20 X 200 mm	1	_____ (Y/N)	
91	ADJUSTABLE SPANNER	200 mm	1	_____ (Y/N)	
92	PIPE WRENCH	350 mm	1		

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____ (Y/N)	
93	CHAIN WRENCH	STD	1	_____ (Y/N)	
94	GRIP PLIERS	250 mm	1	_____ (Y/N)	

95	ADJUSTABLE WRENCH	300 mm	1	_____	
				(Y/N)	
96	ADJUSTABLE WRENCH	450 mm	1	_____	
				(Y/N)	
97	ADJUSTABLE WRENCH	20 mm	1	_____	
				(Y/N)	
98	COMBINATION PLIER	200 mm	1	_____	
				(Y/N)	
99	CUTTING PLIER	150 mm	1	_____	
				(Y/N)	
100	NEEDLE NOSE PLIER	150 mm	1	_____	
				(Y/N)	
101	DIAGONAL CUTTING PLIER	150 mm	1	_____	
				(Y/N)	
102	SNAP RING PLIER	STD	1	_____	
				(Y/N)	
103	FLAT SCREW DRIVER	50 mm	1	_____	
				(Y/N)	
104	FLAT SCREW DRIVER	100 mm	1		

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
105	FLAT SCREW DRIVER	150 mm	1	_____	
				(Y/N)	

106	STAR SCREW DRIVER	75 mm	1	_____	
				(Y/N)	
107	STAR SCREW DRIVER	100 mm	1	_____	
				(Y/N)	
108	STAR SCREW DRIVER	150 mm	1	_____	
				(Y/N)	
109	FLAT STUBBY DRIVER	93 mm	1	_____	
				(Y/N)	
110	FLAT STUBBY DRIVER	93 mm	1	_____	
				(Y/N)	
111	OFF SET DRIVER	NO. 1 X 5 mm	1	_____	
				(Y/N)	
112	OFF SET DRIVER	NO. 2 X 6 mm	1	_____	
				(Y/N)	
113	INTERGRAL HANDLE SCREW DRIVER	360 mm	1	_____	
				(Y/N)	
114	BALL PEIN HAMMER	450g	1		
115	BALL PEIN HAMMER	650g	1	_____	
				(Y/N)	
116	SCREW EXTRANOR	STD	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
117	TEST HAMMER	200g	1	_____	
				(Y/N)	

118	BOX SPANNER ¾ SQUARE DRIVE	27 mm	1	_____ (Y/N)	
119	BOX SPANNER ¾ SQUARE DRIVE	29 mm	1	_____ (Y/N)	
120	BOX SPANNER ¾ SQUARE DRIVE	30 mm	1	_____ (Y/N)	
121	BOX SPANNER ¾ SQUARE DRIVE	32 mm	1	_____ (Y/N)	
122	BOX SPANNER ¾ SQUARE DRIVE	35 mm	1	_____ (Y/N)	
123	BOX SPANNER ¾ SQUARE DRIVE	36 mm	1	_____ (Y/N)	
124	BOX SPANNER ¾ SQUARE DRIVE	38 mm	1	_____ (Y/N)	
125	BOX SPANNER ¾ SQUARE DRIVE	41 mm	1	_____ (Y/N)	
126	BOX SPANNER ¾ SQUARE DRIVE	46 mm	1	_____ (Y/N)	
127	BOX SPANNER ¾ SQUARE DRIVE	50 mm	1	_____ (Y/N)	
128	BOX SPANNER ¾ SQUARE DRIVE	1 1/8"	1	_____ (Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
--	-------------	------	-----	------------	------------

129	BOX SPANNER ¾ SQUARE DRIVE	1 1/4"	1	_____	
				(Y/N)	
130	BOX SPANNER ¾ SQUARE DRIVE	1 5/16"	1	_____	
				(Y/N)	
131	BOX SPANNER ¾ SQUARE DRIVE	1 7/16"	1	_____	
				(Y/N)	
132	BOX SPANNER ¾ SQUARE DRIVE	1 1/2"	1	_____	
				(Y/N)	
133	BOX SPANNER ¾ SQUARE DRIVE	1 5/8"	1	_____	
				(Y/N)	
134	BOX SPANNER ¾ SQUARE DRIVE	1 11/16"	1	_____	
				(Y/N)	
135	BOX SPANNER ¾ SQUARE DRIVE	1 13/16"	1	_____	
				(Y/N)	
136	3/4" EXTENSION BAR	75 mm	1	_____	
				(Y/N)	
137	3/4" NUT SPINNER HANDLE	STD	1	_____	
				(Y/N)	
138	3/4" UNIVERSAL JOINT	STD	1	_____	
				(Y/N)	
139	HEXAGON WRENCH (ALLEN KEYS)	2.5 mm	1	_____	
				(Y/N)	
140	HEXAGON WRENCH (ALLEN KEYS)	3 mm	1	_____	
				(Y/N)	

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
141	HEXAGON WRENCH (ALLEN KEYS)	4 mm	1	_____	
				(Y/N)	
142	HEXAGON WRENCH (ALLEN KEYS)	5 mm	1	_____	
				(Y/N)	
143	HEXAGON WRENCH (ALLEN KEYS)	8 mm	1	_____	
				(Y/N)	
144	HEXAGON WRENCH (ALLEN KEYS)	10 mm	1	_____	
				(Y/N)	
145	HEXAGON WRENCH (ALLEN KEYS)	12 mm	1	_____	
				(Y/N)	
146	HEXAGON WRENCH (ALLEN KEYS)	14 mm	1	_____	
				(Y/N)	
147	HEXAGON WRENCH (ALLEN KEYS)	3/16"	1	_____	
				(Y/N)	
148	HEXAGON WRENCH (ALLEN KEYS)	7/32"	1	_____	
				(Y/N)	
149	HEXAGON WRENCH (ALLEN KEYS)	1/4"	1	_____	
				(Y/N)	
150	PLASTIC HAMMER	450g	1	_____	
				(Y/N)	
151	COPPER HAMMER	900g	1	_____	
				(Y/N)	
152	ENGINEER'S FILE SET 5PCS/SET	250mm	1	_____	
				(Y/N)	

153	NEEDLE FILE SET 5PCS/SET	200mm	1		
	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
				_____ (Y/N)	
154	OIL STONE COMBINATION	No. 80, No. 300	1	_____ (Y/N)	
155	WIRE BRUSH 3 ROW WITH SCRAPER	310 mm	1	_____ (Y/N)	
156	PARTS CLEANING BRUSH	300 mm	1	_____ (Y/N)	
157	GASKET SCRAPER	190 mm	1	_____ (Y/N)	
158	WOOL CUTTING SCISSOR	240 mm	1	_____ (Y/N)	
159	MAGNETIC FINGER	520 mm	1	_____ (Y/N)	
160	PRY BAR	STD	1	_____ (Y/N)	
161	PINCH BAR	STD	1	_____ (Y/N)	
1162	CHISEL AND PUNCH SET	STD	1	_____ (Y/N)	
163	OILER	STD	1	_____ (Y/N)	

164	VERNIER CALIPER	STD	1	_____	
				(Y/N)	
165	MEASURING TAPE	5M	1		

	DESCRIPTION	SIZE	QTY	TENDERER'S	COMPLIANCE
				_____	
				(Y/N)	
166	STEEL RULE	STD	1	_____	
				(Y/N)	
167	THICKNESS GAUGE FEELER GAUGE) mm	0.01mm - 3.0 mm	1	_____	
				(Y/N)	
168	COMBINED SPANNER	7 mm	1	_____	
				(Y/N)	
169	COMBINED SPANNER	8 mm	1	_____	
				(Y/N)	
170	COMBINED SPANNER	10 mm	1	_____	
				(Y/N)	
171	COMBINED SPANNER	11 mm	1	_____	
				(Y/N)	
172	COMBINED SPANNER	12 mm	1	_____	
				(Y/N)	
173	COMBINED SPANNER	13 mm	1	_____	
				(Y/N)	
174	COMBINED SPANNER	14 mm	1	_____	
				(Y/N)	

175	COMBINED SPANNER	15 mm	1	_____	
				(Y/N)	
176	COMBINED SPANNER	16 mm	1	_____	
				(Y/N)	
177	COMBINED SPANNER	17 mm	1	_____	
				(Y/N)	
	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>QTY</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
				_____	
				(Y/N)	
178	COMBINED SPANNER	18 mm	1	_____	
				(Y/N)	
179	COMBINED SPANNER	19 mm	1	_____	
				(Y/N)	
180	COMBINED SPANNER	20 mm	1	_____	
				(Y/N)	
181	COMBINED SPANNER	21 mm	1	_____	
				(Y/N)	
182	COMBINED SPANNER	22 mm	1	_____	
				(Y/N)	
183	COMBINED SPANNER	24 mm	1	_____	
				(Y/N)	
184	COMBINED SPANNER	30 mm	1	_____	
				(Y/N)	
185	COMBINED SPANNER	32 mm	1	_____	
				(Y/N)	

186	COMBINED SPANNER	36 mm	1	_____	
				(Y/N)	
187	COMBINED SPANNER	46 mm	1	_____	
				(Y/N)	
188	COMBINED SPANNER	50 mm	1	_____	
				(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
<b>31.B MECHANICS TOOL KIT</b>				
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
1.	Set of flat open ended chrome vanadium spanners 6-32mm (12 pieces) Sizes: 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32mm.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
2.	Set of chrome vanadium ring spanner 6 to 32mm (12 pieces) 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	

3.	Set of socket wrenches (10 to 32mm) plus chrome steel, 2 inch square drive, thin wall, 12-points sockets, complete with reversible ratchet, sliding T-bar, extension bars, speeder brace etc in steel box. (23 pieces) 10,11,12,13,14,15,16,17,18,19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32 mm.	Yes, Indicate by ticking the ones supplied	_____ (Y/N)	
4.	250x12mm flat screwdriver with shock proof handle.	Yes	_____ (Y/N)	
5.	150x8mm flat screwdriver with shock proof handle.	Yes	_____ (Y/N)	
6.	No. 3 cross slot screwdriver, of overall length 250mm.	Yes	_____ (Y/N)  ----- mm	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
7.	No. 2 cross slot screwdriver, of overall length 200mm.	Yes	_____ (Y/N)  ----- mm	
8	Stubby flat screwdriver of overall length 80mm, blade length approx. 25mm, 6.5 mm blade tip.	Yes Indicate overall length.	_____ (Y/N)  -----mm	
9	160mm snip nose pliers.	Yes	_____ (Y/N)	
10	180mm combination pliers.	Yes	_____ (Y/N)	
11	Internal circlip pliers, approx. 1200mm. External circlip pliers, approx. 180mm.	Yes Yes	_____ (Y/N) _____ (Y/N)	

12	160mm diagonal side cutters.	Yes	_____ (Y/N)	
13	1.5 lb ball pin hammer, length approx. 300mm.	Yes	_____ (Y/N)	
14	Set of 20 feeler gauges 100mm long range 0.05mm to 1mm.	Yes	_____ (Y/N)	
15	Set of 8 Allen keys 2.0 to 10mm range.	Yes	_____ (Y/N)	
16	300mm steel rule of section dimension: 30x1.0 mm.	Yes	_____ (Y/N)	
17	Adjustment, shaped handle, tubular hacksaw frame complete with 3 blades of blade length approx. 250 - 300mm, hacksaw length approx. 4500mm, 1 piece.	Yes	_____ (Y/N)	
18	Set of 5 cold chisels 16x125, 18x150 and 25x200mm.	Yes	_____ (Y/N)	
19		Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	5-tray sheet steel tool box to accommodate all the tools, dimension, 530mmx200mmx200mm/equivalent .			
20	Medium Padlock with 2 keys.	Yes	_____ (Y/N)	
21	Plug spanner, double end and with swivel handle, dia. Inter/external 23/30, plug length mm144mm.	Yes length	_____ (Y/N) _____ mm	
22	Centre punch of overall length approx. 150mm	Yes	_____ (Y/N)	

23	Set of Pin punch (6No) of various sizes.	Yes	_____ (Y/N)	
24	Brass drifts (Tapper pin punch).	Yes	_____ (Y/N)	
25	250mm self grip pliers, 1 piece.	Yes	_____ (Y/N)	
26	4 rows wire brush.	Yes	_____ (Y/N)	
27	315mm Adjustable pipe wrench, 1 piece	Yes	_____ (Y/N)	
28	300mm single ended open jaw wrenches.	Yes	_____ (Y/N)	
29	Drain plug wrenches, 220mm	Yes	_____ (Y/N)	
30.	Double ended ring wrenches,( 30x34 mm, 32x35 mm.).	Yes	_____ (Y/N)	
31.	Crow foot wrenches, sizes 13,17, 22, 24, 32, 36 mm.	Yes	_____ (Y/N)	
32	Combination wrench set, (9 pieces), sizes 10, 13, 16, 17, 18, 19, 21, 22, 24 mm.	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
33	Manifold wrenches, sizes 11x13, 19x22 mm.	Yes	_____ (Y/N)	
34	Brake adjustment wrench, sizes 180 mm.	Yes	_____ (Y/N)	
35.	Double ended swivel wrench set, (7 pieces) Sizes: ( 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, mm).	Yes	_____ (Y/N)	

36	Flare nut ring wrenches, sizes 8x10, 30x32mm.	Yes	_____ (Y/N)	
37	Impact screwdriver set.	Yes	_____ (Y/N)	
38.	Nut spinners, sizes: 6, 8, 12, 14 mm.	Yes	_____ (Y/N)	
39	Offset screwdrivers, sizes 8, 10, 12 mm.	Yes	_____ (Y/N)	
40	Coil ring compressors, capacity: 55-130mm.	Yes	_____ (Y/N)	
41	Piston ring compressors capacity: 50-100mm.	Yes	_____ (Y/N)	
42	Magnetic pick-up tools, size 16mm with lifting capacity of 3000g (3kg).	Yes	_____ (Y/N)	
43	Brake spring pliers, length, approx. 340mm.	Yes	_____ (Y/N)	
44	High performance soldering iron ., Rating: 400W Length, approx. 300mm Weight, approx. 1000g (1Kg).	Yes	_____ (Y/N)	
45	<b>TORX TOOLS</b> Screwdrivers, (multi-spline socket screws) Socket, Wrenches, 8 pieces, sizes 9, 10, 15, 20, 25, 27, 30, 40.	Yes Yes Yes	_____ (Y/N) _____ (Y/N) _____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
31C	<b>AUTO-ELECTRICIANS TOOL KIT</b>			
a)	Make	-		
b)	Model	-		
c)	Country of origin	-		

1.	Ignition wrench set	Yes	_____ (Y/N)	
2.	Adjustable wrench	Yes	_____ (Y/N)	
3.	Pliers grip	Yes	_____ (Y/N)	
4.	Combination pliers	Yes	_____ (Y/N)	
5.	Snip nose	Yes	_____ (Y/N)	
6.	Diagonal cutting nipper	Yes	_____ (Y/N)	
7.	End cutting nipper	Yes	_____ (Y/N)	
8.	Stripping tweezers.	Yes	_____ (Y/N)	
9.	Wire stripping pliers	Yes	_____ (Y/N)	
10.	Universal grip pliers	Yes	_____ (Y/N)	
11.	Screwdrivers, star (80mm, 100mm)	Yes	_____ (Y/N)	
12.	Screwdrivers, (pozi-drive 80mm, 100mm)	Yes	_____ (Y/N)	
13.	Bradawl, 190mm	Yes	_____ (Y/N)	
14.	Car light tester (16-24V)	Yes	_____ (Y/N)	
15.	Voltage tester (150-240V)	Yes	_____ (Y/N)	
16.	Electrician screwdrivers (60x2.5 mm, 100x3.5 mm, 150x5 mm)	Yes	_____ (Y/N)	
17.	Engineers screwdriver for plain shot screws (100x5.5 mm, 150x8 mm)	Yes	_____ (Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
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18	Offset screwdriver for plain shot screw (100x5.5 mm, 150x8 mm)	Yes	_____ (Y/N)	
19	3-Claw pick up tools (535 mm)	Yes	_____ (Y/N)	
20	400g engineers hammer	Yes	_____ (Y/N)	
21	0.5 lb engineers ball pin hammer	Yes	_____ (Y/N)	
22	Flat cold chisel (175x22 mm)	Yes	_____ (Y/N)	
23	Splitting chisels (230x26 mm)	Yes	_____ (Y/N)	
24	Centre punch (120x4 mm)	Yes	_____ (Y/N)	
25	Hacksaw blades complete with frame	Yes	_____ (Y/N)	
26	90/200 mm knives	Yes	_____ (Y/N)	
27	2m/78" measuring tape	Yes	_____ (Y/N)	
28	3-tray toolbox complete with padlock and keys.	Yes	_____ (Y/N)	
29	Open ended spanners: 4X5, 6X7, 8X9, 10X11, 12X13, 14X15.	Yes	_____ (Y/N)	
32	PNEUMATIC WRENCH KIT			
1)	Make	-		
2)	Model	-		
3)	Country of origin	-		
4)	Size ½" wrench drive min.	Specify size	..	

5	Torque range	25-800 ft.lbs	ft.lbs	
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	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
6)	Weight approx.	3Kg	Kg	
7)	Free speed approx.	8000rpm	rpm	
8.	Set of metric sockets 9-32mm (10 pieces min.) Sizes: 9, 10, 11, 12, 13, 14, 17, 22,24, 27, 30, 32.	Yes, Mandatory	_____ (Y/N)	
33	<b>BODY FINISHING</b>			
	Any body steel work to be thoroughly cleaned before painting. Both internal and exterior finish to be preceded by one coat primer ( red oxide ) and intercoat.  Final Colour, signage and branding to be requested by user.	Yes, Yes, Yes  Mandatory	----- (Yes/No)	
34	<b>EQUIPMENT WARRANTY &amp; MANUALS</b>			
a)	Specimen of the Equipment warranty to be submitted when tendering.	Yes, (Mandatory)	----- (Y/N)	
b)	Warranty duration, min. one (1) year	Yes, Indicate period	_____ Year/s	
c)	Manufacturers literature and authority to be supplied	Yes, (Mandatory)	----- (Y/N)	

d)	Specimen of vehicle /equipment warranty to be submitted when tendering.	Yes, (Mandatory)	----- (Y/N)	
e)	Warranty duration min., 12 Months whichever occurs first.	specify	----- Months	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
35	<b>OTHER REQUIREMENTS</b>			
a)	Vehicle to be registered with the registrar of motor vehicles.	Yes (Mandatory)	_____ (Y/N)	
b)	Vehicle to be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____ (Y/N)	
c)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify		
d)	Availability of spare parts	Indicate motor vehicle dealers who stock spare parts.		
e)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify		
f)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____ (Y/N)	

Tenderer's Signature

Official stamp.

Date: \_\_\_\_\_

### 52. 3-WHEELER (TRI-CYCLE) GARBAGE TIPPER

MOT&I/MTD/QMS/1489

SPECIFICATION NO. <b>MTD-2543-041-20</b>	
TENDERER'S NAME _____	NO: _____
TENDER NO: _____	ITEM NO: _____ QTY: __
DESCRIPTION: <b>3-WHEELER (TRI-CYCLE) GARBAGE TIPPER</b>	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	_____	
MODEL	-	_____	
COUNTRY OF ORIGIN	-	_____	
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	_____(Y/N)	

#### 1. GENERAL

a)	A Standard production, 3-wheeler (tri-cycle) garbage tipper, of latest design, in robust construction, in current production.	Yes, Yes, Yes	_____(Y/N)	
b)	Supplied new.	Yes	_____(Y/N)	
c)	Designed to export specifications, capable of operating in tropical conditions.	Yes	_____(Y/N)	
d)	Suitable for operating on both "on and off" road conditions.	Yes	_____(Y/N)	

e)	Most suitable for door to door garbage collection, and dumping at dumping site, nearest refuse container/refuse compactor	Yes	_____(Y/N)	
f)	Any item necessary for the efficient operation or completeness of this tri-cycle but not included in this specification to be supplied/fitted.	Yes	_____(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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2. DIMENSIONS, WEIGHTS AND PERFORMANCE

a)	Overall length, approx.	3,300mm	_____mm	
b)	Overall width, approx.	1,500mm	_____mm	
c)	Overall height, approx.	1,600mm	_____mm	
d)	Wheelbase, approx.	1,900mm	_____mm	
e)	G.V.W. min	900Kg	_____Kg	
f)	Kerb weight min	500Kg	_____Kg	
g)	Pay load, min.	<b>400Kg</b>	_____-----Kg	
h)	Maximum designed speed	specify	_____	
i)	Turning radius, max.	3,000mm	_____mm	
j)	Minimum ground clearance.	170mm	-----mm	

3. ENGINE

a)	Make	-	_____	
b)	Model	-	_____	
c)	Country of origin	-	_____	
d)	Engine performance curves supplied.	Yes	_____(Y/N)	

e)	Engine type, petrol, 2 stroke, Forced air cooled.	Yes	_____(Y/N)	
f)	Piston displacement range.	350cc - 450cc	_____cc	
g)	Number of cylinders.	1	_____No.	
h)	Maximum power output / rpm, min.	7HP / 4,000rpm	_____HP rpm	
i)	Maximum torque developed /rpm, min.	16Nm / 2,300rpm	_____Nm rpm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
j)	Engine aspiration, natural	Natural	_____	
k)	Air filter, disposable/oil bath	Specify	_____	
l)	Oil and fuel filter	Disposable	_____	
m)	Average fuel consumption (on full load) at a) Urban driving	specify	_____km/l	
n)	Fuel tank capacity, approx.	10Lt	_____Lt	

4. CLUTCH AND TRANSMISSION

a)	Clutch, wet , multi- plate type	specify	_____	
b)	Manual, synchromesh gearbox	Yes, Yes	_____(Y/N)	
c)	Total speeds, min.	4F/1R	_____(Y/N)	
d)	Maximum speed approx.	Specify	-----km/hr	

5. BRAKES AND TYRES

a)	Brake system, hydraulically actuated, brake drum with self adjusting brake device expanding shoe type.	Yes specify		
c)	Mechanical parking brake, to act on transmission or rear wheels.	Yes, specify	_____	
d)	Locally available dual purpose tires or equivalent.	Yes	_____(Y/N)	
e)	Optimum tire size	4.5x10-8PR		

6. SUSPENSION AND STEERING

a)	Front and rear suspension, with dual action hydraulic telescopic shock absorbers with coil springs.	specify front  rear	_____  _____	
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	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b)	Handle bar type steering	specify	_____	
c)	Right Hand Drive steering.	Yes	_____(Y/N)	

7. CAB

a)	Well designed drivers cabin having seat with safety belts conforming to KS 664: 1999 standard ; KS 822: 1999 for seat belt anchorages.	Yes Mandatory	_____(Y/N)	
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8. GARBAGE TIPPER

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a)	Body made of steel/light alloy panels joined together by welding or any other method and suitably reinforced.  Bottom mild steel, sides Aluminium alloy Thickness of panels min.	<b>Yes</b>  1.5mm	(Y/N)  -----mm	
b)	Rear body dimensions approx.	Height 600mm Width 1400mm Length 1500mm	-----mm -----mm -----mm	
c)	Robust body with secure locked rear panel gate with a suitable canvas cover.	Yes mandatory	_____(Y/N)	
d)	Tipper capacity	1.2mm	-----mm	
e)	Unloading height	1.2mm	-----mm	
f)	Tipping angle	80-90 <sup>0</sup>	----- <sup>0</sup>	
g)	With a suitable hydraulic pump, engine powered, single acting hydraulic cylinder	Yes Mandatory	_____(Y/N)	
h)	With a suitable double acting hydraulically operated stabiliser at rear	Yes Mandatory	_____(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
i)	With a suitable single spool control valve near drivers Cabin.  Also a manual locking system for the bucket with engine maintenance process is on.  Boom cylinder cannot be operated until stabilizer is employed	Yes Mandatory	_____(Y/N)	

9. BODY AND FINISH

a)	All exterior body panels made non-corrosive, and all external steel fitting to be galvanised or painted.	Yes	_____(Y/N)	
b)	Anti-rust compound applied to underbody for sea side operation.	Yes	_____(Y/N)	
c)	Body finish, high gloss colour (to be specified by user)	Yes	_____(Y/N)	

10. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth, with alternator charging	12V, Yes, Yes	_____	
b)	Battery capacity, approx.	1x12V, 40Ah	_____	
c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	_____(Y/N)	
d)	Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc	Yes	_____(Y/N)	
e)	Starting system	Ignition switch	_____	_____
f)	Headlamps fitted 2No.	Yes	_____(Y/N)	

11. EQUIPMENT

a)	Rear view mirrors supplied 2no. external.	Yes	_____(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	To have a suitably equipped emergency first aid box.	Yes (Mandatory)	_____(Y/N)	

c)	To have a dry chemical powder fire extinguisher of 1.5-2kg weight conforming to KS ISO165.	Yes (Mandatory)	_____(Y/N)	
d)	FM, MW, SW. radio fitted	Yes	(Y/N)	
e)	Spare wheel supplied and secured.	Yes	_____(Y/N)	
f)	Manufacturer's standard tools supplied.	Specify		
g)	High raise jack with jacking points and wheel brace supplied.	Yes	_____(Y/N)	

12. WARRANTY

a)	Specimen of vehicle warranty to be submitted when tendering.	Yes	_____(Y/N)	
b)	Each Tri-cycle supplied should carry a statement of warranty.	Yes (Mandatory)	_____(Y/N)	
c)	Tri-cycle warranty min. 20,000 Km or 6 Months whichever occurs first.	specify	____Km ____mths	

13. MANUALS

a)	All literature in English language	Yes	_____(Y/N)	
b)	Repair Manual, supplied.	1 per vehicle	_____(Y/N)	
c)	Parts catalogue supplied.	1 per vehicle	____ Y/N	
d)	Drivers handbook and service schedule supplied.	1 per vehicle	____ Y/N	

14. OTHER REQUIREMENT

a)	Tri-cycle to be registered with the registrar of motor vehicles.	Yes (Mandatory)	_____(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Tri-cycle to be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
c)	Firm s[Status: (Franchise holder/ Dealer/Agent)	Specify		
d)	Availability of spares	Indicate dealers who stock spare parts.		
e)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify		
f)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

Tenderer's Signature	Official stamp.
Date:	

**53. REFUSE COMPACTOR , TRAILER MOUNTED**

MOT&I/MTD/QMS/1490

<b>SPECIFICATION NO. <u>MTD-2544-203-20</u></b>		
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____	
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____	<b>QTY:</b> _____

**DESCRIPTION: REFUSE COMPACTOR , TRAILER MOUNTED**

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MAKE	-	_____	
MODEL	-	_____	
COUNTRY OF ORIGIN	-	_____	
MANUFACTURER'S LITERATURE, AUTHORITY DRAWINGS AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	_____(Y/N)	
Submitted Drawings to Give the Following Views: a) Plan view b) Side elevation c) Rear elevation d) Detailed drawings showing crosssectional members, arrangement and rams fitting	Y Y Y Y	_____(Y/N) _____(Y/N) _____(Y/N) _____(Y/N)	

1. GENERAL

a) A refuse compactor, trailer mounted on a heavy duty, single axle, all steel body, tractor towed trailer	Yes (Mandatory)	_____(Y/N)	
b) Supplied new.	Yes	_____(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes	_____(Y/N)	
d) Low-speed refuse compactor trailer for use with medium duty agricultural tractor, 60-90HP, Agri-tractor.	Yes	_____(Y/N)	

e)	Suitable for loading, transporting, compacting and dumping garbage	Yes (MANDATORY)	_____(Y/N)	
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2. DIMENSIONS, WEIGHT AND CAPACITY

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a) Overall body volume, approx.	8m <sup>3</sup>	_____ m <sup>3</sup>	
b) Effective body volume, approx.	6m <sup>3</sup>	_____ m <sup>3</sup>	
c) Overall height, from the ground level.	1,500mm	_____mm	
d) Body length, approx.	3,600mm	_____mm	
e) Body internal depth, min	1,000mm	_____mm	
f) Weight carrying capacity, approx.	6,000 Kg	_____Kg	

3. BODY CONSTRUCTION AND PERFORMANCE

a) Tipper body volumetric capacity, approx.	6.5 cu. m	_____ cu. m	
b) Body floor constructed out of 5mm min. thick m/s plate	Yes	_____(Y/N)	
c) Sides constructed out of 3mm m/s plate (min.), with suitable reinforcements.	Yes	_____(Y/N)	
d) To have a suitable reinforced rear door . Hydraulically openable double acting hydraulic cylinder, 90 <sup>0</sup> full opening during emptying, manual locking at bottom of rear door	Yes	_____(Y/N)	

e)	To have a suitable hydraulic tipping mechanism. Hydraulic power is taken from bolt mounted gear pump through step up gear box.	Yes specify	_____(Y/N) -----	
f)	Tipping system to have suitable four levers control valve near front	Yes specify	_____(Y/N) -----	
g)	To have a suitable compaction plate. Hydraulically operated by three stages double acting hydraulic cylinder, with 25mm thick guide	Yes specify	_____(Y/N) -----	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	plate, 45° plate slant angle, effective distance travelled min 2m and garbage compacted area 2.5m <sup>2</sup> approx.			
h)	To have a suitable hydraulic bin lifting and tilting System Lifting height from ground 1.5m, tilting angle 45°.  Manual safety locks for bin, also linkage mechanism for bin lifting, locking arrangement for lifting system during transportation	Yes specify	_____(Y/N) -----	
i)	Suitable accessories and safety devices including lock valves to door hydraulic cylinder, pressure gauge, manual garbage loading facility, manual door locking, pressure regulator etc.	Yes mandatory	_____(Y/N)	

5.

**WHEELS & AXLE**

a)	Dead axle-75x75mm MS square	specify	_____	
----	-----------------------------	---------	-------	--

b)	Locally available, suitable trailer type tyres with tubes or equivalent	900x16	_____	
c)	Wheel track, approx.	1600mm	_____ mm	

8. PAINTING

a)	Chassis and body steelwork to be thoroughly cleaned before application of paint	Yes, Mandatory	_____ _____	
b)	At least two coats of zinc based primer to be applied throughout the body.	Yes, specify no of coats	_____	
c)	Two coats of synthetic enamel , black paint inside body . user to specify colour.	Yes, Mandatory	_____(Y/N)	

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d)	Chevrons and reflectors to fitted to comply with the Kenya traffic regulations	Yes (Mandatory)	_____(Y/N)	

9. EQUIPMENT (ACCESSORIES) ETC

a)	Suitable garbage bin, 200lts supplied-please also quote per each bin. Bin material, 1mm galvanised iron sheet strengthened with gusset, with 2 No.pivot pins and 4No. heavy duty castor wheels at bottom	Specify	_____ _____ _____	
b)	List, if any, of optional equipment	Specify	_____	

10. WARRANTY

a)	Each trailer supplied should carry a statement of warranty.	Yes (Mandatory)	(Y/N)	
----	---	--------------------	-------	--

b) Trailer warranty	1 year	Year(s)	
---------------------	--------	---------	--

11. MANUALS

a) All literature in English language	Yes (Mandatory)	(Y/N)	
b) Repair Manual, supplied.	1 set per trailer	(Y/N)	
c) Parts catalogue supplied.	1 set per trailer	(Y/N)	
d) Operators handbook and service schedule supplied.	1 set per trailer	(Y/N)	

12. OTHER REQUIREMENTS.

a) Garbage compactor to be inspected by the Chief Mechanical and Transport Engineer, during all the stages of construction, for compliance with the Technical specifications prior to delivery to user.	Yes (Mandatory)	(Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b) Garbage compactor to be inspected (by Certifying officer, Vehicle inspection Unit) for compliance with Traffic Act Cap 403 prior to delivery to user.	Yes (Mandatory)	(Y/N)	
c) Garbage compactor to be registered with the registrar of motor vehicles.	Yes (Mandatory)	(Y/N)	

Tenderer's Signature

Company rubber stamp

Date:

## 54. MIG/TIG WELDING MACHINE

MOR/MTD/QMS/393		
<b>SPECIFICATION NO. MTD-1992-391-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: MIG/TIG WELDING MACHINE</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
d)	Manufacturer's literature and specifications supplied (in original colour form) to support what is filled in specifications	Yes	------(Y/N)	

### 1 GENERAL

a)	A highly efficiency multiprocess welding machine suitable for use to weld various steel items (low carbon, mild, alloy etc) in extreme workshop conditions.	Yes, Yes, Yes	.....(Y/N)	
b)	Supplied new and unused	Yes	.....(Y/N)	

c)	Manufactured to comply with CE Supply of Machinery Safety Regulations.	Yes	.....(Y/N)	
----	--	-----	------------	--

2      DIMENSIONS

a)	Overall length, approx.	500 mm	----- mm	
b)	Overall width, approx.	500 mm	----- mm	
c)	Overall height, approx.	700 mm	----- mm	
d)	Overall weight, approx.	80 Kg	----- Kg	

3      PERFORMANCE

a)	Required processes	MIG, DC Stick. DC TIG	-----	
b)	Welding capacity on a single pass, min.	6 mm	----- mm	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Max. output current 60% duty cycle, min.	250 A	.....A	
d)	Max. input current @ 240V, min.	60 A	.....A	
e)	Number of power settings	specify	-----	

f)	14 Pin remote wire feed system	Yes	.....(Y/N)	
g)	<b>Arc control:</b> Mig - Variable Inductance Stick - Variable DIG	Yes Yes	..... .....	
h)	With protection from current overload and overheating.	Yes	.....(Y/N)	
i)	Protection class	IP 23	.....	
j)	Insulation class	H	.....	
k)	Electric power supply.	220-240 V, 50 Hz, Single phase	-----	

#### 4. WELDING GUN

a)	Torch to be non-live	Yes	.....(Y/N)	
b)	To use forced air cooled gun with shielding gas being CO <sub>2</sub> , Argon or CO <sub>2</sub> / Argon mix.	Yes	.....(Y/N)	
c)	Supplied with 3 different welding nozzles	Yes	.....(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	-tapered, cylinder and conical			
d)	Type of wire feed mechanism	specify	-----	
e)	Wire feeder speed	1-15 m/min	----- m/min	

f)	Welding wire size	0.8-1.2 mm	----- mm	
----	-------------------	------------	----------	--

### 5. ACCESSORIES

a)	Supplied with a gas cylinder tray on castor wheels	Yes	.....(Y/N)	
b)	Shielding gas cylinder capacity	specify	-----	
c)	Supplied with inert gas regulator which must be compatible with locally available cylinders	Yes	.....(Y/N)	
d)	To be supplied with welding goggles and welding shield	Yes	.....(Y/N)	

### 6. MANUALS & WARRANTIES

a)	Manufacturer's Authorization letters, literature and specifications supplied (in original colour form) while tendering to support what is filled in specifications.	Yes	.....(Y/N)	
b)	All literature in the English language.	Yes	_____ (Y/N)	
c)	To attach Manufacturer's statement of warranty while tendering with supplier proving	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	capability to offer after sales service.			

## 7. OTHER REQUIREMENTS

a)	To be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____(Y/N)	
b)	Supplier to install, commission and carry out training on usage and maintenance.	Yes	.....(Y/N)	
c)	Operator's instruction handbook, parts catalogue supplied.	Yes	_____(Y/N)	
d)	Tool box supplied.	Yes	_____(Y/N)	
e)	Indicate names and physical addresses where after sales service can be obtained.	Specify		

Tenderer's Signature

Company rubber stamp

Date:

### 55. TRUCK MOUNTED JETTING EQUIPMENT, 3,500 Lts

MOT&I/MTD/QMS/1491

SPECIFICATION NO: <b>MTD- 2545-341-20</b>
TENDERER'S NAME: _____ NO: _____
TENDER NO: _____ ITEM NO: ____ QTY: ____
DESCRIPTION: <b>TRUCK MOUNTED JETTING EQUIPMENT, 3,500 Lts</b>

TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**A. TRUCK (CHASSIS AND ENGINE)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	

**1. GENERAL**

i) A standard production, truck mounted jetting equipment, 3,500 Lts, of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)	
ii) Supplied new, unused.	Yes (Mandatory)	(Y/N)	
iii) Designed to medium-duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
iv)			
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
Suitable for removing obstruction/blockage in sewer lines by high velocity jet water pressures.			

v)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes (Mandatory)	----- (Yes/No)	
----	--	--------------------	-------------------	--

## 2. DIMENSIONS AND WEIGHTS

i)	Overall length, approx.	6,500 mm	mm	
ii)	Overall width, approx.	2,200 mm	mm	
iii)	Overall height with body, approx.	2,500 mm	mm	
iv)	Wheelbase, approx.	3,800 mm	mm	
v)	Ground clearance,	200 mm	mm	
vi)	Max. G.V.W. approx	7,000 Kg	Kg	
vi)	Payload.	3,000 -4,000Kg	Kg	

## 3. ENGINE

i)	Make	-	-----	
ii)	Model	-	-----	
iii)	Country of origin	-	-----	
iv)	Engine performance curves supplied	Yes (Mandatory)	----- (Yes/No)	
v)	Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	----- (Yes/No)	
vi)	Mode of aspiration. Turbocharged	Yes (Mandatory)	----- (Yes/No)	
vii)	Piston displacement, approx.	3,000 – 5,000cc	_____ cc	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
viii) Number of cylinders.	4	_____N o.	
ix) Maximum power output, (kW), min.	110HP/3000Rpm	_____	
x) Torque, Nm/Rpm min.	300Nm/1600 Rpm	----- Nm/Rpm	
xi) Engine speed at which max. Power is obtained.	Specify	_____ rpm	
xii) Air cleaner type, disposable/oil bath	Specify	_____	
xiii) Oil and fuel filter type	Disposable	_____	
xiv) Average fuel consumption (on full load)	Specify	_____ l/km	
xv) Fuel tank capacity, approx.	160Lt	_____ Lt	

#### 4. CLUTCH AND TRANSMISSION

i) Clutch, dry type, single plate	Yes, Yes	_____ (Yes/N o)	
ii) Clutch, system actuation.	Hydraulic	_____	
iii) Gearbox: manual	Yes	_____ (Yes/N o)	
iv) Drive configuration, 4x2	Yes	_____ (Yes/N o)	

#### 5. BRAKES, TYRES.

i) Independent system	Yes	(Y/N)	
ii) Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes	(Y/N)	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
iii)	Service brake: Disc brakes at front and drum at the rear axle	Yes	(Y/N)	
iv)	Tyres: Specify front and rear sizes	750R16-12PR		

#### 6. SUSPENSION AND STEERING

i)	Springs: Leaf springs with shocks on front and rear axles.	Specify front & rear	(Y/N)	
ii)	Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal	Yes	(Y/N)	
iii)	Right hand drive steering.	Yes mandatory	(Y/N)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

i)	System voltage, negative earth, with alternator power 24 V, 45 A.	specify		
ii)	Battery capacity.	65AH, 2x12V.		
ii)	Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	
iii)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)	

#### 8. EQUIPMENT ETC.

i)	Heavy-duty type front fender.	Yes	_____(Yes/No)	
ii)	Laminated (safety) windshield.	Yes	_____(Yes/No)	

iii)	Sun visors supplied.	Yes, 2 No.	_____(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
iv)	Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
v)	Spare wheel with carrier.	Yes	_____(Yes/No)	
vi)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____(Yes/No)	

## 9 CABIN

i)	Single cabin in all steel construction, for a crew of 2 persons (1 driver plus 1 or more sanitation staff).	Yes	(Y/N)	
----	---	-----	-------	--

## 10 CONTAINER

i)	Tank capacity,	3,500-4,000lts	----- Litre	
ii)	Design: The standard design of the tank shall be elliptical container, with anti-surge baffle plates welded internally and with a man hole complete with cover on top.	Yes	----- (Y/N)	
iii)	Material: It shall be made of mild steel, thickness 5mm, and shall be MIG/arc welded construction.	<b>Yes</b> (Mandatory)	----- (Y/N)	
iv)	To have a lifting hook on top and a ladder on the side	<b>Yes</b> (Mandatory)	----- (Y/N)	

v)	Fitted with a water level indicator at the operator station, clean out valve, suction line strainer including a removable strainer.	<b>Yes</b> (Mandatory)	----- (Y/N)	
vi)	Tank interior coated with epoxy paint.	<b>Yes</b> (Mandatory)	----- (Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

### 11 DRIVE

i)	Pump power is from split shaft P.T.O fitted between the engine and differential. Jetting pump drive is tapped from P.T.O output shaft through propeller joint or equivalent design.	Yes specify	----- (Y/N)  ----- -	
----	---	----------------	----------------------------------	--

### 12 MAIN EQUIPMENT & ACCESSORIES

i)	Jetting pump : With a capacity: 100 lt/min at 120 bar	Specify make,  model, type,  capacity	-----	
ii)	Jetting hose Suitable high pressure hose dia19mm approx. Length-60m Working pressure-170bar min.	Yes specify	----- (Y/N)  ----- -	

### 13 HOSE REEL:

<p>i) Designed to hold 60m hose. driven by hydraulic power in both directions. The high pressure water from pump is supplied to the hose reel through high quality rotating joint. The hose reel is strong enough to take up the winding /unwinding of the high pressure hose at the full pressure and under the pulling tension caused by the jet and friction in the sewage line. The matching of hose reel operation and movement of the hose reel obtained by chain and sprocket drive operated by a hydraulic motor tensioning arrangement provided to take up the wear and tear of the chain sprocket drive.</p>	<p>Yes  Specify or give equivalent</p>	<p>----- (Y/N) ----- -</p>	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

14 JETTNG NOZZLES

<p>i) Both round and conical high pressure nozzles with forward and rearward holes provided.</p>	<p>Yes</p>	<p>----- (Y/N)</p>	
--	------------	------------------------	--

15 LATERAL CLEANING SYSTEM

<p>ii)</p> <p>With a suitable spray gun with a rotating nozzle:  For cleaning side gully's of the road, manhole area inside and outside, servicing vehicle, container, equipment etc.,  For fire fighting, general purpose cleaning and maintenance,  Street, footpath , road cleaning, toilet, urinal cleaning,</p> <p>To be supplied with a handgun with a hose dia-12mm and length-10m and unloaded valve capable of withstanding handguns operating pressure,  When handgun is shutting down, unloaded valve helps bypass the fluid at zero pressure, such that pump runs at unloaded condition thereby increasing performance and efficiency of the unit.</p>	<p>Yes</p> <p>specify</p>	<p>-----  (Y/N)  -----  -</p>	
<p>16</p> <p>JETTING ACCESSORIES AND SAFETY DEVICE</p> <p>Include:-  Inline screen filter Y type,  Lever operated 3 way high pressure ball valves each for jetting and washing hoses,  Drain valve,  Heavy duty field pressure gauge, water level indicator,  audio/visual type water level alarm, spring loaded adjustable pressure relief alarm valve.</p>	<p>Yes</p> <p>Specify or give equivalent design</p>	<p>-----  (Y/N)  -----  -</p>	
<p><b>SPECIFICATION</b></p>	<p><b>REQUIREMENT</b></p>	<p><b>TENDERER'S</b></p>	<p><b>COMPLIANCE</b></p>

17 HYDRAULIC SYSTEM

i) Hydraulic pump power taken from vehicles engine thro PTO, Low speed hydro motor fitted with hose reel for winding/unwinding, Control valve fitted at control panel, Oil tank with suction filter, return line filter, oil level gauge etc. fitted :	Yes	----- (Y/N)	
--	-----	----------------	--

18 BODY CONSTRUCTION AND OTHER FITTINGS

i) Construction: The design of the body shall increase the mobility of the vehicle, shall reduce the weight for the material, shall lower the centre of gravity and shall offer better corrosion resistance.	Yes	----- (Y/N)	
ii) Design: The bodywork shall be designed in such a way as to allow maximum accessibility to all areas to be serviced and inspected. Provision shall be made for all major vehicle components to be removed in an easy way. For this purpose, lifting eyes shall be provided wherever feasible. This shall ensure that removal and replacement do not entail unacceptable downtime	Yes	----- (Y/N)	
iv) Access: A ladder, mounted in vehicle's rear, shall give access to the working deck. Comes with alloy step protection. Hand grips where necessary.	Yes	----- (Y/N)	
v) Under body protection and Mud Guards:			
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

	The engine shall have under driving protection and the rear wheels shall have mud guards made of galvanized steel Splash boards shall be installed	Yes	----- (Y/N)	
vi)	Hose Container: The hoses shall be stored in an open container constructed of aluminium /alloy material on the right and left hand side of the tank	Yes	----- (Y/N)	

19 ELECTRICAL EQUIPMENT

i)	Illumination: Lighting system for the interior of the cab and rear	2 No. spot lights	----- (Y/N)	
----	--	-------------------	----------------	--

20 FINISH

	<p><b>Suitable epoxy paint inside tank body</b> Two coat of epoxy primer Two coats of polyethylene/synthetic enamel paint or equivalent user to choose</p> <p>Reflecting foil in front and rear of the vehicle</p> <p>Logo: in simple letters, as per client's specifications.</p>	Yes (Mandatory)	----- (Y/N)	
21	<p><b><u>DOCUMENTATION</u></b></p> <ul style="list-style-type: none"> <li>- set of instruction books for chassis/equipment</li> <li>- set of operation/service manuals and spare parts catalogues for vehicle /equipment</li> <li>- All manuals are in English Language</li> <li>- All instructions are in English language where pictographs do not serve the purpose</li> </ul>	Yes (Mandatory)	----- (Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
<u>22 WARRANTY</u>			
a) Each truck supplied should carry a statement of warranty.	Yes	----- (Y/N)	
b) Truck warranty min., 40,000 km or 12 months whichever occurs first.	Specify	----- Km ----- months	

### 23 OTHER REQUIREMENTS

a) Truck to conform to Kenya Traffic act (cap 403) and have a certificate from the vehicle inspection unit.	yes	----- (Y/N)	
b) Truck will be inspected by Chief Mechanical and Transport Engineer, Ministry of Transport through its construction stages for compliance with the specification.	Yes (Mandatory)	(Y/N)	
c) Body builders to have truck body inspected (by Certifying officer, Vehicle Inspection Unit) for compliance with Traffic Act prior to delivery to user.	Yes	(Y/N)	
d) Truck to be registered with the registrar of motor vehicles.	Yes (Mandatory)	(Y/N)	
e) Franchise holder (representative in East Africa)------(Truck)  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	(Y/N)	
f) Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	(Y/N)	

g) TRAINING AND AFTER SALES SERVICE  The supplier will commission the delivered vehicles at agreed	Yes  specify	(Y/N)  -----	
<b>SPECIFICATION</b> destinations and carry out basic training in vehicle operation and daily maintenance and after use service at suppliers cost. Training 30 days	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
h) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify		

Tenderer's Signature _____	Company's Rubber Stamp _____
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**56. TRUCK MOUNTED JETTING & SLUDGE SUCTION EQUIPMENT, 4,000**

**Lts**

MOT&I/MTD/QMS/1492

<b>SPECIFICATION NO: MTD- 2546-341-20</b>
TENDERER'S NAME: _____ NO: _____
TENDER NO: _____ ITEM NO: ____ QTY: _____
<b>DESCRIPTION: TRUCK MOUNTED JETTING &amp; SLUDGE SUCTION EQUIPMENT, 4,000 Lts</b>
TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**A. TRUCK (CHASSIS AND ENGINE)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	

**1. GENERAL**

i) A standard production, truck mounted jetting & sludge suction equipment, 4,000 Lts, of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)	
ii) Supplied new, unused.	Yes (Mandatory)	(Y/N)	
iii) Designed to medium-duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
iv) Suitable for removing obstruction/blockage in sewer lines by high velocity jet water pressures.			

v)	Suction machine to clean sewer line, cesspit, cesspool etc. by siphoning out of mud, slurry and other material. Also blowback provision by which solid silt in sewer line is stirred and converted into liquid/semi liquid form by high pressure air with water.	Yes	(Y/N)	
vi)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes (Mandatory)	------(Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

2. DIMENSIONS AND WEIGHTS

i)	Overall length, approx.	8,000 mm	mm	
ii)	Overall width, approx.	2,200 mm	mm	
iii)	Overall height with body, approx.	2,500 mm	mm	
iv)	Wheelbase, approx.	4,800 mm	mm	
v)	Ground clearance,	200 mm	mm	
vi)	Max. G.V.W. approx	15,000 Kg	Kg	
vi)	Payload.	7,000 -8,000Kg	Kg	

3. ENGINE

i)	Make	-	-----	
ii)	Model	-	-----	
iii)	Country of origin	-	-----	

iv)	Engine performance curves supplied	Yes (Mandatory)	----- (Yes/No)	
v)	Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	----- (Yes/No)	
vi)	Mode of aspiration. Turbocharged	Yes (Mandatory)	----- (Yes/No)	
vii)	Piston displacement, approx.	3,500 – 8,000cc	_____ cc	
viii)	Number of cylinders.	4	_____ No.	
ix)	Maximum power output, (kW), min.	160HP/2800Rpm	_____	
x)	Torque, Nm/Rpm	500Nm/1700 Rpm	----- Nm/Rpm	
xi)	Engine speed at which max. Power is obtained.	Specify	_____ rpm	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
xii)	Air cleaner type, disposable/oil bath	Specify	_____	
xiii)	Oil and fuel filter type	Disposable	_____	
xiv)	Average fuel consumption (on full load)	Specify	_____ l/km	
xv)	Fuel tank capacity, approx.	200Lt	_____ Lt	

#### 4. CLUTCH AND TRANSMISSION

i)	Clutch, dry type, single plate	Yes, Yes	_____ (Yes/No)	
ii)	Clutch, system actuation.	Hydraulic	_____	
iii)	Gearbox: manual	Yes	_____ (Yes/No)	

iv) Drive configuration, 4x2	Yes	_____ (Yes/No)	
------------------------------	-----	----------------	--

5. BRAKES, TYRES.

i) Independent system	Yes	(Y/N)	
ii) Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes	(Y/N)	
iii) Service brake: Disc brakes at front and drum at the rear axle	Yes	(Y/N)	
iv) Tyres: Specify front and rear sizes	Specify		

6. SUSPENSION AND STEERING

i) Shock absorbers: front and rear axles. Front axle design capacity sufficient for the vehicles load. Rear axles: design capacity sufficient for the vehicles load	Yes	(Y/N)	
ii) Springs: springs with shocks on front axles. Multi leaf on rear axle.	Specify front & rear		
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
iii) Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal	Yes	(Y/N)	
iv) Right hand drive steering.	Yes mandatory	(Y/N)	

7. ELECTRICAL SYSTEM AND INSTRUMENTS

i) System voltage, negative earth, with alternator power 24 V, 45 A.	specify		
ii) Battery capacity.	75AH, 2x12V.		
ii) Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	

iii) Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)	
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#### 8. EQUIPMENT ETC.

i) Heavy-duty type front fender.	Yes	_____(Yes/No)	
ii) Laminated (safety) windshield.	Yes	_____(Yes/No)	
iii) Sun visors supplied.	Yes, 2 No.	_____(Yes/No)	
iv) Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
v) Spare wheel with carrier.	Yes	_____(Yes/No)	
vi) Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____(Yes/No)	

#### 9 CABIN

i) Single cabin in all steel construction, with tilting mechanism, for a crew of 2 persons (1 driver plus 1 or more sanitation staff).	Yes	(Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
ii) Dashboard: The dashboard shall be equipped with all necessary gauges, pilot lamps and switches for operation of the chassis	Yes	(Y/N)	
iii) Controls: Control and pilot lamp PTO engaged/disengaged.	Yes	(Y/N)	

#### 10 CONTAINER

i)	Tank capacity, Water tank-2000lts Sludge tank-2000lts	3,500-4,500lts specify	----- Litre -----	
ii)	Design: The standard design of the tank shall be cylindrical container, with anti-surge baffle plates welded internally and with a man hole complete with cover on top.	Yes	------(Y/N)	
iii)	Material: It shall be made of mild steel, thickness 5mm, and shall be MIG/arc welded construction.	<b>Yes</b> (Mandatory)	------(Y/N)	
iv)	To have a lifting hook on top and a ladder on the side	<b>Yes</b> (Mandatory)	------(Y/N)	
v)	Fitted with a water level indicator at the operator station, sludge level indicator, clean out valve, suction line strainer including a removable strainer.	<b>Yes</b> (Mandatory)	------(Y/N)	
vi)	Tank interior coated with epoxy paint.	<b>Yes</b> (Mandatory)	------(Y/N)	

## 11 DRIVE

i)	Pump power is from split shaft P.T.O fitted between the engine and differential. Jetting pump drive is tapped from P.T.O output shaft through propeller joint or equivalent design.	Yes	------(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

## 12 MAIN EQUIPMENT & ACCESSORIES

i)	Jetting pump : With a capacity: 130 lt/min at 140 bar	Specify make,  model, type, capacity	-----	
----	---	---	-------	--

ii) Jetting hose Suitable high pressure hose dia19mm approx. Length-60m Working pressure-170bar min.	Yes specify	------(Y/N) -----	
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**13 HOSE REEL:**

i) Designed to hold 60m hose. driven by hydraulic power in both directions. The high pressure water from pump is supplied to the hose reel through high quality rotating joint. The hose reel is strong enough to take up the winding /unwinding of the high pressure hose at the full pressure and under the pulling tension caused by the jet and friction in the sewage line. The matching of hose reel operation and movement of the hose reel obtained by chain and sprocket drive operated by a hydraulic motor tensioning arrangement provided to take up the wear and tear of the chain sprocket drive.	Yes specify	------(Y/N) -----	
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**14 JETTNG NOZZLES**

i) Both round and conical high pressure nozzles with forward and rearward holes provided.	Yes	------(Y/N)	
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**15 LATERAL CLEANING SYSTEM**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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<p>ii) With a suitable spray gun with a rotating nozzle: For cleaning side gully's of the road, manhole area inside and outside, servicing vehicle, container, equipment etc., For fire fighting, general purpose cleaning and maintenance, Street, footpath , road cleaning, toilet, urinal cleaning,</p> <p>To be supplied with a handgun with a hose dia-12mm and length-10m and unloaded valve capable of withstanding handguns operating pressure, When handgun is shutting down, unloaded valve helps bypass the fluid at zero pressure, such that pump runs at unloaded condition thereby increasing performance and efficiency of the unit.</p>	<p>Yes  specify</p>	<p>------(Y/N)  -----</p>	
<p>16 JETTING ACCESSORIES AND SAFETY DEVICE Include:- Inline screen filter Y type, Lever operated 3 way high pressure ball valves each for jetting and washing hoses, Drain valve, Heavy duty field pressure gauge, water level indicator, audio/visual type water level alarm, spring loaded adjustable pressure relief alarm valve.</p>	<p>Yes  Specify or give equivalent design</p>	<p>------(Y/N)  -----</p>	
<p>17 SUCTION UNIT</p>			
<p>i) VACUUM PUMP Type: Rotary vane pump free air flow capacity: 300 m<sup>3</sup>/hr., max. Pressure 1.5bar, max. vacuum 92%,</p> <p>Other features: natural or forced air, inbuilt lubricating pump , check and change over valve, Asbestos free spark proof vanes and rotary displacement of rotary vanes /equivalent</p>	<p>Specify make, model, type And give details</p>	<p>-----</p>	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
ii) Tank suction hose-heavy duty PVC, 75MM diameter, 15m length min. or equivalent	specify		

## SUCTION UNIT

### 18 ACCESSORIES

i) Design: The vacuum pump shall be of the auxiliary drive of the chassis over drive shafts with Vbelt drive (P.T.O)/ equivalent with a tightening device and protective cover. It shall be complete : with 80mm suction and discharge ball valves, Relief valve spring type adjustable pressure, to safeguard tank from excess pressure created inside tank, Suitable quick coupler to connect hose/metal pipes, Suitable dial compound gauge, sludge level indicator, air relieve valve etc. fitted, Primary rubber float shut off provided inside the tank to prevent water from entering into the vacuum pump due to overflowing of the tank, Secondary rubber float shut off secondary filter for pump safety to prevent water from entering into the vacuum pump, Suitable strainer in pump suction line for pump safety, Suitable silencer fitted at pump outlet to reduce noise when discharging air.	<p style="text-align: center;"><b>Yes</b></p> Specify or give equivalent	<p style="text-align: center;">------(Y/N)</p> <p style="text-align: center;">-----</p>	
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19	Rear door Tank fitted with a suitable knuckle dish end openable Type, Manually screwed type wheel fitted on periphery of Tank for door tightening, Heavy duty D section air tight rubber gasket fitted to the rear door.	<b>Yes</b>  Specify or give equivalent	------(Y/N)  -----	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

20      **HYDRAULIC SYSTEM**

i)	Suitable hydraulically operated tank tipping Design with front/bottom mounted hydraulic cylinder, Hydraulically operated rear door by twin hydraulic cylinders fitted on tank periphery sides, Hydraulic pump power taken from vehicles engine thro PTO, Low speed hydro motor fitted with hose reel for winding/unwinding, Control valve fitted at control panel, Oil tank with suction filter, return line filter, oil level gauge etc. fitted :	<b>Yes</b>	------(Y/N)	
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21      **BODY CONSTRUCTION AND OTHER FITTINGS**

i)	Construction: The design of the body shall increase the mobility of the vehicle, shall reduce the weight for the material, shall lower the centre of gravity and shall offer better corrosion resistance.	<b>Yes</b>	------(Y/N)	
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ii) Design: The bodywork shall be designed in such a way as to allow maximum accessibility to all areas to be serviced and inspected. Provision shall be made for all major vehicle components to be removed in an easy way. For this purpose, lifting eyes shall be provided wherever feasible. This shall ensure that removal and replacement do not entail unacceptable downtime	Yes	------(Y/N)	
<p style="text-align: center;"><b>SPECIFICATION</b></p>	<p style="text-align: center;"><b>REQUIREMENT</b></p>	<p style="text-align: center;"><b>TENDERER'S</b></p>	<p style="text-align: center;"><b>COMPLIANCE</b></p>
iii) Control Console: The control console shall be mounted at the rear right end of the hose container or any other suitable place It shall be equipped with engine steering power (power $\pm$ ), revolution counter, vacuum manometer and emergency stop	Yes	------(Y/N)	
iv) Access: A ladder, mounted in vehicle's rear, shall give access to the working deck. Comes with alloy step protection. Hand grips where necessary.	Yes	------(Y/N)	
v) Under body protection and Mud Guards: The engine shall have under driving protection and the rear wheels shall have mud guards made of galvanized steel Splash boards shall be installed	Yes	------(Y/N)	
vi) Hose Container: The hoses shall be stored in an open container constructed of aluminium /alloy material on the right and left hand side of the tank	Yes	------(Y/N)	

22 ELECTRICAL  
EQUIPMENT

i)	Illumination: Lighting system for the interior of the cab and rear	2 No. spot lights	------(Y/N)	
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23 FINISH

	<b>Suitable epoxy paint inside tank body</b> Two coat of epoxy primer Two coats of polyuthylene/synthetic enamel paint or equivalent user to choose  Reflecting foil in front and rear of the vehicle	Yes (Mandatory)	------(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Logo: in simple letters, as per client's specifications.			
24	<b><u>DOCUMENTATION</u></b> - set of instruction books for chassis/equipment - set of operation/service manuals and spare parts catalogues for vehicle /equipment - All manuals are in English Language - All instructions are in English language where pictographs do not serve the purpose	Yes (Mandatory)	------(Y/N)	

25 WARRANTY

a)	Each truck supplied should carry a statement of warranty.	Yes	------(Y/N)	
b)	Truck warranty min., 40,000 km or 12 months whichever occurs first.	Specify	----- Km ----- months	

26 OTHER REQUIREMENTS

a)	Truck to conform to Kenya Traffic act (cap 403) and have a certificate from the vehicle inspection unit.	yes	------(Y/N)	
b)	Vehicle will be inspected by Chief Mechanical and Transport Engineer, Ministry of Transport through its construction stages for compliance with the specification.	Yes (Mandatory)	(Y/N)	
c)	Body builders to have truck body inspected (by Certifying officer, Vehicle Inspection Unit) for compliance with Traffic Act prior to delivery to user.	Yes	(Y/N)	
d)	Truck to be registered with the registrar of motor vehicles.	Yes (Mandatory)	(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Franchise holder (representative in East Africa)------(Truck)  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	(Y/N)	
f)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	(Y/N)	
g)	<b>TRAINING AND AFTER SALES SERVICE</b>  The supplier will commission the delivered vehicles at agreed destinations and carry out basic training in vehicle operation and daily maintenance and after use service at suppliers cost. Training 30 days	Yes  specify	(Y/N)  -----	

h) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify		
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Tenderer's

Company's

Signature \_\_\_\_\_

Rubber Stamp \_\_\_\_\_

**57. LIGHT DUTY, TRUCK MOUNTED , HIGH PRESSURE JETTING EQUIPMENT, 500 Lts**

MOT&I/MTD/QMS/1498

SPECIFICATION NO: <b>MTD- 2552-341-20</b>
TENDERER'S NAME: _____ NO: _____
TENDER NO: _____ ITEM NO: ____ QTY: _____
DESCRIPTION: <b>LIGHT DUTY, TRUCK MOUNTED , HIGH PRESSURE JETTING EQUIPMENT, 500 Lts</b>
TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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**A. TRUCK (CHASSIS AND ENGINE)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		

MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	
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1. **GENERAL**

i) A standard production, light duty, truck mounted , high pressure jetting equipment, 500 Lts, of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)	
ii) Supplied new, unused.	Yes (Mandatory)	(Y/N)	
iii) Designed to light duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
iv) Suitable for removing obstruction/blockage in sewer lines by high velocity jet water pressures.	Yes	(Y/N)	
v) Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes (Mandatory)	----- (Yes/No)	

2. **DIMENSIONS AND WEIGHTS**

i) Overall length, approx.	4,400 mm	mm	
ii) Overall width, approx.	1,600 mm	mm	
iii) Overall height with body, approx.	1,800 mm	mm	
iv) Wheelbase, approx.	2,300 mm	mm	

v)	Ground clearance,	170 mm	mm	
vi)	Max. G.V.W. approx	2,500 Kg	Kg	
vi)	Payload.	1,000 -2,000Kg	Kg	

### 3. ENGINE

i)	Make	-	-----	
ii)	Model	-	-----	
iii)	Country of origin	-	-----	
iv)	Engine performance curves supplied	Yes (Mandatory)	----- (Yes/No)	
v)	Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	----- (Yes/No)	
vi)	Mode of aspiration. Turbocharged	Yes (Mandatory)	----- (Yes/No)	

SPECIFICATION		REQUIREMENT	TENDERER'S	COMPLIANCE
vii)	Piston displacement, approx.	1,200 – 2,000cc	_____ cc	
viii)	Number of cylinders.	2-4	_____ No.	
ix)	Maximum power output, (kW), min.	50HP/3300Rpm	_____	
x)	Torque, Nm/Rpm min.	150Nm/1600 Rpm	----- Nm/Rpm	
xi)	Engine speed at which max. Power is obtained.	Specify	_____ rpm	
xii)	Air cleaner type, disposable/oil bath	Specify	_____	
xiii)	Oil and fuel filter type	Disposable	_____	
xiv)	Average fuel consumption (on full load)	Specify	_____ l/km	
xv)	Fuel tank capacity, approx.	40Lt	_____ Lt	

#### 4. CLUTCH AND TRANSMISSION

i)	Clutch, dry type, single plate	Yes, Yes	_____ (Yes/No)	
ii)	Clutch, system actuation.	Hydraulic	_____	
iii)	Gearbox: manual	Yes	_____ (Yes/No)	
iv)	Drive configuration, 4x2	Yes	_____ (Yes/No)	

#### 5. BRAKES, TYRES.

i)		Yes	_____ (Y/N)	
ii)	Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes specify	_____ (Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
iii) Service brake: Disc brakes at front and drum at the rear axle	Yes specify	(Y/N) -----	
iv) Tyres: Specify front and rear sizes	185R14-8PR		

#### 6. SUSPENSION AND STEERING

i) Springs: Leaf springs with shocks on front and rear axles.	Specify front & rear	(Y/N)	
ii) Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal	Yes specify	(Y/N) -----	
iii) Right hand drive steering.	Yes mandatory	(Y/N)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

i) System voltage, negative earth, with alternator power 24 V, 45 A.	specify		
ii) Battery capacity.	65AH, 2x12V.	-----	
ii) Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	
iii) Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)	

#### 8. EQUIPMENT ETC.

i) Heavy-duty type front fender.	Yes	_____(Yes/No)	
ii) Laminated (safety) windshield.	Yes	_____(Yes/No)	
iii) Sun visors supplied.	Yes, 2 No.	_____(Yes/No)	

iv)	Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
v)	Spare wheel with carrier.	Yes	_____(Yes/No)	
vi)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____(Yes/No)	

## 9 CABIN

i)	Single cabin in all steel construction, for a crew of 2 persons (1 driver plus 1 sanitation staff).	Yes	(Y/N)	
----	---	-----	-------	--

## 10 CONTAINER

i)	Tank capacity,	500ts	----- Litre	
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## 11 DRIVE

i)	Direct coupled with engine	Yes	----- (Y/N)	
----	----------------------------	-----	----------------	--

## 12 MAIN EQUIPMENT & ACCESSORIES

i)	Jetting pump : With a capacity: 12 lt/min at 200 bar And 3400rpm	Specify make, model, type, capacity	-----	
----	--	-------------------------------------	-------	--

ii)	Forged brass pump head and conrods, stainless steel check valve and piston guide, solid ceramic plunger, aluminium crankcase fins	Yes specify	(Y/N) -----	
iii)	Jetting Engine- 4stroke, aircooled, single piston diesel engine, 10HP/3000rpm. battery starting from vehicle.	Specify make, model, type, capacity	-----	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
iv)	Jetting hose Suitable high pressure jetting hose dia-6.3mm approx. Length-30m Working pressure-170bar min.	Yes specify	----- (Y/N) ----- -	
iv)	Hose reel Suitable horizontally fitted, manual, with stainless steel rotary joint, hose winding capacity , 30m or equivalent design	Yes specify	----- (Y/N) ----- -	

### 13 WASHING/SPRAYING HOSE :

i)	Suitable high pressure hose, dia9.5mm approx, 10m .  Suitable spray gun capacity 300bars  For cleaning container, equipment, Streets, roads, toilets etc.	Yes  Specify or give equivalent	----- (Y/N) ----- -	
----	---	---------------------------------------	------------------------------	--

### 14 JETTING ACCESSORIES AND SAFETY DEVICE

<p>i) JETTING ACCESSORIES AND SAFETY DEVICE  Include:-  Y filter type,  Lever operated 3 way high pressure ball valves each for main hose reel and auxiliary spray gunwashing hoses,  Drain valve 40mm ball valve,  Heavy duty field pressure gauge 0-300kg/cm<sup>2</sup>, flexible water level indicator, audio/visual type water level alarm, focus light at front and rear, searchlight with extendible wire, tank filling cap at top of tank.</p>	<p>Yes   Specify or give equivalent design</p>	<p>-----  (Y/N)   -----  -</p>	
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

### 15 BODY CONSTRUCTION

<p>ii) Panelling made from mild steel square pipe/angle line and covered with aluminium/ galvanised iron sheet</p>	<p>Yes   specify</p>	<p>-----  (Y/N)   -----</p>	
<p>16 Rear door Suitable closed in compact hinged type rear door with locking arrangement for pump and other critical components protection</p>	<p>Yes</p>	<p>-----  (Y/N)</p>	

### 17 FINISH

<p>Two coats of epoxy primer  Two coats of polyethylene/synthetic enamel paint or equivalent, user to choose</p> <p>Reflecting foil in front and rear of the vehicle</p> <p>Logo: in simple letters, as per client's specifications.</p>	<p>Yes (Mandatory)</p>	<p>-----  (Y/N)</p>	
--	------------------------	-------------------------	--

18	<p><b><u>DOCUMENTATION</u></b></p> <ul style="list-style-type: none"> <li>- set of instruction books for equipment</li> <li>- set of operation/service manuals and spare parts catalogues for equipment</li> <li>- All manuals are in English Language</li> <li>- All instructions are in English language where pictographs do not serve the purpose</li> </ul>	Yes (Mandatory)	----- (Y/N)	
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**19 WARRANTY**

a)	Each truck supplied should carry a statement of warranty.	Yes	----- (Y/N)	
b)	Truck warranty min., 50,000 km or 12 months whichever occurs first.	Specify	----- Km ----- months	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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**20 OTHER REQUIREMENTS**

a)	Truck to conform to Kenya Traffic act (cap 403) and have a certificate from the Motor Vehicle Inspection unit.	yes	----- (Y/N)	
b)	Truck will be inspected by Chief Mechanical and Transport Engineer, Ministry of Transport through its construction stages for compliance with the specification.	Yes (Mandatory)	(Y/N)	
c)	Body builders to have truck body inspected (by Certifying officer, Vehicle Inspection Unit) for compliance with Traffic Act prior to delivery to user.	Yes	(Y/N)	
d)	Truck to be registered with the registrar of motor vehicles.	Yes (Mandatory)	(Y/N)	

e)	Franchise holder (representative in East Africa)------(Truck)  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	(Y/N)	
f)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	(Y/N)	
g)	<b>TRAINING AND AFTER SALES SERVICE</b>  The supplier will commission the delivered vehicles at agreed destinations and carry out basic training in vehicle operation and daily maintenance and after use service at suppliers cost. Training 20 days	Yes  specify	(Y/N)  -----	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
h)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify		

Tenderer's Signature _____	Company's Rubber Stamp _____
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**58. LIGHT DUTY, TRUCK MOUNTED , DE-SILTING EQUIPMENT**

MOT&I/MTD/QMS/1499

SPECIFICATION NO: **MTD- 2553-341-20**

TENDERER'S NAME: _____ NO: _____
TENDER NO: _____ ITEM NO: ____ QTY: _____
DESCRIPTION: <b>LIGHT DUTY, TRUCK MOUNTED , DE-SILTING EQUIPMENT,</b>
TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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**A. TRUCK (CHASSIS AND ENGINE)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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1. **GENERAL**

i)	A standard production, light duty, truck mounted, de-silting equipment, of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)	
ii)	Supplied new, unused.	Yes (Mandatory)	(Y/N)	
iii)	Designed to light duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
iv)	Suitable for removing obstruction/blockage in sewer lines by grab bucket cutting, loading, transporting materials blocking sewer systems and use of jet water pressures.	Yes	(Y/N)	
v)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes (Mandatory)	----- (Yes/No)	

2. **DIMENSIONS AND WEIGHTS**

i)	Overall length, approx.	4,400 mm	mm	
ii)	Overall width, approx.	1,600 mm	mm	
iii)	Overall height with body, approx.	1,800 mm	mm	
iv)	Wheelbase, approx.	2,300 mm	mm	
v)	Ground clearance,	170 mm	mm	
vi)	Max. G.V.W. approx	2,500 Kg	Kg	
vi)	Payload.	1,000 -2,000Kg	Kg	



SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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### 3. ENGINE

i)	Make	-	-----	
ii)	Model	-	-----	
iii)	Country of origin	-	-----	
iv)	Engine performance curves supplied	Yes (Mandatory)	----- (Yes/No)	
v)	Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	----- (Yes/No)	
vi)	Mode of aspiration. Turbocharged	Yes (Mandatory)	----- (Yes/No)	
vii)	Piston displacement, approx.	1,200 – 2,000cc	cc	
viii)	Number of cylinders.	2-4	_____N o.	
ix)	Maximum power output, (kW), min.	50HP/3300Rpm	_____	
x)	Torque, Nm/Rpm min.	150Nm/1600 Rpm	----- Nm/Rpm	
xi)	Engine speed at which max. Power is obtained.	Specify	_____ rpm	
xii)	Air cleaner type, disposable/oil bath	Specify	_____	
xiii)	Oil and fuel filter type	Disposable	_____	
xiv)	Average fuel consumption (on full load)	Specify	_____l/km	
xv)	Fuel tank capacity, approx.	40Lt	Lt	

### 4. CLUTCH AND TRANSMISSION

i)	Clutch, dry type, single plate	Yes, Yes	_____(Yes/No)	
----	--------------------------------	----------	---------------	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
ii)	Clutch, system actuation.	Hydraulic	_____	
iii)	Gearbox: manual	Yes	_____(Yes/No)	
iv)	Drive configuration, 4x2	Yes	_____(Yes/No)	

#### 5. BRAKES, TYRES.

i)	Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes specify	(Y/N) -----	
ii)	Service brake: Disc brakes at front and drum at the rear axle	Yes specify	(Y/N) -----	
iii)	Tyres: Specify front and rear sizes	185R14-8PR		

#### 6. SUSPENSION AND STEERING

i)	Springs: Leaf springs with shocks on front and rear axles.	Specify front & rear	(Y/N)	
ii)	Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal	Yes specify	(Y/N) -----	
iii)	Right hand drive steering.	Yes mandatory	(Y/N)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

i)	System voltage, negative earth, with alternator power 24 V, 45 A.	specify		
ii)	Battery capacity.	65AH, 2x12V.	-----	
ii)	Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	

iii)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

8. EQUIPMENT ETC.

i)	Heavy-duty type front fender.	Yes	_____(Yes/No)	
ii)	Laminated (safety) windshield.	Yes	_____(Yes/No)	
iii)	Sun visors supplied.	Yes, 2 No.	_____(Yes/No)	
iv)	Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
v)	Spare wheel with carrier.	Yes	_____(Yes/No)	
vi)	Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____(Yes/No)	

9 CABIN

i)	Single cabin in all steel construction, for a crew of 2 persons (1 driver plus 1 sanitation staff).	Yes	(Y/N)	
----	---	-----	-------	--

10 Grab bucket Loader

i)	Lifting capacity,	20kgs	----- kgs	
ii)	Travel depth min	9m		
iii)	Swing angle min	90 <sup>0</sup> both sides		

iv) Boom lifting angle min	45°		
v) Boom extension approx.	600mm		
<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>

## 11 DRIVE

i) Hydraulic system power taken from the engine	Yes	----- (Y/N)	
---	-----	----------------	--

## 12 MAIN EQUIPMENT & ACCESSORIES

i) bucket : With a 4 bar linkage mechanism hydraulic operated double acting hydraulic cylinder, moulded seamless steel cast side jaws, 10mm thick min, 120mm piston displacement hydraulic operated	Specify	-----	
ii) Boom Suitable boom , manual extendible type, hydraulic up and down, Mild Steel rectangular pipe section, profile plasma/laser cut.	Yes specify	(Y/N) -----	
iii) Hydraulic winch- Suitable winch provided on boom pivot for grab bucket up and down movement composed of suitable reduction gearbox, wire reel, hydro motor, wire rope etc. Motor fitted in gearbox, itself having 2 output shafts, one for wire reel mounting other for pulley to drive hose reel. wire rope , 6mm diameter by 40ft length min.	Yes specify	(Y/N) -----	

iv)	Hydraulic cylinders Suitable hydraulic cylinders of mildsteel tube and chrome plated hardened rod for the following:- Grab bucket cylinder -1No, hopper cylinder -1No, swing cylinder -1No, boom cylinder -1No,	Yes specify	----- (Y/N) ----- -	
v)	Hose reel Suitable hose reel,40ft, hydraulically operated and fitted on boom assembly or equivalent design In addition a suitable flexible hose reel supplied	Yes specify	----- (Y/N) ----- -	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
vi)	Hydraulic motor Suitable motor, 12.5cc/rev or equivalent design	specify	----- -	
vii)	Control valve Suitable control valve, 40lit/min flow rate or equivalent design	specify	----- -	
viii)	Oil tank Suitable oil tank, 20lit complete with suction strainer, return line filter, oil level dipstick etc	Yes	----- (Y/N)	
ix)	hopper Suitable hopper of galvanised iron sheet, 1.6mm, capacity 0.5m <sup>3</sup> , loading height, 1.2m, unloading height, 1.1m or equivalent design	specify	----- -	

### 13 FINISH

	<p>Two coats of epoxy primer Two coats of polyethylene/synthetic enamel paint or equivalent, user to choose</p> <p>Reflecting foil in front and rear of the vehicle</p> <p>Logo: in simple letters, as per client's specifications.</p>	Yes (Mandatory)	----- (Y/N)	
14	<p><b><u>DOCUMENTATION</u></b></p> <ul style="list-style-type: none"> <li>- set of instruction books for equipment</li> <li>- set of operation/service manuals and spare parts catalogues for equipment</li> <li>- All manuals are in English Language</li> <li>- All instructions are in English language where pictographs do not serve the purpose</li> </ul>	Yes (Mandatory)	----- (Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
<b>15 WARRANTY</b>			
a) Each truck supplied should carry a statement of warranty.	Yes	----- (Y/N)	
b) Truck warranty min., 50,000 km or 12 months whichever occurs first.	Specify	----- Km ----- months	

<b>16 OTHER REQUIREMENTS</b>			
a) Truck to conform to Kenya Traffic act (cap 403) and have a certificate from the Motor Vehicle Inspection unit.	yes	----- (Y/N)	

b)	Truck will be inspected by Chief Mechanical and Transport Engineer, Ministry of Transport through its construction stages for compliance with the specification.	Yes (Mandatory)	(Y/N)	
c)	Body builders to have truck body inspected (by Certifying officer, Vehicle Inspection Unit) for compliance with Traffic Act prior to delivery to user.	Yes	(Y/N)	
d)	Truck to be registered with the registrar of motor vehicles.	Yes (Mandatory)	(Y/N)	
e)	Franchise holder (representative in East Africa)------(Truck)  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	(Y/N)	
f)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	(Y/N)	
g)	<b>TRAINING AND AFTER SALES SERVICE</b>  The supplier will commission the delivered vehicles at agreed	Yes  specify	(Y/N)  -----	
	<b>SPECIFICATION</b> destinations and carry out basic training in vehicle operation and daily maintenance and after use service at suppliers cost. Training 20 days	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
h)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify		

Tenderer's  
Signature \_\_\_\_\_

Company's  
Rubber Stamp \_\_\_\_\_

**59. TRUCK MOUNTED GULLY EMPTIER (SUCTION EQUIPMENT), 3,500**

**Lts**

MOT&I/MTD/QMS/1501

SPECIFICATION NO: <b>MTD- 2555-341-20</b>
TENDERER'S NAME: _____ NO: _____
TENDER NO: _____ ITEM NO: ____ QTY: _____
DESCRIPTION: <b>TRUCK MOUNTED GULLY EMPTIER (SUCTION EQUIPMENT), 3,500 Lts</b>
TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

**A. TRUCK (CHASSIS AND ENGINE)**

MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
MANUFACTURER'S LITERATURE , AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	----- (Yes/No)	

1. **GENERAL**

a)	A standard production, truck mounted gully emptier (suction equipment), 3,500 lts, of latest design in the class, robust construction in current production.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new, unused.	Yes (Mandatory)	(Y/N)	
c)	Designed to medium-duty specifications, capable of operating in tropical conditions over paved and unpaved (rough) roads.	Yes, Yes	(Y/N)	
d)	Suitable for removing of mud, slurry, other materials from sewer lines.			
e)	Suction machine is able to create vacuum as well as pressure inside tank body for siphoning out of mud, slurry and other material. The unit is provided with sludge stirring arrangement by which pressurised air is forced into the manhole to convert the material from solid/semisolid into liquid/semi liquid form and then sucked into the tank.	Yes	(Y/N)	
f)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes (Mandatory)	----- (Yes/No)	

2. **DIMENSIONS AND WEIGHTS**

a)	Overall length, approx.	6,500 mm	mm	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Overall width, approx.	2,200 mm	mm	

c)	Overall height with body, approx.	2,200 mm	mm	
d)	Wheelbase, approx.	3,800 mm	mm	
e)	Ground clearance,	170 mm	mm	
f)	Max. G.V.W. approx	7,000 Kg	Kg	
g)	Payload.	3,000 -4,000Kg	Kg	

### 3. ENGINE

a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	
d)	Engine performance curves supplied	Yes (Mandatory)	----- (Yes/No)	
e)	Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	----- (Yes/No)	
f)	Mode of aspiration. Turbocharged	Yes (Mandatory)	----- (Yes/No)	
g)	Piston displacement, approx.	3,500 – 6,000cc	_____ cc	
h)	Number of cylinders.	4	_____ No.	
i)	Maximum power output, (kW), min.	110HP/2800Rpm	_____	
j)	Torque, Nm/Rpm	300Nm/1700 Rpm	----- Nm/Rpm	
k)	Engine speed at which max. Power is obtained.	Specify	_____ rpm	
l)	Air cleaner type, disposable/oil bath	Specify	_____	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
m)	Oil and fuel filter type	Disposable	_____	
n)	Average fuel consumption (on full load)	Specify	_____l/km	
o)	Fuel tank capacity, approx.	170Lt	_____ Lt	

#### 4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate	Yes, Yes	_____(Yes/No)	
b)	Clutch, system actuation.	Hydraulic	_____	
c)	Gearbox: manual	Yes	_____(Yes/No)	
d)	Drive configuration, 4x2	Yes	_____(Yes/No)	

#### 5. BRAKES, TYRES.

a)	Independent system	Yes	(Y/N)	
b)	Parking brake, Spring loaded brake cylinder, acting on the rear wheels	Yes	(Y/N)	
c)	Service brake: Disc brakes at front and drum at the rear axle	Yes	(Y/N)	
d)	Tyres: Specify front and rear sizes	Specify		

#### 6. SUSPENSION AND STEERING

a)	Shock absorbers: front and rear axles. Front axle design capacity sufficient for the vehicles load. Rear axles: design capacity sufficient for the vehicles load	Yes	(Y/N)	
----	--	-----	-------	--

b)	Springs: springs with shocks on front axles. Multi leaf on rear axle.	Specify front & rear		
c)		Yes	(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	Hydraulic power assisted and adjustable steering wheel. Brake pedal on the floor to right of steering. Acceleration to the right of brake pedal			
d)	Right hand drive steering.	Yes mandatory	(Y/N)	

#### 7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth, with alternator power 24 V, 50 A.	specify		
b)	Battery capacity.	65AH, 2x12V.		
c)	Full lighting to conform to Kenya Traffic Act.	Yes	(Y/N)	
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant, temperature, buzzer for air pressure etc.	Yes, Yes, Yes	(Y/N)	

#### 8. EQUIPMENT ETC.

a)	Heavy-duty type front fender.	Yes	_____(Yes/No)	
b)	Laminated (safety) windshield.	Yes	_____(Yes/No)	
c)	Sun visors supplied.	Yes, 2 No.	_____(Yes/No)	
d)	Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____(Yes/No)	
e)	Spare wheel with carrier.	Yes	_____(Yes/No)	

f) Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes	_____ (Yes/No)	
--	---------------	----------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

9 CABIN

a) Single cabin in all steel construction, with tilting mechanism, for a crew of 2 persons (1 driver plus 1 or more sanitation staff).	Yes	(Y/N)	
b) Dashboard: The dashboard shall be equipped with all necessary gauges, pilot lamps and switches for operation of the chassis	Yes	(Y/N)	
c) Controls: Control and pilot lamp PTO engaged/disengaged.	Yes	(Y/N)	

10 CONTAINER

a) Tank capacity,	3,000-4,000lts specify	----- Litre ----- --	
b) Design: The standard design of the tank shall be cylindrical container with knuckle radius dished ends, with anti-surge baffle plates welded internally and with a man hole complete with cover on top. Tank is mounted in slope so that the sludge can be discharged by gravity or pressure	Yes	----- (Y/N)	

c)	Material: It shall be made of mild steel, thickness 5mm, and shall be MIG/arc welded construction.	<b>Yes</b> (Mandatory)	----- (Y/N)	
d)	To have a lifting hook on top and a ladder on the side	<b>Yes</b>	----- (Y/N)	
d)	Fitted with a thick wall transparent acrylic tubing for sludge level indication and clean out valve or equivalent.	<b>Yes</b>	----- (Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Suitable metal pipes of different lengths provided with quick release coupling. the pipes attached able to reach required depth of manhole/septic tank.	<b>Yes</b>	----- (Y/N)	

## 11 DRIVE

a)	Suction pump power is taken from the engine.	Yes	----- (Y/N)	
----	--	-----	----------------	--

## 12 SUCTION UNIT

a)	<b>VACUUM PUMP</b> Type: Rotary vane pump free air flow capacity: 380 m <sup>3</sup> /hr., max. Pressure 1.5bar, max. vacuum 90%,  Other features: natural or forced air cooling, inbuilt lubricating pump , check and change over valve, Asbestos free spark proof vanes and positive displacement type /equivalent	Specify make, model, type And give details	-----	
b)	Tank suction hose-heavy duty PVC, 75mm diameter, 15m length min. or equivalent	specify		

## 13 SUCTION UNIT & ACCESSORIES

<p>a) It shall be complete : with 80mm suction and 100mm discharge ball valves, pressure relief valve spring type adjustable pressure, to safeguard tank from excess pressure created inside tank, Suitable quick coupler to connect hose/metal pipes, Suitable 100mm dial compound gauge( pressure range , 0-2kg/cm<sup>2</sup> , vacuum 0-760mmHg), sludge/water level indicator fitted throughout the</p>	<p>Specify or give equivalent</p>	<p>-----</p>	
<p><b>SPECIFICATION</b></p>	<p><b>REQUIREMENT</b></p>	<p><b>TENDERER'S</b></p>	<p><b>COMPLIANCE</b></p>
<p>level of tank, air relieve valve etc. fitted, Auto shut off valve provided inside the tank to prevent water from entering into the vacuum pump due to overflowing of the tank, Secondary rubber float (safety filter) shut off secondary filter for pump safety to prevent water from entering into the vacuum pump, Suitable strainer in pump suction line for pump safety</p>			
<p>14 a) Rear door  Tank fitted with a suitable knuckle dish end openable  Type,  Manually openable, hand operated wheel, air tight  heavy duty rubber gasket fitted to the rear door.</p>	<p><b>Yes</b>  Specify or give equivalent</p>	<p>----- (Y/N) ----- -</p>	

15 **BODY CONSTRUCTION AND OTHER FITTINGS**

a)	Construction: The design of the body shall increase the mobility of the vehicle, shall reduce the weight for the material, shall lower the centre of gravity and shall offer better corrosion resistance.	Yes	----- (Y/N)	
b)	Design: The bodywork shall be designed in such a way as to allow maximum accessibility to all areas to be serviced and inspected. Tank load distributed uniformly on the chassis. Provision shall be made for all major vehicle components to be removed in an easy way. For this	Yes	----- (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	purpose, lifting eyes shall be provided wherever feasible. This shall ensure that removal and replacement do not entail unacceptable downtime			
c)	Access: A ladder, mounted in vehicle's rear, shall give access to the working deck..	Yes	----- (Y/N)	
d)	Under body protection and Mud Guards: The engine shall have under driving protection and the rear wheels shall have mud guards made of galvanized steel Splash boards shall be installed	Yes	----- (Y/N)	
e)	Hose Container: The hoses shall be stored in an open container constructed of aluminium /alloy material on the right and left hand side of the tank	Yes	----- (Y/N)	

a)	Illumination: Lighting system for the interior of the cab and rear	2 No. spot lights	----- (Y/N)	
----	--	-------------------	----------------	--

17 FINISH

a)	<p><b>Suitable epoxy paint inside tank body</b></p> <p>Two coat of epoxy primer Two coats of polyethylene/synthetic enamel paint or equivalent user to choose</p> <p>Reflecting foil in front and rear of the vehicle</p> <p>Logo: in simple letters, as per client's specifications.</p>	Yes (Mandatory)	----- (Y/N)	
----	---	-----------------	----------------	--

18 a)	<p><b><u>DOCUMENTATION</u></b></p> <ul style="list-style-type: none"> <li>- set of instruction books for chassis/equipment</li> <li>- set of operation/service</li> </ul>			
-------	---	--	--	--

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
	<p>manuals and spare parts catalogues for vehicle /equipment</p> <ul style="list-style-type: none"> <li>- All manuals are in English Language</li> <li>- All instructions are in English language where pictographs do not serve the purpose</li> </ul>	Yes (Mandatory)	----- (Y/N)	

19 WARRANTY

a)	Each truck supplied should carry a statement of warranty.	Yes	----- (Y/N)	
b)	Truck warranty min., 50,000 km or 12 months whichever occurs first.	Specify	----- Km ----- months	

20 OTHER REQUIREMENTS

a)	Truck to conform to Kenya Traffic act (cap 403) and have a certificate from the vehicle inspection unit.	yes	----- (Y/N)	
b)	Vehicle will be inspected by Chief Mechanical and Transport Engineer, Ministry of Transport through its construction stages for compliance with the specification.	Yes (Mandatory)	(Y/N)	
c)	Body builders to have truck body inspected (by Certifying officer, Vehicle Inspection Unit) for compliance with Traffic Act prior to delivery to user.	Yes	(Y/N)	
d)	Truck to be registered with the Registrar of Motor Vehicles.	Yes (Mandatory)	(Y/N)	
e)	Franchise holder (representative in East Africa)------(Truck)  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	(Y/N)	
<b>SPECIFICATION</b>		<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.	(Y/N)	
g)	<b>TRAINING AND AFTER SALES SERVICE</b>  The supplier will commission the delivered vehicles at agreed destinations and carry out basic training in vehicle operation and daily maintenance and after use service at suppliers cost. Training 30 days	Yes  specify	(Y/N)  -----	

h) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify		
---	---------	--	--

Tenderer's Signature _____	Company's Rubber Stamp _____
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**60. TRUCK MOUNTED SKIP LOADER COMPLETE WITH LITTER BIN, 8 10 METRE CUBED CAPACITY MOT&I/MTD/QMS/1351**

<b>SPECIFICATION NO. MTD- 2237-398-20</b>	
<b>TENDERER'S NAME</b> _____	<b>NO:</b> _____
<b>TENDER NO:</b> _____	<b>ITEM NO:</b> _____ <b>QTY:</b> _____
<b>DESCRIPTION: TRUCK MOUNTED SKIP LOADER COMPLETE WITH LITTER BIN, 8 -10 METRE CUBED CAPACITY</b>	

**TENDERER'S SPECIFICATION Column to be completed by ALL**

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, authority and specifications supplied along with this tender.	Yes <b>(MANDATORY)</b>	(Y/N)	

## 1. GENERAL

a)	A Standard production, truck mounted, skip loader, 8-10m <sup>3</sup> , of latest design, in current production, marketed in Kenya.	Yes, Yes, Yes	_____(Y/N)	
b)	Supplied new.	Yes, Yes	_____(Y/N)	
c)	Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	
d)	Suitable for loading, unloading and carrying garbage/refuse waste bins, 8-10metre cubed (45t) capacity.	Yes	_____(Y/N)	
e)	To be hydraulically operated, truck mounted skip loader.	Yes, Yes specify	_____(Y/N) -----	
f)	Any items not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted.	Yes	.....(Y/N)	

## 2. DIMENSIONS, WEIGHTS AND PERFORMANCE.

a)	Overall length, min.	8,500mm	-----mm	
----	----------------------	---------	---------	--

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b) Overall width,approx.	2,300mm	-----mm	
c) Overall height, min.	2,700mm	-----mm	
d) Wheelbase, min.	4,700mm	-----mm	
e) Length of chassis aft of cab, min.	6,400mm	-----mm	
f) Kerb weight,min. (excluding body).	4,500Kg	-----kg	
g) G.V.W., min.	15,000Kg	-----kg	
h) Payload approx.	9,000 Kg	-----kg	
i) Permissible /legal front (steering) axle load, max.	8,000Kg	-----kg	
j) Permissible /legal rear (for dual wheels) axle load, max.	10,000Kg	-----kg	
k) Turning radius, approx.	8,800mm	-----mm	

3. ENGINE

a) Make	-		-----
b) Model	-		-----
c) Country of origin	-		-----
d) Engine performance curves supplied.	Yes		------(Yes/No)
e) Diesel Engine, water cooled, 4 Stroke.	Yes, Yes, Yes		------(Yes/No)
f) Mode of aspiration. (Natural/Turbocharged)	Specify		-----
g) Piston displacement, approx.	5,000-10,000cc		-----cc
h) Number of cylinders, min.	4/6		-----no.

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
i)	Maximum power output / rpm,	200HP / 3000rpm	-----HP/rpm min.
j)	Maximum torque developed /rpm, min.	500Nm /1800rpm	-----Nm/rpm
k)	Air cleaner type, disposable/ oil bath.	Specify	-----
l)	Oil and fuel filter type	Disposable	-----
m)	Average fuel consumption (on full load)	Specify	-----km/l
n)	Fuel tank capacity, approx.	200Lt	-----Lt
o)	Extra fuel tank fitted Capacity	Yes specify	------(Yes/No) -----Lt

4. CLUTCH AND TRANSMISSION

a)	Clutch, dry type, single plate	Yes, Yes	_____ (Y/N)
b)	Clutch, system actuation.	Hydraulic	_____
c)	Gearbox, synchromesh on 2-5.	Yes	_____ (Y/N)
d)	Number of speeds,min.	5F, 1R	_____
e)	Drive configuration.	4x2	-----x-----
f)	Two speed transfer gearbox.	Yes	_____ (Y/N)

5. BRAKES, TYRES AND SUSPENSION.

a)	Brakes, hydraulic-pneumatic assisted.	Yes	_____ (Y/N)
----	---------------------------------------	-----	----------------

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE

b)	Mechanical parking brake to act on transmission.	Yes	_____ (Y/N)
c)	Rear tyres.	Dual	_____
d)	Tires size locally available.	Yes	_____ (Y/N)

e)	Optimum tire size	11.00-20 16PR, premium type	-----
f)	Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	_____ (Y/N)

6. STEERING, CONTROL AND CAB.

a)	Right Hand drive steering	Yes	----- (Yes/No)
b)	Steering Type .	assisted	-----
c)	All steel, spacious cab to seat 3 passengers comfortably.	Yes, Yes	----- (Yes/No)
d)	Adjustable driver's seat.	Yes	----- (Yes/No)
e)	Seat belts conforming to the KEBS standard No. KS 06-664 of 1985.	Yes(Mandatory)	----- (Yes/No)

7. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	----- (Yes/No)
b)	Battery capacity and size.	specify	-----AH

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE

c)	Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	----- (Yes/No)
d)	Standard instruments, gauges and warning lights for charging circuit, oil pressure, coolant temperature etc.	Yes	----- (Yes/No)

8. EQUIPMENT ETC.

a)	Heavy duty type front fender.	Yes	----- (Yes/No)
b)	Laminated (safety) windshield.	Yes	----- (Yes/No)
c)	Sun visors supplied.	Yes	----- (Yes/No)

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE

a) All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes		----- (Y/N)
--	-----	--	----------------

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b) All body construction and installations to comply with the chassis manufacturer's specifications.	Yes		----- (Y/N)
d) Rear view mirrors (external both	Yes	-----	----- (Yes/No)
e) Full size spare tyre with rim and mounted under truck.	Yes carrier		----- (Yes/No)
f) Hydraulic (telescopic) jack, wheel brace and manufacturer's standard tools, supplied.	Yes, Yes, Yes		----- (Yes/No)
g) Vehicle to be fitted with electronic speed governor with recorder	<b>Mandatory</b>		----- (Yes/No)
h) <b>Governor to limit maximum speed to 80km/hr</b>	Mandatory		----- (Yes/No)
i) Governor to be tamper proof	Mandatory		----- (Yes/No)
j) Governor to be inspected by CM&TE before delivery	Mandatory		----- (Yes/No)
k) Any other equipment (or accessories) supplied.	specify		----- -

B. SKIP LOADER.

Make	-		
Model	-		
Country of origin.	-		
Manufacturer's literature and specifications supplied.	Yes		----- (Y/N)

9. GENERAL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Skip capacity approx.	8-10m <sup>3</sup> (4-5t)		-----
d) With high tensile lifting equipment complete with safety hooks, chains and shortening hooks.	specify		
e) With hydraulically operated lifting boom, heavy duty double acting cylinders, tank, pump, control valve etc. and complete hydraulic system.	Yes specify		.....(Y/N) -----
e) Hydraulic requirements, pressure	150-200bar		
f) Flow rate approx.	50l/min.		
g) Remote controlled bucket hooking and operated from the rear side of truck.	Yes		.....(Y/N)
h) Easily replaceable hydraulic pipes	Yes		.....(Y/N)
i) Jacking legs at the rear to stabilize vehicle during tipping and offloading bucket.	Yes		.....(Y/N)
J) Suitable size rear mudguards fitted.	Yes		----- (Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
k) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes		----- (Y/N)
l) Stone guards fitted for tail lights.	Yes		----- (Y/N)
m) Body floor with 3mm chequered plate	Yes		----- (Y/N)

12. BODY FINISH.

a) All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be preceded by one coat primer (red oxide) and intercoat.	Yes, Yes, Yes		----- (Y/N)
b) To be labelled 'KIAMBU COUNTY GOVERNMENT' Or as per the users requirements	Yes (Mandatory)		----- (Y/N)
c) Body builders to have truck body inspected (by Certifying officer, Vehicle Inspection Unit) for compliance with Traffic Act prior to delivery to user.	Yes		----- (Y/N)

13. WARRANTY

a) Each vehicle supplied should carry a statement of warranty.	Yes (Mandatory)		----- (Y/N)
b) Vehicle warranty min., 40,000 Km or 12 Months whichever occurs first.	specify		-----Km -----Months

14. MANUALS

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a) All literature in English language	Yes		----- (Y/N)
b) Repair Manual, supplied.	1 per Vehicle		----- (Y/N)
c) Parts catalogue and CD supplied.	1 per Vehicle		----- (Y/N)
d) Driver's handbook and service schedule supplied.	1 per Vehicle		----- (Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
---------------	-------------	------------	------------

15

**OTHER REQUIREMENTS**

a) Vehicle to be registered with the Registrar of Motor Vehicles.	Yes		----- (Yes/No)
b) Vehicle to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specification prior to delivery to the user.	Yes Mandatory		----- (Yes/No)
c) Franchise holder (representative in Kenya)  If not, specify relationship with the Franchise holder	Yes Specify whether agent/dealer		----- (Yes/No)  _____
d) Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.		_____ _____ _____
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify		_____ _____ _____ _____
f) Supplier to adequately train user personnel on operation and maintenance of equipment	Yes (Mandatory)		----- (Yes/No)
g) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)		----- (Yes/No)
h) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes		----- (Yes/No)

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE

**PARTB-QUOTE SEPARATELY FROM SKIP LOADER TRUCK**

**SKIPLOADER CONTAINER/LITTERBIN,8- 10<sup>3</sup> CAPACITY**

Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature and specifications supplied along with this tender.	Yes <b>(MANDATORY)</b>	(Y/N)	
<b>1. GENERAL</b>			
a) A Standard production, skip loader container /litter bin, 810m <sup>3</sup> of latest design, in current production, marketed in Kenya.	Yes, Yes, Yes	_____(Y/N)	
b) Supplied new.	Yes, Yes	_____(Y/N)	
c) Designed to export specifications, capable of operating in tropical conditions.	Yes, Yes	_____(Y/N)	
d) Suitable for storing, transport and discharge of garbage/refuse,	Yes	_____(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Skip container to be compatible with the 8-10m <sup>3</sup> truck mounted skip loader to ensure correct interfacing and safe use.	Yes <b>(Mandatory)</b>	(Y/N)	

Suitable for hydraulically \_\_\_\_\_(Y/N) f) operated, 4x2, 9-10 ton truck Yes, Yes  
mounted skip loader.

specify -----

g) Garbage capacity approx.	8-10m <sup>3</sup> (4-5tons)	----	
Any items not included in this h) specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted.	Yes	.....(Y/N)	
i) The skip loader container/litter bin to be compatible /supplied with the truck mounted skip loader	Yes	.....(Y/N)	
<b>2. DIMENSIONS, WEIGHTS AND PERFORMANCE.</b>			
a) Overall length, approx.	4,000 mm	----- mm	
b) Overall width approx.	1,800 mm	----- mm	
c) Overall height approx.	2,000 mm	----- mm	
d) Weight approx.	1,500kg	----kg	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Suitable for loading/unloading by hydraulically operated lifting boom of a truck mounted skip loader.	Yes	.....(Y/N)	
f) Garbage/refuse/waste capacity approx.	8-101m <sup>3</sup> (4-5tons)	----	

g) Skip container frame, body plates and all fittings such as hinges, locking devices to be fully welded. Yes .....(Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
h) All sides including upper and lower edges, are re-enforced with channel or rolled hollow sections.	Yes mandatory	.....(Y/N)	
i) Door locks are strong enough to keep the door(s) of a loaded container closed. They should withstand the forces exerted on them by the material in the container due to any movement during loading and travelling.	Yes specify	.....(Y/N) .....	
J) Fitted with suitable lifting points 6No. , locking devices and tipping bars, covers etc.	Yes specify	.....(Y/N) .....	
k) Suitable painting done to eliminate corrosion and rust	Yes specify	.....(Y/N) .....	
l) Suitable design used to allow liquid flow and keeping liquids (locked in) from seepage during transport to eliminate polluting the roads	Yes mandatory	.....(Y/N)	
<b>3. EQUIPMENT (ACCESSORIES) ETC</b>			
a) Manufacturers complete tools kit supplied	Yes	_____(Y/N)	
<b>4. WARRANTY</b>			
a) Specimen of warranty to be submitted when tendering	Yes, <b>Mandatory</b>	_____(Y/N)	
b) Each bin to carry manufacturers statement of warranty	Yes	_____(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Skip container warranty, min.	Specify	Years	
<b>5. OTHER REQUIREMENT</b>			
a) The Chief Mechanical and Transport Engineer will inspect Skip container /bin prior to delivery to the user.	Yes	_____(Y/N)	
b) Firm's Status: (Franchise holder/ Dealer/Agent), attach proof thereof	Specify	_____	
c) Names and locations of dealers/agents where back-up service can be obtained.	Specify	-----	
d) Supplier to train user on operation	Yes, <b>Mandatory</b>	_____(Y/N)	
e) Signage/final colours as per the users requirements	Yes, <b>Mandatory</b>	_____(Y/N)	
<b>6 MANUALS</b>			
a) All literature in English Language	Yes	_____(Y/N)	
b) Repair manual supplied	One per bin	_____(Y/N)	
c) Parts catalogue supplied	One per bin Mandatory	_____(Y/N)	
d) Operators handbook and service schedule Supplied	One per bin	_____(Y/N)	

Tenderer's Signature	Company rubber stamp
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SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Date:			

### 61. SPOT WELDING MACHINE

MOR/MTD/QMS/392		
<b>SPECIFICATION NO. MTD-1991-391-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: SPOT WELDING MACHINE</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	Manufacturer's literature, and specifications supplied (in original colour form) to support what is filled in specifications	Yes	------(Y/N)	

#### 1 GENERAL

a)	A linear press type, pneumatically operated, resistance, spot welding machine for industrial use suitable for welding structural steel, sheet metal, carbon steel and low alloy steels.	Yes	.....(Y/N)	
b)	Supplied new and unused	Yes	.....(Y/N)	

#### 3 PERFORMANCE

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
a)	Projection style spot welder	Yes	.....(Y/N)	
b)	Welding thickness capacity, x2 MS, min.	4 mm	----- mm	
c)	Max. Welding pressure, min.	150 Kg	----- Kg	
d)	Max. Rated duty cycle, min.	20 %	.....%	
e)	Max. Input power, approx.	30 KVA	.....KVA	

	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
f)	Throat depth, min.	200 mm	----- mm	
g)	Water cooling with flow meter.	Yes	.....(Y/N)	
h)	Max, short circuit current, approx.	15,000 A	.....A	
i)	Electric power supply.	220-240/380-415 V, 50/60 Hz	-----	

## **2 DIMENSIONS**

a)	Overall length, approx.	1,000 mm	----- mm	
b)	Overall width, approx.	300 mm	----- mm	
c)	Overall height, approx.	1,500 mm	----- mm	
d)	weight, approx.	200 Kg	----- Kg	

## **4 MANUALS & WARRANTIES**

a)	Manufacturer's Authorization letters, literature and specifications supplied (in original colour form) while tendering to support what is filled in specifications.	Yes mandatory	.....(Y/N)	
b)	All literature in the English language.	Yes	_____ (Y/N)	
c)	To attach Manufacturer's statement of warranty while tendering with supplier proving capability to offer after sales service.	Yes	_____ (Y/N)	

## 5 OTHER REQUIREMENTS

a)	To be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____ (Y/N)	
b)	Supplier to install, commission and carry out training on usage and maintenance.	Yes	..... (Y/N)	
c)	Operator's instruction handbook, parts catalogue supplied.	Yes	_____ (Y/N)	
d)	Tool box supplied.	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
e)	Indicate names and physical addresses where after sales service can be obtained.	Specify		

Tenderer's Signature

Official stamp.

Date:

## 62. WHEEL BALANCING MACHINE

MOR/MTD/QMS/444 SPECIFICATION NO. <b>MTD-1903-391-20</b>		
<b>TENDER'S NAME:</b>	<b>NO:</b>	
<b>TENDER NO:</b>	<b>ITEM NO:</b>	<b>QTY:</b>
<b>DESCRIPTION: WHEEL BALANCING MACHINE</b>		
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>		

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a)	MAKE	-		
b)	MODEL	-		
c)	COUNTRY OF ORIGIN	-		
d)	Manufacturer's literature and specifications supplied (in original colour form) to support what is filled in specifications	Yes	------(Y/N)	

### 1 GENERAL

a)	A wheel balancing machine suitable for a motor vehicle workshop,	Yes	.....(Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
b)	Supplied new and unused	Yes	.....(Y/N)	
c)	Manufactured to comply with CE Supply of Machinery Safety Regulations.	Yes	.....(Y/N)	

<b>2</b>	<u>DIMENSIONS</u>			
a)	Overall length, approx.	1,000 mm	----- mm	
b)	Overall width, approx.	700 mm	----- mm	
c)	Overall height, approx.	1,500 mm	----- mm	
d)	Overall weight, approx.	100 Kg	----- Kg	

<b>3</b>	<u>PERFORMANCE</u>			
a)	Rim diameter range, min.	12 – 24 inch	-----inch	
b)	Rim width range, min.	3.0 – 12 inch	-----inch	
c)	Max. Wheel weight, min.	70 Kg	-----Kg.	
d)	Balancing accuracy	+/- 1 gm	-----gm.	
e)	Balancing speed, approx.	190 rpm	-----rpm	
f)	Self diagnosis and self calibration	Yes	.....(Y/N)	
g)	Supplied with all standard accessories necessary for its performance.	Yes	_____ (Y/N)	
h)	Power supply	220-240V, 50Hz	----- V	
i)	Motor power, approx	250 W	----- W	
j)	Warranty cover, min.	6 months	----- months	

**4 MANUALS**

a)	All literature in the English language.	Yes	_____ (Y/N)	
b)	Repair Manual and parts catalogue, supplied.	Yes	_____ (Y/N)	
	<b>SPECIFICATION</b>	<b>REQUIREMENT</b>	<b>TENDERER'S</b>	<b>COMPLIANCE</b>
c)	Supplier to setup, install and train the user on operation.	Yes	_____ (Y/N)	
d)	Operator's handbook and maintenance instructions supplied.	Yes	_____ (Y/N)	
e)	Tool box supplied.	Yes	_____ (Y/N)	

**5 OTHER REQUIREMENTS**

a)	To be inspected by the Chief Mechanical and Transport Engineer prior to delivery to the user.	Yes	_____ (Y/N)	
b)	Manufacturers Authorization letters and warranties attached.	Yes	_____ (Y/N)	
c)	Firm's Status: (Franchise holder/ Dealer/Agent)	Specify		

d)	Indicate names and physical addresses of dealers/agents where back-up service can be obtained.	Specify		
----	--	---------	--	--

Tenderer's Signature	Official stamp.
Date:	

**63. MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

<b>SPECIFICATION NO.MTD-2405-014-23</b>			
<b>TENDER'S NAME:</b> _____		<b>NO:</b> _____	
<b>TENDER NO:</b> _____		<b>ITEM NO:</b> _____ <b>QTY:</b> ____	
<b>DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.</b>			
<b>TENDERER'S Column to be completed by ALL TENDERERS</b>			
<b>A CAB-CHASSIS.</b>			
MAKE	-	-----	
MODEL	-	-----	
COUNTRY OF ORIGIN	-	-----	

<b>SPECIFICATION NO.MTD-2405-014-23</b>			
<b>TENDER'S NAME:</b> _____		<b>NO:</b> _____	
<b>TENDER NO:</b> _____		<b>ITEM NO:</b> _____ <b>QTY:</b> ____	
<b>DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.</b>			
Manufacturer's literature , authority and specifications supplied	Yes Mandatory	------(Yes/No)	
			<b>COMPLIANCE</b>

1 GENERAL

a ) A 4x2 truck, with a rear body constructed so as to be used for transportation of medical waste from health care establishments to a site of final disposal, in an environmentally accepted and desirable manner that will not cause secondary pollution. Vehicle suitable to be used in off-road environment.	Yes	------(Yes/No)	
b ) Supplied new.	Yes	------(Yes/No)	

2 DIMENSIONS AND WEIGHTS

a ) Overall length approx.	6,000 mm	-----mm	
Overall width.		-----mm	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

b )	1,700-2,200 mm		
c Overall height. )	2,000-2,700 mm	-----mm	
d Wheelbase. )	2,500- 3,500mm	-----mm	
e Length of chassis aft of ) cab, approx.	4,000 mm	-----mm	
f Kerb weight (excluding ) body), max.	2,500 Kg	-----kg	
g Max. G.V.W, min. )	5,500 Kg	-----kg	
h Payload. )	2000-3,000 kg	-----Kg	
i ground clearance, min. )	200 mm	-----mm	

**3 ENGINE**

a Make )	-	-----	
Model	-	-----	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

b )			
c Diesel Engine, water cooled, 4 Stroke.	Yes Mandatory	------(Yes/No)	
d Piston displacement.	2,900-5,000 cc	-----cc	
e Maximum power output / rpm, min.	100 HP	-----HP/rpm	
f Maximum torque developed /rpm, min.	250 Nm	-----Nm/rpm	
g Fuel tank capacity, min.	70 Lt	-----Lt	

**4 CLUTCH AND TRANSMISSION**

a Manual transmission, all synchromesh gearbox with hydraulic, clutch actuation	Yes (Mandatory)	_____(Y/N)	
b Speeds, min	5F/1R	_____(Y/N)	
c Drive configuration to be 4x2,	Yes (Mandatory)	_____(Y/N)	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

**5 BRAKES, TYRES AND SUSPENSION.**

a Brakes, hydraulic or ) pneumatic assisted.	Yes	------(Yes/No)	
b Optimum tire size (size to ) be locally available).	700x16- 12PLY	-----	
c Heavy duty leaf springs ) both front and rear, with ) telescopic shock absorbers at front.	Yes	------(Yes/No)	
d Spare wheels 2No. ) complete with holders.	Yes Mandatory	------(Yes/No)	

**6 CABIN, STEERING AND EQUIPMENT.**

a Control Forward )	Yes	------(Yes/No)	
b Steering to be power ) assisted.	Yes Mandatory	------(Yes/No)	
c Hydraulic jack, wheel ) brace and manufacturer's ) standard tools supplied.	Yes	------(Yes/No)	

**B BODY CONSTRUCTION.**

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

**i. GENERAL.**

<p>a) The rear of the truck is to have a fully enclosed body mounted on the chassis, and inside this body, a container of stainless steel or equivalent-mandatory, with shelves will be fabricated, which will be used to load the medical waste. The vehicle is operated by a team, maximum 3 persons (including driver). The vehicle is planned to be used in extreme off-road environment, with heat and dust conditions.</p>	<p align="center">Yes</p>	<p align="right">.....Y/N</p>	
<p>b) <i>NB: Tenderers to make provision for minor changes during construction in either design, specifications or layout, due to practicalities of fabrication or operation. These kind of variations (should they</i></p>	<p align="center">Yes</p>	<p align="right">.....Y/N</p>	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

<p><i>happen) would be communicated as site minutes. They would be expected to be minor and MUST not bring a change in cost.</i></p>			
<p>c) NAME OF BODY BUILDER</p>	<p align="center">-</p>	<p>..... .....</p>	
<p>d) CONTACTS (physical location, telephone and website)</p>	<p align="center">-</p>	<p>----- -----</p>	
<p>e) Body manufacturer's profile, literature on previous similar works, literature on the workshop facilities and any other literature proving capability to do the work to be attached when tendering.</p>	<p align="center">Yes Mandatory</p>	<p align="right">.....(Y/N)</p>	
<p>f) Detailed engineering drawings with dimensions (Showing floor plan and all elevations, both interior and exterior) of body to be fabricated to be attached.</p>	<p align="center">Yes Mandatory</p>	<p align="right">.....(Y/N)</p>	
<p>g) Body construction and fitments to comply with</p>	<p align="center">Yes Mandatory</p>	<p align="center">(Y/N)</p>	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

CAP 403- Kenya Traffic Act. All frame welding to be done using MIG/TIG welding.			
ii. DETAILED BODY CONSTRUCTION.			
a) Overall length, .	3,000-4,000 mm	-----mm	
b) Floor to roof height.	1,700-2,000 mm	-----mm	
c) Overall interior width,	1700-2,200 mm	-----mm	
d) Under-structure to consist of longitudinal beams of 75*40*4 mm, C-channel mounted on the chassis, with transverse members of C-channel welded above them.	Yes	----- (Y/N)	
e) For wall mounting, a 40*40*2 mm SHS to be welded on the floor base all round.	Yes	----- (Y/N)	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

f)	4 SHS corner pillars welded on the floor under-structure, which are to support the side walls and the roof.	Yes	.....Y/N	
g)	Corner pillars dimensions	Specify	.....mm	
h)	A steel plate floor to be welded on top of the under structure. Fabricated from 4 mm thick mild steel plate, reinforced at equal distances with box/channel sections.	Yes	----- (Y/N)	
i)	All walls to be made of corrugated galvanized sheet min. 3 mm thickness, and welded to the 4 corners pillars	Yes	.....Y/N	
j)	Constructed body to have a door at the rear, which is outside opening to create more interior space. To have a mechanism to lock after closing, and a mechanism of holding the door in open	Yes	.....Y/N	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

	position. Door to be dust and water sealing.			
k)	Opening dimensions for rear door to be the whole width of body, height approx. 1, 700 mm.	Yes	.....Y/N	
l)	Suitable size rear stone guards and tail-light guards fitted.	Yes	.....Y/N	
m)	Suitable size tool box to be fitted under body on the left side.	Yes	------(Y/N)	
n)	Body to be properly painted, with anti-rust coat applied before painting with high grade base, both on the outside and inside.	Yes	.....Y/N	
o)	Vehicle have the international “Bio-Hazard” symbol at the back, which is of non-washable label & prominently visible. Sign to be at least 25 cm by 25 cm.	Yes	.....Y/N	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

Also an emergency telephone number to be displayed.			
iii. MEDICAL-WASTE SHELVES			
a) The medical waste is to be collected from health facilities when it is already packaged in plastic bags carrying different hazardous materials. These bags are the ones to be manually loaded into the vehicle for disposal.	Yes	.....Y/N	
b) Interior surface of the constructed body to be inlaid with single piece and jointless surfaces of stainless steel, welded or glued together without the use of cam locks or rivets (to avoid germs accumulation). Should be easy to clean (with hot or cold water), can even be steam-cleaned and disinfected.	Yes	.....Y/N	
c) Interior of the body to have shelves racks, fabricated using	Yes	.....Y/N	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

<p>stainless steel. The shelves are to have a suitably reinforced frame and steel plates at the shelf floor, sides and ceiling, all made of stainless steel. The shelves are to be firmly fixed on the floor, and are to be used hold the packaging containing the waste.</p>			
<p>d) Shelves rack to have 3 rows, covering the full height and length of the vehicle on both sides.</p>	<p align="center">Yes</p>	<p align="center">.....Y/N</p>	
<p>e) Single shelf dimensions, approx. h*w*d</p>	<p align="center">700*1,000* 750 mm</p>	<p align="center">.....mm</p>	
<p>f) To have an isle between the 2 rows of shelves. Isle floor to be of stainless steel sheet and to have lights at the ceiling for working at night.</p>	<p align="center">Yes</p>	<p align="center">.....Y/N</p>	
<p>g) Isle width</p>	<p align="center">950-1,050 mm</p>	<p align="center">.....mm</p>	
<p>h) Shelf loading capacity, min.</p>	<p align="center">100 Kg</p>	<p align="center">.....Kg</p>	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

i) Shelving to have a lip at the front to restraint stored packages from falling. There should also be a suitable system for securing the load during transport.	Yes	.....Y/N	
j) Finished interior with shelves to be waterproof, dustproof, with good water draining and giving good aesthetic look, should not have any sharp edges or any gaps where bacteria can grow.	Yes	.....Y/N	
k) Bags carrying different hazardous materials must not be loaded or transported together. A 'Segregation' system is used which is by labelling and colouring the shelves in different colours. 1st row- black 2nd row – yellow 3rd row - red	Yes	.....Y/N	
iv. ENTRY LADDER			

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

a)	Entry to the vehicle to be Truck Camper-Steps type, manual retracting, appropriately designed and mounted at the entrance door.	Yes	.....Y/N	
b)	Material to be steel	Yes	.....Y/N	
c)	No. of steps and height to be suitable for comfortable mounting and de-mounting of personnel.	Yes	.....Y/N	
d)	imum static load capacity, min.	200 kg	.....Kg	
e)	d width, min	1,200 mm	.....mm	
f)	1 anti-slip foot boards	Yes	.....Y/N	
g)	1 Glow Guide reflectors for clear visibility	Yes	.....Y/N	
h)	1 Handrail arms that also mount on the truck	Yes	.....Y/N	
<b>C.</b>	<b>ACCESSORIES</b>			
a)	Powder fire extinguishers in driver cabin and at the rear, all secured in a manufacturer bracket	Yes	.....Y/N	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

and located in full view and in accessible place.			
b) Capacity, min.	2 kg each	.....Kg	
c) Suitable size rear stone guards and tail-light guards fitted.	Yes	----- (Y/N)	
d) First aid kit to be provided with the following items: i. A handbook on first aid; ii. Materials for treating injuries; i.e. bandages, sterile gauze 4inchesx 4inches, cotton wool ,alcohol swabs 1 box of 100pcs,elastoplasts 100pcs iii. Water-miscible antiseptic/skin cleanser; iv. Antiseptic Spray 125 M v. Pain Relief Gel vi. Fire Blankets vii. Deep heat spray	Yes, all and in the required quantities	.....Y/N	

.....  
.....Y/N

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

viii. Antiseptic Solution (125mls ) ix. Strapping x. Surgical Blades 100pcs xi. Burn Cure xii. One step hand sanitizer xiii. Ten (10) pairs of sterile surgical gloves xiv. Scissors			
<b>OTHER REQUIREMENTS</b>			
a) Paint colour and branding design to be specified by user. User to provide soft copy of the branding designs.	Yes	.....(Y/N)	
b) Vehicle, body construction and fitted equipment to carry warranty. Supplier also to offer after sales service for vehicle and all equipment fitted.	Min. 12 months	.....(Y/N)	
c) Supplier to have vehicle (with constructed body and equipment)	Yes	.....(Y/N)	

**SPECIFICATION NO.MTD-2405-014-23**

**TENDER'S NAME:** \_\_\_\_\_ **NO:** \_\_\_\_\_

**TENDER NO:** \_\_\_\_\_ **ITEM NO:** \_\_\_\_\_ **QTY:** \_\_\_\_\_

**DESCRIPTION: MEDICAL WASTE VEHICLE, LIGHT DUTY, 2-3TON.**

inspected by the Director Of Motor Vehicle Inspection for roadworthiness			
d) Body construction to be supervised by the Chief Mechanical and Transport Engineer throughout the construction stages with final inspection prior to delivery to the user.	Yes	.....(Y/N)	
Indicate names and physical addresses of dealers/agents where back-up service can be obtained, both for the vehicle and for the laboratory equipment.	Specify	..... ..... .....	

### 64. BULK POWDER CEMENT CARRIER, 10,000 LITRES, 6x4, TRUCK

MOT&I/MTD/QMS/1766

SPECIFICATION NO: <u>MTD-2816-163-23</u>	
TENDERER'S NAME: _____	NO: _____
TENDER NO: _____	ITEM NO: ___ QTY: _____
DESCRIPTION: BULK POWDER CEMENT CARRIER, 10,000 LITRES , 6x4, TRUCK	
TENDERER'S SPECIFICATION Column to be completed by ALL TENDERER'S	

SPECIFICATION	REQUIREMENT	SPECIFICATION	COMPLIANCE
A. TRUCK			
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
MANUFACTURER'S LITERATURE, AUTHORITY AND SPECIFICATIONS SUPPLIED	Yes (Mandatory)	------(Yes/No)	
Detailed engineering drawings showing dimensions of the tank supplied.	Yes (Mandatory)	(Y/N)	
1. GENERAL			
a) A standard production, heavy duty, 6x4, truck of latest design, in current production.	Yes, Yes, Yes	------(Yes/No)	
b) Supplied new, unused	Yes	Yes/No	
c) Designed to heavy duty export specifications, capable of operating in tropical conditions over paved and unpaved roads.	Yes, Yes, Yes	------(Yes/No)	
d) Suitable for bulk cement powder transportation.	Yes	------(Yes/No)	

SPECIFICATION	REQUIREMENT	SPECIFICATION	COMPLIANCE
e) Any items not included in this specification but which are deemed necessary for the operation of the bulk powder cement carrier shall be fitted/supplied.	Yes mandatory	.....(Y/N)	
<b>2. DIMENSIONS AND WEIGHTS</b>			
a) Overall length, approx.	10,000 mm	----- mm	
b) Overall width, approx.	2,400 mm	----- mm	
c) Overall height, approx.	2,600 mm	----- mm	
d) Wheelbase, approx.	5,000+1,400 mm	-----_ mm	
e) Length of Cab-chassis end, min	7,000 mm	----- mm	
f) Kerb weight , approx.	13,500 Kg	----- Kg	
g) Max. G.V.W . approx.	25,000-26,000 Kg	-----_ Kg	
h) Payload , min	10,000 Kg	-----_ Kg	
<b>3. ENGINE</b>			
a) Make	-	-----	
b) Model	-	-----	
c) Country of origin	-	-----	
d) Engine performance curves supplied	Yes mandatory	------(Yes/No)	
e) Diesel Engine, water cooled, 4 stroke	Yes, Yes. Yes	------(Yes/No)	
f) Mode of aspiration-Turbocharged	Yes mandatory	------(Yes/No)	
g) Piston displacement, approx.	6,000-12,000cc	_____ cc	
h) Number of cylinders - min.	6	_____No.	
i) Maximum power output, (HP/ rpm), min.	300HP/2000rpm	_____ Hp/rpm	
j) Maximum torque developed, (NM /rpm), min.	1200Nm/1400rpm	_____ Nm/rpm	

SPECIFICATION	REQUIREMENT	SPECIFICATION	COMPLIANCE
k) Air cleaner type, disposable/oilbath	specify	_____	
l) Oil and fuel filter type	disposable	_____	
m) Average fuel consumption (on full load)	4-5km/l	_____ km/i	
n) Fuel tank capacity, min.	400Lt	_____ Lt	
<b>4. CLUTCH AND TRANSMISSION</b>			
a) Clutch, dry type, single plate	Yes, Yes	_____ (Yes/No)	
b) Clutch, system actuation.	Hydraulic	_____	
c) Number of speeds, min.	5F, 1R	_____	
d) Drive configuration.	6x4	___ x ___	
<b>5. BRAKES, TYRES AND SUSPENSION.</b>			
a) Brakes, hydraulic-pneumatic assisted	Yes	_____ (Yes/No)	
b) Mechanical parking brake to act on rear wheels.	Yes	_____ (Yes/No)	
c) Rear tyres, Dual .	Yes	_____ (Yes/No)	
d) Tyres , all terrain, tubeless and locally available.	Yes mandatory	_____ (Yes/No)	
e) Optimum tire size	specify	_____	
f) Suspension, front and rear heavy duty leaf springs with telescopic shock absorbers at front.	Yes, Yes	_____ (Yes/No)	
<b>6. STEERING AND CAB.</b>			
a) Right Hand drive	Yes	_____ (Yes/No)	
b) Steering Type.	Power assisted	_____ (Yes/No)	
c) All steel, spacious cab to seat 3 passengers	Yes, Yes	_____ (Yes/No)	

SPECIFICATION	REQUIREMENT	SPECIFICATION	COMPLIANCE
comfortably.			
d) Adjustable drivers seat.	Yes	_____ (Yes/No)	
e) All seats to have safety belts that conform to the KEBS standard No. 06-664 of 1985.	Mandatory	_____ (Yes/No)	
7. ELECTRICAL SYSTEM AND INSTRUMENTS			
a) System voltage, negative earth.	12V, Yes	_____	
b) Battery capacity and size, approx.	160 AH,2x12V	_____	
c) Full lighting to conform to Cap 403 Subs.23-Kenya Traffic Act.	Yes	_____ (Yes/No)	
d) Standard instruments and gauges (or warning lights) for charging circuit, oil pressure, coolant temperature etc.	Yes	_____ (Yes/No)	
e) Amber turning(flasher) lamps mounted on cab roof (but removable)	Yes, mandatory	_____ (Yes/No)	
8. EQUIPMENT ETC.			
a) Heavy duty type front fender.	Yes	_____ (Yes/No)	
b) Laminated (safety) windshield.	Yes	_____ (Yes/No)	
c) Sunvisors supplied.	Yes, 2 No.	_____ (Yes/No)	
d) Rear view mirrors (external and internal) supplied.	Yes, 3 No.	_____ (Yes/No)	
e) Spare wheel with carrier.	Yes	_____ (Yes/No)	
f) Hydraulic (telescopic) jack, wheel brace, fire extinguishers 2 types, safety triangles, first aid kit fully loaded and manufacturer's standard tools, supplied.	Yes, mandatory	_____ (Yes/No)	
g) Vehicle to be fitted with the latest electronic speed governor	Yes, mandatory	_____ (Yes/No)	
h) Governor to limit maximum speed to 80km/hr	Yes, mandatory	_____ (Yes/No)	
Governor to be tamper proof			

SPECIFICATION	REQUIREMENT	SPECIFICATION	COMPLIANCE
i)	Yes, mandatory	_____ (Yes/No)	
j) Governor to be inspected by CM&TE before delivery.	Yes, mandatory	_____ (Yes/No)	
k) FM, MW, SW radio with flashdisc/SD card fitted	Yes	_____ (Y/N)	
l) Any other equipment (or accessories) supplied.	specify	_____ _____ _____	
<b>9 BULK POWDER CEMENT CARRIER TANK</b>			
a) Make	-		
b) Model	-		
c) Country of origin.	-		
d) Manufacturer's literature and specifications supplied.	Yes	(Y/N)	
e) Vehicle supplier to build tank body or sub-contract to a reputable body builder	specify	----- -----	
f) If the work is sub-contracted, name sub-contractor.	specify sub-contractor	----- -----	
g) An ellipse shaped carbon steel fabricated tank, suitable of transporting powder (bulk cement) over paved and unpaved (rough) roads.	Yes, Yes, Yes	----- (Y/N)	
h) All body construction and fitments to comply with Kenya Traffic Act, Cap 403.	Yes	----- (Y/N)	
i) All body construction and installations to comply with the chassis manufacturer's specifications.	Yes	----- (Y/N)	
j) Overall length, approx.	6,000 mm	-----mm	
k) Height approx.	1,200 mm	-----mm	

SPECIFICATION		REQUIREMENT	SPECIFICATION	COMPLIANCE
l)	Overall width, approx.	2,200 mm	-----mm	
m)	Tank capacity, min.	10,000 ltr	----- Ltr	
n)	Elliptical shape steel tank with flat ends.	Yes	----- (Y/N)	
o)	Thickness, min.	2.75mm	----- mm	
p)	Suitable material for discharge valve and pipes	specify	-----	
q)	Exhaust /pump capacity of compressor approx .	0.3m <sup>3</sup> /min.	-----m <sup>3</sup> /min	
r)	Weight approx.	300kg	----- kg	
s)	Exhaust/pump pressure approx.	0.2mPa	-----mPa	
t)	Dimensions, lxwxh approx..	1,200x600x400 mm	----- mm	
u)	Tank built clear of cab to create suitable space for fitting compressor	Yes, mandatory	_____(Yes/No)	
v)	Suitable access ladder fitted for accessing the bulk cement powder tank carrier	Yes, mandatory	_____(Yes/No)	
w)	All body steelwork to be thoroughly cleaned before painting. Both internal and exterior finish to be proceeded by one coat (red oxide) and intercoat.	Yes, mandatory	_____(Yes/No)	
x)	Spare wheel carrier fitted.	Yes, mandatory	_____(Yes/No)	
y)	Suitable size tool box to be fitted under body on the side.	Yes, mandatory	_____(Yes/No)	
z)	Suitable size rear mudguards fitted.	Yes, mandatory	_____(Yes/No)	
z1)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes, mandatory	_____(Yes/No)	
z2)	Stone guards fitted for tail lights.	Yes, mandatory	_____(Yes/No)	
10 WARRANTY				

SPECIFICATION		REQUIREMENT	SPECIFICATION	COMPLIANCE
a)	Each vehicle supplied should carry a statement of warranty.	Yes	------(Y/N)	
b)	Vehicle warranty min., 100,000 km or 12 months whichever occurs first.	Specify	----- Km ----- Months	
11 MANUALS				
a)	All literature in English language	Yes	------(Y/N)	
b)	Shop Manual/soft copy, supplied	Yes	------(Y/N)	
c)	Parts catalogue/soft copy , supplied.	Yes	------(Y/N)	
d)	Drivers handbook, owners manual and service schedule supplied	Yes	------(Y/N)	
12 OTHER REQUIREMENTS				
a)	Truck to conform to Kenya Traffic act Cap. 403 and have a certificate from the vehicle inspection unit.	Yes	------(Y/N)	
b)	Truck will be inspected by Chief Mechanical (Engineer), through its construction stages for compliance with the specification.	Yes (Mandatory)	(Y/N)	
c)	Truck to be registered with the Registrar of Motor vehicles.	Yes (Mandatory)	(Y/N)	
d)	Franchise holder (representative in Kenya)------(Truck)  If not, specify relationship with franchise holder.	Yes  Specify whether agent/dealer	(Y/N)	
e)	Availability of spare parts.	Indicate motor vehicle dealers who stock spare parts.		

SPECIFICATION	REQUIREMENT	SPECIFICATION	COMPLIANCE
f) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify		

## B) WORKSHOP ACCESSORIES

ITEM N°	Item Description	Brand/make/model	Country of origin	Compliance
1.	Track assembly			
2.	Link assembly			
3.	Idler assembly			
4.	Sprocket assembly			
5.	Top roller			
6.	Bottom roller			
7.	Diff assembly			
8.	Transmission assembly			
9.	Top half engine assembly			

10.	Bottom half engine assembly			
11.	Starter assembly 24v			
12.	Alternator assembly 24v			
13.	Diff assembly			
14.	Transmission assembly			
15.	Top half engine assembly			
16.	Bottom half engine assembly			
17.	Starter assembly			
18.	Alternator assembly			
19.	Hammer bits size 10''			
20.	Hammer bits size 8''			
21.	Hammer bits size 6''			
22.	Drill bits& barrel size10''			
23.	Drill bits & barrel size 8''			
24.	Gravel pack			
25.	Steel casing size 10''			
26.	Steel casing size 8''			
<b>ITEM N°</b>	<b>Item Description</b>	<b>Brand/make/ model</b>	<b>Country of origin</b>	<b>Compliance</b>
27.	Cutting Disc size 7''			
28.	Drilling Foam			
29.	Electrical dippers 300m			

30.	Agri business training kit-green house kits			
31.	Solar road stud (charging at day and lighting at night automatically Nylon type complete with fixing at site.			



**SECTION V: PRICE SCHEDULE FOR GOODS – WORKSHOP EQUIPMENT AND ACCESSORIES**

Name of tenderer \_\_\_\_\_ Tender Number \_\_\_\_\_ Page \_ of \_\_\_\_

**A) WORKSHOP EQUIPMENT**

S/NO.	ITEM DESCRIPTION	MAKE/MODEL	COUNTRY OF ORIGIN	UNIT OF ISSUE	QTY (As and When Required)	UNIT PRICE (KShs.)
1.	Water pump. diesel engine driven			No.	AWR	
2.	Water pump, petrol engine driven			No.	AWR	
3.	Vibratory rammer, 2-3kw			No.	AWR	
4.	Mobile drier, 5t			No.	AWR	
5.	Mobile drier, 7t			No.	AWR	
6.	Mobile drier, 10t			No.	AWR	
7.	Power blower, back pack type			No.	AWR	
8.	Air compressor, 100metre cubed per min			No.	AWR	
9.	Air compressor, 200metre cubed per min			No.	AWR	
10.	mobile tower-crane 2.5t			No.	AWR	
11.	Medium size dredging and loading boat			No.	AWR	
12.	Two-stage refuse collection tipper truck, , 4x2, 1.52.5 ton capacity			No.	AWR	
13.	Mini - dumper truck, , 400kg capacity			No.	AWR	

14.	Cargo and vehicle screening van			No.	AWR	
15.	Refuse compactor truck, 3-6m cubed			No.	AWR	
16.	CNC lathe machine			No.	AWR	
17.	DTH Hammer 8 inch			No.	AWR	

S/NO.	ITEM DESCRIPTION	MAKE/MODEL	COUNTRY OF ORIGIN	UNIT OF ISSUE	QTY (As and When Required)	UNIT PRICE (KShs.)
18.	Electronic wheel alignment machine			No.	AWR	
19.	Hammer 6 Inch			No.	AWR	
20.	Hammer 10 Inch			No.	AWR	
21.	Lathe machine			No.	AWR	
22.	High pressure lifting bag set 20,30t capacity			No.	AWR	
23.	Sludge suction truck, 6000-8000 Its			No.	AWR	
24.	Street light maintenance truck, 3-5 ton			No.	AWR	
25.	Street light maintenance truck, 10 ton			No.	AWR	
26.	Street light maintenance , light truck, 11.5ton			No.	AWR	
27.	3-5 ton, car carrier truck , light duty			No.	AWR	
28.	Mobile hydraulic twin block making machine			No.	AWR	
29.	Portable concrete mixer			No.	AWR	
30.	Mechanic tool kit			No.	AWR	

31.	Auto-Electric tool box			No.	AWR	
32.	Heavy duty plant mechanic toolkit			No.	AWR	
33.	Towed concrete mixer, self loading (2)			No.	AWR	
34.	Grader attachments, 7ft			No.	AWR	
35.	Grader attachments , 6ft			No.	AWR	
36.	Pulvi-mixer			No.	AWR	
37.	Steam cleaner(car washing machine)			No.	AWR	

S/NO.	ITEM DESCRIPTION	MAKE/MODEL	COUNTRY OF ORIGIN	UNIT OF ISSUE	QTY (As and When Required)	UNIT PRICE (KShs.)
38.	Heavy duty pressurised car washer equipment			No.	AWR	
39.	Reversible Plate compactor, medium duty			No.	AWR	
40.	Light tandem Roller, 2.5-3t			No.	AWR	
41.	Poker vibrator			No.	AWR	
42.	Plate compactor			No.	AWR	
43.	Refuse collection compactor truck, 12m cubed			No.	AWR	
44.	Refuse collection tipper truck, side loading type , with crew cab, 4x2, 9t			No.	AWR	
45.	Mobile workshop truck , 4x2			No.	AWR	
46.	Workshop trolley jack, 12ton			No.	AWR	

47.	Portable angle grinder			No.	AWR	
48.	Dozer cutting edge			No.	AWR	
49.	Road sweeper, tractor towed			No.	AWR	
50.	Skip loader bin, 810mcubed, 4-5t capacity			No.	AWR	
51.	Mobile service truck, 3-5t, light truck,4x2			No.	AWR	
52.	Wheeler garbage tipper			No.	AWR	
53.	Refuse compactor , trailer mounted			No.	AWR	
54.	MIG-TIG welding machine			No.	AWR	
55.	Truck mounted jetting equipment, 3500 lts			No.	AWR	
56.	Truck mounted jetting and suction machines, 4000 lts			No.	AWR	
57.	Light duty, truck mounted, high pressure jetting equipment, 500 lts			No.	AWR	
58.	Light duty, truck mounted, desilting equipment			No.	AWR	
59.	Truck mounted gully emptier(suction machine) 3500 lts			No.	AWR	
60.	Truck skip loader complete			No.	AWR	
61.	Spot welding machine			No.	AWR	
62.	Wheel balancing machine			No.	AWR	
63.	Medical Waste Vehicle, Light Duty, 2-3ton.			No.	AWR	
64.	Bulk powder cement carrier, 10,000 litres , 6x4, truck			No.	AWR	

**B) WORKSHOP ACCESSORIES**

<b>ITEM N°</b>	<b>Item Description</b>	<b>Unit of Issue</b>	<b>Quantity (As and When Required)</b>	<b>MAKE/MODEL/COUNTRY OF ORIGIN</b>	<b>Unit price (Kshs.)</b>
1.	Track assembly	No.	AWR		
2.	Link assembly	No.	AWR		
3.	Idler assembly	No.	AWR		
4.	Sprocket assembly	No.	AWR		
5.	Top roller	No.	AWR		
6.	Bottom roller	No.	AWR		
7.	Diff assembly	No.	AWR		
8.	Transmission assembly	No.	AWR		
9.	Top half engine assembly	No.	AWR		
10.	Bottom half engine assembly	No.	AWR		
11.	Starter assembly 24v	No.	AWR		
12.	Alternator assembly 24v	No.	AWR		
13.	Diff assembly	No.	AWR		
14.	Transmission assembly	No.	AWR		
15.	Top half engine assembly	No.	AWR		
16.	Bottom half engine assembly	No.	AWR		
17.	Starter assembly	No.	AWR		
18.	Alternator assembly	No.	AWR		
19.	Hammer bits size 10''	No.	AWR		
20.	Hammer bits size 8''	No.	AWR		
21.	Hammer bits size 6''	No.	AWR		
22.	Drill bits& barrel size10''	No.	AWR		
23.	Drill bits & barrel size 8''	No.	AWR		
24.	Gravel pack	No.	AWR		

25.	Steel casing size 10''	No.	AWR		
26.	Steel casing size 8''	No.	AWR		
27.	Cutting Disc size 7''	No.	AWR		
28.	Drilling Foam	No.	AWR		
29.	Electrical dippers 300m	No.	AWR		
30.	Agri business training kit-green house kits	No.	AWR		
31.	Solar road stud (charging at day and lighting at night automatically Nylon type complete with fixing at site.	No.	AWR		
32.	Hammer Hydraulic Air TMS-SO-P Stroken 230mm Motor power -5.5kw Engine speed 1450rpm Number of hits 230rpm	No.	AWR		
33.	Hydraulic Compression Testing Machine Capacity 25KN-1000KN complete with gauge Two pillar type with hand	No.	AWR		
34.	Pression CNC Milling Machine Type CC-F1210	No.	AWR		
35.	AGIE CNC Non-Submersible Wire Eroder table size 750x500x750mm	No.	AWR		
36.	Maize Sheller Engine Driven	No.	AWR		
37.	Welding Generator	No.	AWR		
38.	Agro Tunnels(9X15) mtrs Complete with 5,000 ltrs Portable Water Tank (9x15) MTRS	No.	AWR		
39.	Milk Cooling Tank 10,000 LTRS	No.	AWR		
40.	Milk Cooling Tank 7,000 LTRS	No.	AWR		
41.	Milk Cooling Tank 5,000 LTRS	No.	AWR		
42.	Milk Cooling Tank 4,000 LTRS	No.	AWR		
43.	Milk Cooling Tank 3,200 LTRS	No.	AWR		
44.	Milk Cooling Tank 2,000 LTRS	No.	AWR		
45.	Milk Cooling Tank 1,600 LTRS	No.	AWR		
46.	Milk Dispensers 1,000 LTRS	No.	AWR		
47.	Milk Dispensers 500 LTRS	No.	AWR		
48.	Milk Dispensers 250LTRS	No.	AWR		
49.	Field Kitchen Trailer 2 TON	No.	AWR		
50.	Single line box girder type steel multi span Bridge 17.4m, 22.8m, 40.2m, 32.2, 17.4m	No.	AWR		

51.	Pontoons complete HFB comprises of 2 end sections and 1 middle section length 4.720mm, width 1250kg, load capacity 20centimeter, frees board ca. 260kg Ma load capacity (full sinking) ca. 4400kg, middle: length 4200mm weight 1185kg	No.	AWR		
52.	High-Temperature Pyrolysis Incinerator System Type SEM 500 25kg/hr.	No.	AWR		
53.	High-Temperature Pyrolysis Incinerator System Type SEM 1000 45kg/hr.	No.	AWR		
54.	High-Temperature Pyrolysis Incinerator System Type SEM 2500 100kg/hr.	No.	AWR		
55.	Coupler & Draft Gear	No.	AWR		
56.	Mobile Axle Load Weighbridge Machine	No.	AWR		
57.	Rotating Stretch Wrapping Machine	No.	AWR		
58.	Electric Pallet tugger – With Carts	No.	AWR		
59.	Dock Leveler	No.	AWR		
60.	Folding/Retractable Stairs/ladder	No.	AWR		
61.	Briquetting Machine Plant (Non-Carbonized)	No.	AWR		
62.	2 Tones Rigid Arm Counterbalance Workshop Floor Crane	No.	AWR		
63.	Electric Straddle Stacker	No.	AWR		
64.	Electric Reach truck Stacker 1.6-ton				
65.	Scissor Lift Pallet Truck	No.	AWR		
66.	High Lift Pallet Truck	No.	AWR		
67.	Medical Oxygen Generating Plant Type RAK-UO6MZE Oxygen Flow 60 ± 3LPM-4.85kw-6.5 Bar	No.	AWR		
68.	Medical Oxygen Generating Plant Type RAK-UO3MZE Oxygen Flow 30 ± 3LPM-2.15kw-6.5 Bar	No.	AWR		
69.	Medical Oxygen Generating Plant TOS 3-8-10 Cylinder Per Day-7kw Production 3.6m3/Hr. Max 4.5 Bar Booster 1.1kw	No.	AWR		
70.	Medical Oxygen Generating Plant TOS 15-54 Cylinder Per Day-26kw Production 14.5m3/Hr. Max 4.5 Bar	No.	AWR		

	Booster 7.5kw				
71.	Lock roller (254mm) 10 INCH	No.	AWR		
72.	Lock roller (200mm) 8 INCH	No.	AWR		
73.	Hammer bit 12 inch/DHT hammer	No.	AWR		
74.	Casing 6"/Screens	No.	AWR		
75.	Casing 8"/Screens	No.	AWR		
76.	Casing 10"/Screens	No.	AWR		
77.	Casing 12"/Screens	No.	AWR		
78.	Scintilometer (LAS)	No.	AWR		
79.	Arc gis version 10.1	No.	AWR		
80.	Magnetulluric (MT)	No.	AWR		
81.	Transint electromagnetic (TEM)	No.	AWR		
82.	Casing clamps for 150300mm	No.	AWR		
83.	Casing elevator 150-300mm	No.	AWR		
84.	30M by DN 75 Air hose	No.	AWR		
85.	Surface set HQ bits 5 No. and 5No.serrated ones	No.	AWR		
86.	Surface set NQ bits 5 No. and 5No. serrated ones	No.	AWR		
87.	Barrel assembly HQ-3M	No.	AWR		
88.	Barrel assembly NQ-3M	No.	AWR		
89.	Casing shoe HW	No.	AWR		
90.	Spearhead assembly (HQ) set	No.	AWR		
91.	Mud pump plunger rubber sets for CS 3001 mud pump	No.	AWR		
92.	Drilling oil	No.	AWR		
93.	HS Friction Grip Bolt (HSFGB) Hex.Nut 1- 1/4" Dia X 5" Long + Spring Washer ¼' HS Friction Grip Bolt (HSFGB) Hex. Nut 1-1/4" Dia X 4- ½" long + Spring Washer ¼'	EA	AWR		
94.	HS Friction Grip Bolt (HSFGB) Hex. Nut 3/4" Dia X 2' long + Spring	EA	AWR		
95.	HS Friction Grip Bolt (HSFGB) Hex. Nut 3/4" Dia X 2- 1/2" long + Spring Washer ¼'	EA	AWR		
96.	HS Friction Grip Bolt (HSFGB) Hex Nut 3/4" Dia X 3" long + Spring Washer ¼'	EA	AWR		
97.	HS Friction Grip Bolt (HSFGB) Hex. Nut 3/4" Dia X 3-	EA	AWR		

	1/2" long + Spring Washer ¼"				
98.	HS Friction Grip Bolt (HSFGB) Hex.Nut 3/4" Dia X 4" long + SpringWasher ¼"	EA	AWR		
99.	HS Friction Grip Bolt (HSFGB) Hex.Nut 3/4" Dia X 4-1/2" long + Spring	EA	AWR		
100.	HS Friction Grip Bolt (HSFGB) Hex. Nut 3/4" Dia X 5" long + Spring Washer ¼"	EA	AWR		
101.	Hook Bolts (Open Bridge) ¾" x 11" Washer ¼"	EA	AWR		
102.	Hook Bolts (Open Bridge) ¾" x 11"	NO	AWR		
103.	Hook Bolts (Open Bridge) ¾" x 9"	NO	AWR		
104.	Viaduct Hookbolt 16" long	NO	AWR		
105.	Industrial Socket Set ¾" X kit Size 22-34 (12pcs)	Sets	AWR		
106.	Lip Adze 3" X 6.5oz + hardwood handle	NO	AWR		
107.	M/s Angle 3"*3" *3/8"	MT	AWR		
108.	M/s Angle 3-1/2"*3-1/2" *3/8"	MT	AWR		
109.	Augers braces	EA	AWR		
110.	Bright Mild Steel Flat bar EN3 size 100mm wide x 12mm thick	MT	AWR		
111.	Bright Mild Steel hollow round bar (EN3) size 50mm Dia.(external)	MT	AWR		
112.	Bright Mild Steel round solid bar (EN3) size 30mm Dia	MT	AWR		
113.	Center Punch Set 1/2"- 3/4"	EA	AWR		
114.	Combination Spanner set kit size 22-34	Set	AWR		
115.	Cutting Chain	EA	AWR		
116.	Disc cutter 9mm	EA	AWR		
117.	Gas Cutting Torch Complete	ST	AWR		
118.	Hacksaw blades 18 TPI	EA	AWR		
119.	High Speed drill bit 5/8"	EA	AWR		
120.	M/s U-Channel 3"x 8"x3"x 3/8 (10mm)	Mt	AWR		
121.	M/s I- Joist 4"x8"x4"x 3/8" (10mm)	Mt	AWR		
122.	M/s U- Channel 3"x10"x3"x3/8" thick	Mt	AWR		
123.	M/s square bar 1"x1"	Mt	AWR		
124.	M/s Angle Iron 1"x1"x1/4" thick	Mts	AWR		

125.	Viaduct C.I chair block High leg 80 bls	Ea	AWR	
126.	Viaduct C.I chair block Low leg 80bls	Ea	AWR	
127.	Viaduct C.I chair block High leg 60 bls	Ea	AWR	
128.	Viaduct C.I chair block Low leg 60 bls	Ea	AWR	
129.	C.I canted base plate 80 bls	Ea	AWR	
130.	C.I canted base plate 60 bls	Ea	AWR	
131.	1Tonne Chain Block Hoist 3m-30m	Ea	AWR	
132.	Aluminium Paint (for Viaduct)	Ltr	AWR	
133.	Aluminium Paint (for Open Bridge)	Ltr	AWR	
134.	Railway Airbrake Hose 5/8	No.	AWR	
135.	Railway Airbrake Hose 7/8	No.	AWR	
136.	Railway Airbrake Hose 1 1/8	No.	AWR	
137.	Railway Airbrake Hose 1 3/8	No.	AWR	
138.	Railway Vacuum Brake Hose 1"	No.	AWR	
139.	Railway Vacuum Brake Hose 1 1/2"	No.	AWR	
140.	Railway Vacuum Brake Hose 2"	No.	AWR	
141.	2300 Lts Steel water/Fuel Tank Complete With Dispensing unit	Litre	AWR	
142.	Jerry Cans 20 lts	Litre	AWR	
143.	Jerry Can 5 lts	Litre	AWR	
144.	Dust Masks	No.	AWR	
145.	Lighting Towers 20mls	No.	AWR	
146.	Lighting Towers 30mls	No.	AWR	
147.	Cable 10mm <sup>2</sup> eccentric stranded aluminium 2core (ABC)	No.	AWR	
148.	Light Gauge Volumetric System	No.	AWR	
149.	(a) 18m <sup>2</sup> Complete Module Price SQ MTR	No.	AWR	
150.	(b) 15.6m <sup>2</sup> complete module Price SQ MTR	No.	AWR	
151.	(c) 26.0m <sup>2</sup> complete module Price SQ MTR	No.	AWR	
152.	2.4mm Stel Welding Wire Price per Kg	No.	AWR	
153.	2.8mm Stel Welding Wire Price per Kg	No.	AWR	
154.	1.0mm Semi-Automatic Welding Coated Copper Wire	No.	AWR	
155.	1.2mm Semi-Automatic Welding Coated Copper Wire	No.	AWR	

156.	1.2mm Aluminium Welding Wire Price per kg	No.	AWR	
157.	3.0mm Copper Welding Wire Price per Kg	No.	AWR	
158.	11KV Steel crossarm (L1650x70x70mm)	No.	AWR	
159.	11KV Cross-arm Steel 1650x125x75mm)	No.	AWR	
160.	33KV Cross-arm Steel 2400x100x75x9.5mm	No.	AWR	
161.	Terminating strap flat 508mm(20") Double	No.	AWR	
162.	Terminating Strap Flat 250x75x10mm	No.	AWR	
163.	11kv Tie Strap angle	No.	AWR	
164.	11kv Tie Strap Flat	No.	AWR	
165.	33kv Tie Strap angle	No.	AWR	
166.	33kv Tie Strap Flat	No.	AWR	
167.	L.V Fuse Bar U-Channel	No.	AWR	
168.	D Iron	No.	AWR	
169.	Double Terminating	No.	AWR	
170.	Single Terminating	No.	AWR	
171.	Stay Rod 1/2	No.	AWR	
172.	Stay Rod 3/4	No.	AWR	
173.	Stay Rod 6x1/2"	No.	AWR	
174.	Stay Rod 8x3/4"	No.	AWR	
175.	Stay Rod 5/8	No.	AWR	
176.	Cross member channel	No.	AWR	
177.	Fuse bar channel	No.	AWR	
178.	Earth Rod	No.	AWR	
179.	11kv terminal	No.	AWR	
180.	Shackle	No.	AWR	
181.	Danger hatari	No.	AWR	
182.	Ball Hook	No.	AWR	
183.	Pole Number	No.	AWR	
184.	Earth stock	No.	AWR	
185.	Clamp	No.	AWR	
186.	Turnbuckle D/Screw 5/8 x10"	No.	AWR	
187.	Turnbuckle D/Screw 3/4"x12	No.	AWR	
188.	Adaptor Ball Clevis M16	No.	AWR	

189.	Connector Line Tap 50mm <sup>2</sup> (AL)	No.	AWR	
190.	Connector Line Tap 100mm <sup>2</sup> (AL)	No.	AWR	
191.	Connector P.G Clamp 75mm <sup>2</sup> -150mm <sup>2</sup> .	No.	AWR	
192.	Connector Lug (AL/CU) 70mm <sup>2</sup>	No.	AWR	
193.	Bimetal Connector Lug (AL/CU) 100mm <sup>2</sup>	No.	AWR	
194.	Adaptor Socket Tongue, Single Hole	No.	AWR	
195.	Clamp Suspension Clevis Ended Hook 75-150mm <sup>2</sup>	No.	AWR	
196.	Clamp Dead End 75mm <sup>2</sup> -150mm <sup>2</sup>	No.	AWR	
197.	G clamp	No.	AWR	
198.	Line Taps	No.	AWR	
199.	Universal Clamp	No.	AWR	
200.	Cross member channel fuse/solid link	No.	AWR	
201.	Cross member channel L.V Fuse Bar	No.	AWR	
202.	Cross member Channel Steady bar	No.	AWR	
203.	Terminating strap flat 508mm (20'') double	No.	AWR	
204.	Terminating strap Flat 250x75x10mm	No.	AWR	
205.	Eye nut M20	No.	AWR	
206.	Bolts and Nut (Brass) 3/8''x1''	No.	AWR	
207.	Bolts and Nut (4 1/2x5/8)	No.	AWR	
208.	Bolts and Nut (9''x5/8'')	No.	AWR	
209.	Bolt and Nut M20X280mm (3/4''x1 1/2'')	No.	AWR	
210.	Bolts and Nut M20X280M (3/4''X11'')	No.	AWR	
211.	Bolt & Nut 1/2''x5'' )H/D Gal	No.	AWR	
212.	Eye Bolt and Nut M20x300(3/4"x14") H.D Ga	No.	AWR	
213.	Bracket Top Pole 33kv Delta Const.	No.	AWR	
214.	Nail Clout 1"	No.	AWR	
215.	Cover Pole Caps	No.	AWR	
216.	PME Plate	No.	AWR	
217.	Substation Number plate	No.	AWR	
218.	Insulating Tape	No.	AWR	
219.	Crane Rail per M/S	Kg/M	AWR	
220.	Steel Rail per Mts	30Kg/M	AWR	
221.	Steel Rail per Mts	51.67Kg/M	AWR	

222.	Steel Rail per Mts	64.72Kg/M	AWR		
223.	Steel Rail per Mts	60Kg/M	AWR		
224.	Steel Rail per Mts	47Kg/M	AWR		
225.	Steel Rail per Mts	30Kg/M	AWR		
226.	Railway Steel Sleepers	No.	AWR		
227.	Composite Brake Blocks	No.	AWR		
228.	Welding Rods No. 600	No.	AWR		
229.	Welding Rods No. 400	No.	AWR		
230.	Clip 'K' 95/80 lbs	No.	AWR		
231.	Clip 'D' 95/80 lbs	No.	AWR		
232.	Clip 'B' 95/80 lbs	No.	AWR		
233.	Clip 'F' 95/80 lbs	No.	AWR		
234.	Clip 'A' 95/80 lbs	No.	AWR		
235.	Clip 'K' 95/60 lbs	No.	AWR		
236.	Clip 'D' 95/60 lbs	No.	AWR		
237.	Clip 'B' 95/60 lbs	No.	AWR		
238.	Clip 'F' 95/60 lbs	No.	AWR		
239.	Clip 'A' 95/60 lbs	No.	AWR		
240.	Clip bolt long 95/80lbs	No.	AWR		
241.	Clip bolt long 95/60lbs	No.	AWR		
242.	Clipbolt short 95/80lbs	No.	AWR		
243.	Clipbolt short 95/60lbs	No.	AWR		
244.	Fishplates 95lbs	No.	AWR		
245.	Fishplates 85lbs	No.	AWR		
246.	Fishplates 80lbs	No.	AWR		
247.	Fishplates 65lbs	No.	AWR		
248.	Fishplates 60lbs	No.	AWR		
249.	Fishbolts 95lbs	No.	AWR		
250.	Fishbolts 85lbs	No.	AWR		
251.	Fishbolts 80lbs	No.	AWR		
252.	Fishbolts 65lbs	No.	AWR		
253.	Fishbolts 60lbs	No.	AWR		
254.	Flue Gas Analyzer	No.	AWR		

255.	Isokinetic Flue gas Sampler	No.	AWR	
256.	Static Voltage Stabilizer	No.	AWR	
257.	Steel Wire Rope Galvanized 12MM Diameter 6 x 36 + FC 220 MTR COIL	Roll.	AWR	
258.	Steel Wire Rope Galvanized 16MM Diameter 6X36 +FC Fibre Core 220 MTR COIL	Roll.	AWR	
259.	Steel Wire Rope Galvanized 18MM Diameter 6X36 + FC 220 MTR COIL	Roll.	AWR	
260.	Steel Wire Rope Galvanized 20MM Diameter 6X36 + FC 220 MTR COIL	Roll.	AWR	
261.	Steel Wire Rope Galvanized 24mm Diameter 6X36 + FC220 MTR COIL	Roll.	AWR	
262.	Steel Wire Rope Galvanized 28mm Diameter 6X37 + FC 220 MTR COIL	Roll.	AWR	
263.	Steel Wire Rope Galvanized 32mm Diameter 6X36 + FC 220 MTR COIL	Roll.	AWR	
264.	Steel Wire Rope Galvanized 16MM Diameter 6X36 + IWRC 1000M COIL	Roll.	AWR	
265.	Steel Wire Rope Galvanized 22mm Diameter 6X36 + IWRC RHOL 505 METRE COIL	Roll.	AWR	
266.	Steel Wire Rope Galvanized 24mm Diameter 6X36 + IWRC RHOL 505 METRE COIL	Roll.	AWR	
267.	Steel Wire Rope Galvanized 44mm Diameter 6X36 + IWRC RHOL COIL 500 METRE COIL	Roll.	AWR	
268.	Shackles (Heavy Duty Shackles, Bow Shackles)	No.	AWR	
269.	Malleable Wire Rope Clips	No.	AWR	
270.	Hooks	No.	AWR	
271.	Eye Hook with Latch	No.	AWR	
272.	Rigging Screws	No.	AWR	
273.	Turnbuckles	No.	AWR	
274.	Thimbles	No.	AWR	
275.	Wire Rope Grips	No.	AWR	
276.	Spelter Sockets	No.	AWR	

277.	Wedge Sockets	No.	AWR		
278.	Aluminum/Copper Wire Rope Ferrules	No.	AWR		
279.	Round Ring	No.	AWR		
280.	Blocks	No.	AWR		
281.	Bow Nuts	No.	AWR		
282.	Quick Links	No.	AWR		
283.	Carbine Hooks	No.	AWR		
284.	Snap Hook	No.	AWR		
285.	Expansion Anchors	No.	AWR		
286.	Double Wheel and Single Wheel Block	No.	AWR		
287.	Simplex and Duplex Stainless-Steel Wire Rope Clips	No.	AWR		
288.	Lifting Chains	No.	AWR		
289.	Wire Rope Slings	No.	AWR		
290.	Load Binders	No.	AWR		
291.	Lifting Belts	No.	AWR		
292.	Welding Rods (3.15 mm 5Kg Packet)	No.	AWR		
293.	Walk Through Metal Detector Baggage Scanner	No.	AWR		
294.	Portable Walk Through Metal Detector	No.	AWR		
295.	Hand Held Metal Detector	No.	AWR		
296.	Complete Set of Standard Wheel Clamp with Chain and Padlock	No.	AWR		
297.	20 KVA THREE PHASE DIESEL GENERATOR	No.	AWR		
298.	POWER BANDSAW (ROTATING TYPE)	No.	AWR		
299.	SURFACE GRINDER	No.	AWR		
300.	CNC CYLINDRICAL GRINDER MACHINE	No.	AWR		
301.	UNIVERSAL TOOL & CUTTER GRINDER	No.	AWR		
302.	CNC MILLING MACHINE	No.	AWR		
303.	POWER PRESS (SLIPPER RE-CONDITIONING EQUIPMENT – COMPLETE)	No.	AWR		
304.	BRAKE PRESS	No.	AWR		
305.	UNIVERSAL TENSILE MACHINE	No.	AWR		
306.	ULTRASONIC CRACK DETECTOR	No.	AWR		
307.	METAL WORKING LATHE	No.	AWR		
308.	OVERHEAD CRANE	No.	AWR		

309.	PORTABLE HARDNESS TESTER	No.	AWR		
310.	METALLURGICAL MICROSCOPE	No.	AWR		
311.	MIG/TIG WELDING MACHINE	No.	AWR		
312.	CNC BENDING MACHINE	No.	AWR		
313.	INDUCTION HEAT TREATMENT MACHINE	No.	AWR		
314.	GEAR FINISHING MACHINE	No.	AWR		
315.	RADIAL DRILLING MACHINE	No.	AWR		
316.	FLOOR SAW: (CONCRETE/ASPHALT CUTTING EQUIPMENT)	No.	AWR		
317.	STEEL BAR CUTTING MACHINE	No.	AWR		
318.	VIBRATORY RAMMER, 2-3 KW	No.	AWR		
319.	PORTABLE CONCRETE MIXER, 140LITRE	No.	AWR		
320.	GROUND FLOOR POLISHING MACHINE	No.	AWR		
321.	HYDRAULIC PRESS, 20TON	No.	AWR		
322.	ASPHALT ROAD SURFACE SLOTTING MACHINE	No.	AWR		
323.	MOBILE WORKSHOP , LIGHT TRUCK., 3-5 TON	No.	AWR		
324.	CARBON SILICON ANALYSER	No.	AWR		
325.	SLOTTING MACHINE, 225MM CAPACITY	No.	AWR		
326.	MOBILE TRAUMA FACILITY	No.	AWR		
327.	PORTABLE HEALTH CLINIC	No.	AWR		
328.	200 LITRE SOLAR ENERGY SYSTEMS SPECIFICATIONS	No.	AWR		
329.	400 LITRE SOLAR ENERGY SYSTEMS SPECIFICATIONS	No.	AWR		
330.	MOBILE FIELD BAKERY SYSTEM	No.	AWR		
331.	MEDIUM SIZE, HYDRAULIC MOBILE BLOCK MAKING	No.	AWR		
332.	HEAVY DUTY, MOBILE, HYDRAULIC BLOCK MAKING	No.	AWR		
333.	250KG INDUCTION FURNANCE	No.	AWR		
334.	1000KG INDUCTION FURNANCE	No.	AWR		
335.	MASS SPECTROMETER	No.	AWR		
336.	HYDRAULIC BENDING MACHINE,METAL SHEET	No.	AWR		
337.	UNIVERSAL HARDNESS TESTER	No.	AWR		
338.	STEEL BAR CUTTING MACHINE	No.	AWR		
339.	SPECIAL DUTY BREAKER SET, OPERATED BY HEAVY DUTY CRAW	No.	AWR		
340.	ALL TERRAIN, PERSONNEL CARRIER, ARTICULATED TRACK TYPE	No.	AWR		
341.	FODDER GROWING MODULE	No.	AWR		

342.	MEDIUM HYDRAULIC RESCUE SET	No.	AWR		
343.	NON-FERROUS INDUCTION FURNACE	No.	AWR		
344.	5000KG INDUCTION FURNACE	No.	AWR		
345.	VEHICLE STANDS 3TONS	No.	AWR		
346.	VEHICLE STANDS 6TONS	No.	AWR		
347.	TROLLEY JACK 12TONS	No.	AWR		
348.	PORTABLE VARIABLE SPEED HEAVY DUTY HAND DRILLING MACHINE	No.	AWR		
349.	ENGINE STANDS	No.	AWR		
350.	GREASE BUCKET	No.	AWR		
351.	PORTABLE ANGLE GRINDER (230MM)	No.	AWR		
352.	PANEL BEATING TOOL KIT	No.	AWR		
353.	TORQUE WRENCH, ¾ INCH WITH PROTRACTOR ATTACHMENT	No.	AWR		
354.	OIL FILTER WRENCH	No.	AWR		
355.	VEHICLE JACKS, (SCISSORS TYPE) 1.5TONS	No.	AWR		
356.	VEHICLE JACKS, (BOTTLE TYPE) 12TONS	No.	AWR		
357.	VEHICLE JACKS, (BOTTLE TYPE) 15TONS	No.	AWR		
358.	CREEPER BOARD	No.	AWR		
359.	BATTERY CHARGER	No.	AWR		
360.	TELESCOPIC INSPECTION MIRROR	No.	AWR		
361.	DIGITAL MULTITESTER	No.	AWR		
362.	ARMATURE TESTER	No.	AWR		
363.	AUTOMATIC TYRE REMOVING KIT	No.	AWR		
364.	ELECTRONIC WHEEL ALIGNMENT EQUIPMENT	No.	AWR		
365.	BATTERY SERVICE KIT	No.	AWR		
366.	SPOT WELDER	No.	AWR		
367.	TRANSMISSION JACK	No.	AWR		
368.	HYDRAULIC HUB PULLER SET	No.	AWR		
369.	STEERING WHEEL PULLER SET	No.	AWR		
370.	WORKSHOP PULLER KIT GENERAL SET	No.	AWR		
371.	OIL PRESSURE TESTER	No.	AWR		
372.	COOLING SYSTEM TESTER	No.	AWR		
373.	HEATING PLUG TESTER	No.	AWR		
374.	HEAVY DUTY LAZY TONGS RIVETER COMPLETE WITH 500PCS ALUMINIUM RIVETS	No.	AWR		

375.	PISTON RING COMPRESSORS SET OF 3	No.	AWR		
376.	VALVE LIFTER (150MM-350MM)	No.	AWR		
377.	GRAVITY FEED REFINISHING SPRAY GUN	No.	AWR		
378.	FOUR WAY RIM WRENCHES (1/2".7/8".3/4"., 5/8")	No.	AWR		
379.	FOUR WAY RIM WRENCHES (24, 27, 32, 38)	No.	AWR		
380.	FOUR WAY RIM WRENCHES (19, 22, 24, 27)	No.	AWR		
381.	BODY JACK COMPLETE WITH BODY ALIGNMENT SET, 10 TON	No.	AWR		
382.	PORTABLE ABLUTION SYSTEM	No.	AWR		
383.	WATER PURIFICATION EQUIPMENT (DESALINATOR), HEAVY DUTY, TRAILER MOUNTED	No.	AWR		
384.	AUTOMATED VEHICLE TEST LANES AND EQUIPMENT	No.	AWR		
385.	MORTABOXE ELECTROMECHANICAL TYPE MENRIDER ELECTRIC GENERATORS IMO CLASS FLAT CAR	No.	AWR		
386.	ROTA DUMP STATION MULHAUSER CAR	No.	AWR		
387.	PORTABLE ABLUTION SYSTEM	No.	AWR		
388.	WATER PURIFICATION EQUIPMENT (DESALINATOR), HEAVY DUTY, TRAILER MOUNTED	No.	AWR		
389.	Radial Drilling Machine AJ 155 48in radial Arm 3 Phase H/Duty	No.	AWR		
390.	Lathe Machinen with staright bed admit2000mm (80in) between centres suitable for 415/3/50 Heavy duty	No.	AWR		
391.	Vertical Milling Machine u2508 manual feed 3 phase Heavyb Duty Table Surfacer 560x250mm (22x10in)	No.	AWR		
392.	Universal Milling Machine table 1100x240(43 3/4 x9 3/8in) 3 phase Heavy Duty.	No.	AWR		
393.	Cylindrical Grinding Machine Micromatic AJ 200A – AJ260x800 3 phase Heavy Duty	No.	AWR		
394.	Rapid Hydraulic Surface Cylinder AJ 450-750 3 Phase Heavy Duty	No.	AWR		
395.	Shaping Machine 14m-18m Ram Maximum stroke 355mm(14in)-457mm(18in) No of speeds 16) 11-101 spm. 3 phase Heavy Duty	No.	AWR		
396.	Guillotine/Shearing Machine with cutting capacity of 6.5mm in stainless steel material	No.	AWR		

397.	Sheet/Plate Bending Machine with capacity of bending material with thickness of 10mm and width of 3080mm	No.	AWR		
398.	Mechanical Sheet & Plate Rolling Machine with capacity of rolling mild steel plate with thickness of up to 10mm and stainless steel up to 5mm	No.	AWR		
399.	WOODWORK COMBINATION MACHINE 7-IN-1	No.	AWR		
400.	CABRO COMPACTION MACHINE	No.	AWR		
401.	CLAY BLOCKS COMPACTION MACHINE	No.	AWR		
402.	SEWING MACHINES Cw	No.	AWR		
403.	Embroidery machine	No.	AWR		
404.	CAR WASH PRESSURE SPRAYING MACHINES	No.	AWR		
405.	WOODWORK ROUTER/MOULDER MACHINE	No.	AWR		
406.	COMMERCIAL BLENDER/JUICER MACHINE	No.	AWR		
407.	AIR COMPRESSORS	No.	AWR		
408.	BENCH GRINDERS	No.	AWR		
409.	BODY REPAIR KIT	No.	AWR		
410.	BENCH VICE	No.	AWR		
411.	ARC WELDING MACHINES	No.	AWR		
412.	OXY-ACETYLENE WELDING SET	No.	AWR		
413.	WOOD PLANER	No.	AWR		
414.	DUAL ORBITAL SANDER	No.	AWR		
415.	HAND METAL SHEAR	No.	AWR		
416.	Hydraulic shearing machine	No.	AWR		
417.	CHOP SAW	No.	AWR		
418.	PLUG ADAPTORS	No.	AWR		
419.	ANGLE GRINDERS	No.	AWR		
420.	HAND DRILLING MACHINE	No.	AWR		
421.	SPRAY GUN	No.	AWR		
422.	HD GLOVES LEATHER/RUBBER	No.	AWR		
423.	DRILLING CHUCK	No.	AWR		
424.	EAR MUFFS	No.	AWR		
425.	GRINDING DISC	No.	AWR		

426.	MECHANICAL TOOL BOX	No.	AWR		
427.	ELECTRICAL TOOL BOX	No.	AWR		
428.	HYDRAULIC OIL 20ltr	No.	AWR		
429.	WELDING HAND SHIELD SPARE LENS	No.	AWR		
430.	LATHE CUTTING TOOL 12mm, 15mm, 16mm, 25mm	No.	AWR		
431.	WELDING HELMETS	No.	AWR		
432.	HYDRAULIC PRESS	No.	AWR		
433.	METAL WORK BENCHES	No.	AWR		
434.	WOOD WORK BENCHES	No.	AWR		
435.	STEEL TOOL CABINET	No.	AWR		
436.	SINGLE PHASE WELDING M/C 400 AMP (FAN COOLED)	No.	AWR		
437.	MIG WELDING MACHINE	No.	AWR		
438.	SPOT WELDING MACHINE	No.	AWR		
439.	SHEET ROLLING MACHINE	No.	AWR		
440.	MANUAL SHEARING MACHINE	No.	AWR		
441.	Hydraulic shearing machine	No.	AWR		
442.	Spiral Hose Couplings	No.	AWR		
443.	Spiral Hose Couplings	No.	AWR		
444.	Impact wrench kit	No.	AWR		
445.	Universal Vehicle Diagnostic Kit	No.	AWR		
446.	Horizontal Animal Feed Mixer	No.	AWR		
447.	Grinding Disc 4"	No.	AWR		
448.	Grinding Disc 7"	No.	AWR		
449.	Grinding Wheel Pairs	No.	AWR		
450.	Cutting Disc 4"	No.	AWR		
451.	Cutting Disc 7"	No.	AWR		

Name of tenderer.....

Signature of tenderer.....

Date.....



**FORM OF TENDER SECURITY - DEMAND BANK GUARANTEE**

**Beneficiary:** \_\_\_\_\_

**ITT No:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**TENDER GUARANTEE No.:** \_\_\_\_\_

**Guarantor:** \_\_\_\_\_

1. We have been informed that \_\_\_\_\_(hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its Tender (hereinafter called "the Tender") for the execution of \_\_\_\_\_under Request for Tenders No. \_\_\_\_\_("the ITT").
2. Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.
3. At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_(\_\_\_\_\_) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:
  - a) has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Applicant; or
  - b) having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension thereto provided by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the Performance.
4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii)twenty-eight days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

\_\_\_\_\_  
*[signature(s)]*

**FORM OF TENDER SECURITY (TENDER BOND)**

*[The Surety shall fill in this Tender Bond Form in accordance with the instructions indicated.]*

BOND NO. \_\_\_\_\_

1. BY THIS BOND.....*[name of tenderer]* as Principal (hereinafter called “the Principal”), and..... *[name, legal title, and address of surety]*, **authorized to transact business in** *[name of country of Procuring Entity]*, as Surety (hereinafter called “the Surety”), are held and firmly bound unto..... *[name of Procuring Entity]* as Obligee (hereinafter called “the Procuring Entity”) in the sum of.....*[amount of Bond]*<sup>1</sup>*[amount in words]*, for the payment of which sum, well and truly to be made, we, the said Principal and Surety, bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.
2. WHEREAS the Principal has submitted or will submit a written Tender to the Procuring Entity dated the \_\_\_\_\_ day \_\_\_\_\_ of \_\_\_\_\_, 20\_\_\_\_\_, for the supply of \_\_\_\_\_ *[name of Contract]* (hereinafter called the “Tender”).
3. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal:
  - a) has withdrawn its Tender during the period of Tender validity set forth in the Principal's Letter of Tender (“the Tender Validity Period”), or any extension thereto provided by the Principal; or
  - b) having been notified of the acceptance of its Tender by the Procuring Entity during the Tender Validity Period or any extension thereto provided by the Principal; (i) failed to execute the Contract agreement; or  
(ii) has failed to furnish the Performance Security, in accordance with the Instructions to tenderers (“ITT”) of the Procuring Entity's Tendering document.

then the Surety undertakes to immediately pay to the Procuring Entity up to the above amount upon receipt of the Procuring Entity's first written demand, without the Procuring Entity having to substantiate its demand, provided that in its demand the Procuring Entity shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

4. The Surety hereby agrees that its obligation will remain in full force and effect up to and including the date 30 days after the date of expiration of the Tender Validity Period set forth in the Principal's Letter of Tender or any extension thereto provided by the Principal.
5. IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executed in their respective names this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

Principal:\_\_\_ Corporate Seal (where appropriate)

Surety: \_\_\_\_\_

\_\_\_\_\_  
*(Signature)*

\_\_\_\_\_  
*(Signature)*

\_\_\_\_\_  
*(Printed name and title)*

\_\_\_\_\_  
*(Printed name and title)*

<sup>1</sup>The amount of the Bond shall be denominated in the currency Kenya shillings or the equivalent amount in a freely convertible currency.

**FORM OF TENDER-SECURING DECLARATION**

*[The Bidder shall complete this Form in accordance with the instructions indicated]*

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

Tender No.:.....*[insert number of tendering process]*

To:.....*[insert complete name of*

*Purchaser]* I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
- 2. I/We accept that I/we will automatically be suspended from being eligible for tendering in any contract with the Purchaser for the period of time of .....*[insert number of months or years]* starting on .....*[insert date]*, if we are in breach of our obligation(s) under the bid conditions, because we – (a) have withdrawn our tender during the period of tender validity specified by us in the Tendering Data Sheet; or (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the instructions to tenders.
- 3. I/We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer(s), upon the earlier of:
  - a) our receipt of a copy of your notification of the name of the successful Tenderer; or
  - b) thirty days after the expiration of our Tender.
- 4. I/We understand that if I am/we are/in a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and the Joint Venture has not been legally constituted at the time of bidding, the Tender Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed:.....

Capacity / title (director or partner or sole proprietor, etc.) .....  
.....

Name: .....

Duly authorized to sign the bid for and on behalf of: .....*[insert complete name of*

*Tenderer]*. Dated on ..... day of ..... *[Insert date of signing]*.

Seal or stamp.

**MANUFACTURER'S AUTHORIZATION FORM**

*[The tenderer shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The tenderer shall include it in its Tender, if so indicated in the TDS.]*

Date:.....*[insert date (as day, month and year) of Tender submission]*

ITT No.:.....*[insert number of ITT process]* Alternative No.:.....*[insert identification No if this is a Tender for an alternative]*

To:.....*[insert complete name of Procuring Entity]* WHEREAS

We..... *[insert complete name of Manufacturer]*, who are official manufacturers of.....*[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of tenderer]* to submit a Tender the purpose of which is to provide the following Goods, manufactured by us..... *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed:.....*[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name:.....*[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title:.....*[insert title]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

# PART 3 - CONDITIONS OF CONTRACT AND CONTRACT FORMS

## SECTION VI - GENERAL CONDITIONS OF CONTRACT

### 1. Definitions

In the Conditions of Contract (“these Conditions”), which include Special Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

- a) “Contract” means the Contract Agreement entered into between the Procuring Entity and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- b) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- c) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- d) “Day” means calendar day.
- e) “Completion” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- f) “GCC” means the General Conditions of Contract.
- g) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Procuring Entity under the Contract.
- h) “Procuring Entity” means the Procuring Entity purchasing the Goods and Related Services, as **specified in the SCC.**
- i) “Related Services” means the services incidental to the supply of the goods, such as insurance, delivery, installation, commissioning, training and initial maintenance and other such obligations of the Supplier under the Contract.
- j) “SCC” means the Special Conditions of Contract.
- k) “Subcontractor” means any person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- l) “Supplier” means the person, private or government entity, or a combination of the above, whose Tender to perform the Contract has been accepted by the Procuring Entity and is named as such in the Contract Agreement.
- m) “**Base Date**” means a date 30 day prior to the submission of tenders.
- n) “**Laws**” means all national legislation, statutes, ordinances, and regulations and by-laws of any legally constituted public authority.
- o) “**Letter of Acceptance**” means the letter of formal acceptance, signed by the contractor. Procuring Entity, including any annexed memoranda comprising agreements between and signed by both Parties.
- p) “**Procuring Entity**” means the Entity named in the Special Conditions of Contract.

## **2. Interpretation**

2.1. If the context so requires it, singular means plural and vice versa.

### **2.2. Incoterms**

- a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms **specified in the SCC**.
- b) The terms EXW and CIP and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

## **3. Contract Documents**

Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole. The documents forming the Contract shall be interpreted in the following order of priority:

- a) the Contract Agreement,
- b) the Letter of Acceptance,
- c) the General Conditions of Contract
- d) Special Conditions of Contract
- e) the Form of Tender,
- f) the Specifications and Schedules of the Drawings (if any), and
- g) the Schedules of Requirements, Price Schedule and any other documents forming part of the Contract.

## **4. Fraud and Corruption**

3.1 The supplier shall comply with anti-corruption laws and guidelines and the prevailing sanctions, policies and procedures as set forth in the Laws of Kenya.

3.2 The Supplier shall disclose any commissions, gratuity or fees that may have been paid or are to be paid to agents or any other person with respect to the Tendering process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

### **4.1 Entire Agreement**

4.3.1 The Contract constitutes the entire agreement between the Procuring Entity and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

### **4.2 Amendment**

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

### **4.3 Non-waiver**

- a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

#### **4.4 Severability**

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

#### **5. Language**

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Procuring Entity, shall be written in the **English Language**. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate and certified translation of the relevant passages in the **English Language**, in which case, for purposes of interpretation of the Contract, the English language is translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

#### **6. Joint Venture, Consortium or Association**

6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Procuring Entity for the fulfilment of the provisions of the Contract and shall designate one member of the joint venture, consortium, or association to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior written consent of the Procuring Entity.

#### **7. Eligibility**

7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Sub-contractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.

7.2 All Goods and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

7.3 The Tenderer, if a Kenyan firm, must submit with its tender a valid tax compliance certificate from the Kenya Revenue Authority.

#### **8. Notices**

8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term "in writing" means communicated in written form with proof of receipt.

8.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

#### **9. Governing Law**

9.1 The Contract shall be governed by and interpreted in accordance with the laws of Kenya.

9.2 Throughout the execution of the Contract, the Supplier shall comply with the import of goods and services prohibitions in Kenya:

- a) where, as a matter of law, compliance or official regulations, Kenya prohibits commercial relations with that country or any import of goods from that country or any payments to any country, person, or entity in that country ; or
- b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods from that country or any payments to any country, person, or entity.

#### **10. Settlement of Disputes**

- 101 The Procuring Entity and the Supplier shall make every effort to resolve amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 102 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Procuring Entity or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

### **102 Arbitration proceedings shall be conducted as follows:**

- 1021 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 10.1 shall be finally settled by arbitration.
- 1022 No arbitration proceedings shall be commenced on any claim or dispute where notice of a claim or dispute has not been given by the applying party within thirty days of the occurrence or discovery of the matter or issue giving rise to the dispute.
- 1023 Notwithstanding the issue of a notice as stated above, the arbitration of such a claim or dispute shall not commence unless an attempt has in the first instance been made by the parties to settle such claim or dispute amicably with or without the assistance of third parties. Proof of such attempt shall be required.
- 1024 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any due payments.
- 1025 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for the dispute given in its notice of a claim or dispute.
- 1026 Arbitration may be commenced prior to or after delivery of the goods. The obligations of the Parties shall not be altered by reason of any arbitration being conducted during the progress of the delivery of goods.
- 1027 The terms of the remuneration of each or all the members of Arbitration shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.

### **103 Arbitration Proceedings**

- 1031 Arbitration proceedings with national suppliers will be conducted in accordance with the Arbitration Laws of Kenya. In case of any claim or dispute, such claim or dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The dispute shall be referred to the arbitration and final decision of a person or persons to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed, on the request of the applying party, by the Chairman or Vice Chairman of any of the following professional institutions;
- i) Kenya National Chamber of Commerce
  - ii) Chartered Institute of Arbitrators (Kenya Branch)
  - iii) The Law Society of Kenya
- 1032 The institution written to first by the aggrieved party shall take precedence over all other institutions.

### **1033 Alternative Arbitration Proceedings**

Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

### **104 Arbitration with Foreign Suppliers**

1041 Arbitration with foreign suppliers shall be conducted in accordance with the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL); or with proceedings administered by the International Chamber of Commerce (ICC) and conducted under the ICC Rules of Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.

1042 The place of arbitration shall be a location specified in the **SCC**; and the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].

### **105 Alternative Arbitration Proceedings**

Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

### **106 Failure to Comply with Arbitrator's Decision**

1061 The award of such Arbitrator shall be final and binding upon the parties.

10.6.1 In the event that a Party fails to comply with a final and binding Arbitrator's decision, then the other Party may, without prejudice to any other rights it may have, refer the matter to a competent court of law.

### **107 Contract operations continue**

Notwithstanding any reference to arbitration herein,

- a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- b) the Procuring Entity shall pay the Supplier any monies due the Supplier.

## **11. Inspections and Audit by the Procuring Entity**

11.1 The Supplier shall keep, and shall cause its Subcontractors to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time, changes and costs.

11.2 Pursuant to paragraph 2.2 of Instruction to Tenderers, the Supplier shall permit and shall cause its subcontractors to permit, the Procuring Entity and/or persons appointed by the Procuring Entity or by other statutory bodies of the Government to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Procuring Entity. The Supplier's and its Subcontractors' attention is drawn to Sub- Clause 3.1 which provides, inter alia, that acts intended to materially impede the exercise of the Procuring Entity's inspection and audit rights constitute a prohibited practice subject to contract termination, as well as to a determination of ineligibility.

## **12. Scope of Supply**

12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

## **13. Delivery and Documents**

13.1 Subject to GCC Sub-Clause 33.1, the delivery of the Goods and completion of the Related Services shall be in accordance with the List of Goods and Delivery Schedule specified in the Supply Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.

## **14. Supplier's Responsibilities**

14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.

## 15. Contract Price

- 15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Tender, with the exception of any price adjustments authorized in the **SCC**.
- 15.2 Where the contract price is different from the corrected tender price, in order to ensure the supplier is not paid less or more relative to the contract price (*which would be the tender price*), any partial payment valuation based on rates in the schedule of prices in the Tender, will be adjusted by a plus or minus percentage. The percentage already worked out during tender evaluation is worked out as follows:  $(\text{corrected tender price} - \text{tender price}) / \text{tender price} \times 100$ .

## 16. Terms of Payment

- 16.1 The Supplier shall request for payment by submitting invoice(s), delivery note(s) and any other relevant documents as specified in the **SCC** to the Procuring Entity.
- 16.2 Payments shall be made promptly by the Procuring Entity, but not later than thirty (30) days after submission of an invoice by the Supplier, and after the Procuring Entity has accepted it.
- 16.3 Where a Procuring Entity rejects Goods and Related Services, in part or wholly, the procuring Entity shall promptly inform the Supplier to collect, replace or rectify as appropriate and give reasons for rejection. The Supplier shall submit a fresh invoice, delivery note and any other relevant documents as specified in the **SCC**.
- 16.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the Tender price is expressed.
- 16.5 In the event that the Procuring Entity fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Procuring Entity may pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitrage award.

## 17. Taxes and Duties

- 17.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, and other such levies incurred to deliver the Goods and Related Services to the Procuring Entity at the final delivery point.
- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Kenya, the Supplier shall inform the Procuring Entity and the Procuring Entity shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

## 18. Performance Security

- 18.1 If required as specified in the **SCC**, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2 The proceeds of the Performance Security shall be payable to the Procuring Entity as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 As specified in **the SCC**, the Performance Security, if required, shall be denominated in the currency(ies) of the Contract, or in a freely convertible currency acceptable to the Procuring Entity; and shall be in one of the formats stipulated by the Procuring Entity in **the SCC**, or in another format acceptable to the Procuring Entity.
- 18.4 The Performance Security shall be discharged by the Procuring Entity and returned to the Supplier not later than thirty (30) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.

## 19. Copyright

19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring Entity by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Procuring Entity directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

## **20. Confidential Information**

20.1 The Procuring Entity and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Sub-Supplier such documents, data, and other information it receives from the Procuring Entity to the extent required for the Sub Supplier to perform its work under the Contract, in which event the Supplier shall obtain from such Sub Supplier undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.

20.2 The Procuring Entity shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Procuring Entity for any purpose other than the performance of the Contract.

20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:

- a) the Procuring Entity or Supplier need to share with other arms of Government or other bodies participating in the financing of the Contract; such parties shall be disclosed in **the SCC**;
- b) now or hereafter enters the public domain through no fault of that party;
- c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
- d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

## **21. Subcontracting**

21.1 The Supplier shall notify the Procuring Entity in writing of all subcontracts awarded under the Contract if not already specified in the Tender. Such notification, in the original Tender or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

## **22. Specifications and Standards**

22.1 Technical Specifications and Drawings

- a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
- b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Procuring Entity, by giving a notice of such disclaimer to the Procuring Entity.
- c) Wherever references are made in the Contract to codes and standards in accordance with

which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Procuring Entity and shall be treated in accordance with GCC Clause 33.

### **23. Packing and Documents**

- 23.1 The Supplier 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. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 23.2 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, including additional requirements, if any, specified **in the SCC**, and in any other instructions ordered by the Procuring Entity.

### **24. Insurance**

- 24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.

### **25. Transportation and Incidental Services**

- 25.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified **in SCC**:
- a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
  - b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
  - c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
  - d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
  - e) training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services

### **26. Inspections and Tests**

- 26.1 The Supplier shall at its own expense and at no cost to the Procuring Entity carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.
- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in Kenya as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, 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.
- 26.3 The Procuring Entity or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Procuring Entity bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to,

all travelling and board and lodging expenses.

- 264 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Procuring Entity. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Procuring Entity or its designated representative to attend the test and/or inspection.
- 265 The Procuring Entity may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 266 The Supplier shall provide the Procuring Entity with a report of the results of any such test and/or inspection.
- 267 The Procuring Entity may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall repeat the test and/or inspection, at no cost to the Procuring Entity, upon giving a notice pursuant to GCC Sub- Clause 26.4.
- 268 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Procuring Entity or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

## **27. Liquidated Damages**

- 27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Procuring Entity may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Procuring Entity may terminate the Contract pursuant to GCC Clause 35.

## **28. Warranty**

- 28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- 28.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 28.4 The Procuring Entity shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Procuring Entity shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Procuring Entity.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Procuring Entity may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Entity may have against the Supplier under the Contract.

## **29. Patent Indemnity**

29.1 The Supplier shall, subject to the Procuring Entity's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Procuring Entity and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Procuring Entity may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Procuring Entity arising out of the matters referred to in GCC Sub-Clause 29.1, the Procuring Entity shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Procuring Entity's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Procuring Entity within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Procuring Entity shall be free to conduct the same on its own behalf.

29.4 The Procuring Entity shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Procuring Entity shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Procuring Entity.

## **30. Limitation of Liability**

30.1 Except in cases of criminal negligence or willful misconduct,

- a) the Supplier shall not be liable to the Procuring Entity, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Procuring Entity, and
- b) the aggregate liability of the Supplier to the Procuring Entity, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the Procuring Entity with respect to patent infringement.

## **31. Change in Laws and Regulations**

31.1 Unless otherwise specified in the Contract, if after the date of 30 days prior to date of Tender submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Kenya (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

### **32. Force Majeure**

32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Procuring Entity in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Entity in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Entity in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

### **33. Change Orders and Contract Amendments**

33.1 The Procuring Entity may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Entity;
- b) the method of shipment or packing;
- c) the place of delivery; and
- d) the Related Services to be provided by the Supplier.

33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Procuring Entity's change order.

33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

33.4 **Value Engineering:** The Supplier may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following;

- a) the proposed change(s), and a description of the difference to the existing contract requirements;
- b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle costs) the Procuring Entity may incur in implementing the value engineering proposal; and
- c) a description of any effect(s) of the change on performance/functionality.

33.5 The Procuring Entity may accept the value engineering proposal if the proposal demonstrates benefits

that:

- a) accelerates the delivery period; or
- b) reduces the Contract Price or the life cycle costs to the Procuring Entity; or
- c) improves the quality, efficiency or sustainability of the Goods; or
- d) yields any other benefits to the Procuring Entity, without compromising the necessary functions of the Facilities.

33.6 If the value engineering proposal is approved by the Procuring Entity and results in:

- a) a reduction of the Contract Price; the amount to be paid to the Supplier shall be the percentage specified **in the SCC** of the reduction in the Contract Price; or
- b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in
  - (a) to (d) above, the amount to be paid to the Supplier shall be the full increase in the Contract Price.

33.7 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

#### **34. Extensions of Time**

34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Procuring Entity in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Procuring Entity shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

#### **35. Termination**

35.1 Termination for Default

- a) The Procuring Entity, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
  - i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Procuring Entity pursuant to GCC Clause 34;
  - ii) if the Supplier fails to perform any other obligation under the Contract; or
  - iii) if the Supplier, in the judgment of the Procuring Entity has engaged in Fraud and Corruption, as defined in paragraph 2.2 a of the Appendix to the GCC, in competing for or in executing the Contract.
- b) In the event the Procuring Entity terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Procuring Entity may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Procuring Entity for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

The Procuring Entity may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Procuring Entity

35.2 Termination for Convenience.

- a) The Procuring Entity, by notice sent to the Supplier, may terminate the Contract, in whole or

- in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Entity's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Entity at the Contract terms and prices. For the remaining Goods, the Procuring Entity may elect:
    - i) to have any portion completed and delivered at the Contract terms and prices; and/or
    - ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

**36. Assignment**

- 36.1 Neither the Procuring Entity nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

**37. Export Restriction**

- 37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Procuring Entity, to Kenya, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Procuring Entity that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Procuring Entity's convenience pursuant to Sub-Clause 35.3.

## SECTION VII - SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

*[The Procuring Entity shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics].*

### SECTION VII - SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

*[The Procuring Entity shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]*

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
<b>GCC 1.1(h)</b>	The Procuring Entity is: <b>STATE DEPARTMENT FOR PUBLIC WORKS (SUPPLIES BRANCH)</b>
<b>GCC 4.2 (a)</b>	The meaning of the trade terms shall be as prescribed by Incoterms. If the meaning of any trade term and the rights and obligations of the parties thereunder shall not be as prescribed by Incoterms, they shall be as prescribed by: <i>INCOTERMS 2015</i>
<b>GCC 4.2 (b)</b>	The version edition of Incoterms shall be <i>INCOTERMS 2015</i>
<b>GCC 8.1</b>	The reference number of the Invitation for Tenders is: <b>TENDER NUMBER: SDPW/SB/029/2022-2024</b> The Procuring Entity is: <b>MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT, STATE DEPARTMENT OF PUBLIC WORKS – SUPPLIES BRANCH DEPARTMENT</b> The name of the Contract is: <b>SUPPLY AND DELIVERY OF WORKSHOP EQUIPMENT AND ACCESSORIES ON AS AND WHEN REQUIRED BASIS, FOR TWO YEARS</b> The number and identification of lots (contracts) comprising this Invitation for Tenders is: <b>N/A</b>
<b>GCC 10.3</b>	Arbitration shall be conducted by Nairobi Centre for International Arbitration.
<b>GCC 10.4.2</b>	The place of arbitration shall be <b>NAIROBI, KENYA</b>
<b>GCC 13.1</b>	<i>Inspection and test of the items shall be done at the final destination i.e., Point of use or as advised by Procuring Entity.</i>
<b>GCC 15.1</b>	The prices quoted by the Tenderer <b>SHALL</b> be adjusted regularly through an advisory issued to the End Users due to volatility of commodity prices during the performance of the contract in accordance to Section 139 4 (a) of the Public Procurement and Asset Disposal Act, 2015 and subject to the market survey conducted.
<b>GCC 16.1</b>	<i>Upon inspection and acceptance of goods payment shall be made to the tenderer within 60 days, after submission of invoice.</i>
<b>GCC 16.5</b>	The payment-delay period after which the Procuring Entity shall pay interest to the supplier shall be <i>90 days</i> .
<b>GCC 18.1</b>	A Performance Security: <b>Not Applicable.</b>
<b>GCC 23.2</b>	Please note that the end user may request for products to be re-packaged and labelled accordingly at no extra cost.
<b>GCC 26.1</b>	Delivery Programme shall be specified in the LPO by the Procuring Entity engaging the contractor. The contract shall run for a period of two years with a possibility of contract renewal for a further one year depending on the performance of the awarded bidder(s).
<b>GCC 26.2</b>	<i>Inspection and test of the items shall be done at the final destination i.e., Point of use or as advised by Procuring Entity.</i>
<b>GCC 28.5, GCC 28.6</b>	The period for repair or replacement shall be: <b>30 days.</b>

## **SECTION VIII - CONTRACT FORMS**

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful tenderer after contract award.

## FORM No 1: NOTIFICATION OF INTENTION TO AWARD

This Notification of Intention to Award shall be sent to each Tenderer that submitted a Tender. Send this Notification to the Tenderer's Authorized Representative named in the Tender Information Form on the format below.

-----

### FORMAT

1. For the attention of Tenderer's Authorized Representative

I) Name: \_\_\_\_\_ [insert Authorized Representative's name]

ii) Address: \_\_\_\_\_ [insert Authorized Representative's Address]

iii) Telephone: \_\_\_\_\_ [insert Authorized Representative's telephone/fax numbers]

iv) Email Address: \_\_\_\_\_ [insert Authorized Representative's email address]

[IMPORTANT: insert the date that this Notification is transmitted to Tenderers. The Notification must be sent to all Tenderers simultaneously. This means on the same date and as close to the same time as possible.]

2. Date of transmission: \_\_\_\_\_ [email] on [date] \_\_\_\_\_ (local time)

This Notification is sent by \_\_\_\_\_ (Name and designation) \_\_\_\_\_

3. Notification of Intention to Award

I) Employer: \_\_\_\_\_ [insert the name of the Employer]

ii) Project: \_\_\_\_\_ [insert name of project]

iii) Contract title: \_\_\_\_\_ [insert the name of the contract]

iv) Country: \_\_\_\_\_ [insert country where ITT is issued]

v) ITT No: \_\_\_\_\_ [insert ITT reference number from Procurement Plan]

This Notification of Intention to Award (Notification) notifies you of our decision to award the above contract. The transmission of this Notification begins the Standstill Period. During the Standstill Period, you may:

4. Request a debriefing in relation to the evaluation of your tender

Submit a Procurement-related Complaint in relation to the decision to award the contract.

a) The successful tenderer

i) Name of successful Tender \_\_\_\_\_

ii) Address of the successful Tender \_\_\_\_\_

iii) Contract price of the successful Tender Kenya Shillings \_\_\_\_\_ (in words \_\_\_\_\_)

b) Other Tenderers

Names of all Tenderers that submitted a Tender. If the Tender's price was evaluated include the evaluated price as well as the Tender price as read out. For Tenders not evaluated, give one main reason the Tender was unsuccessful.

S/No	Name of Tender	Tender Price as read out	Tender's evaluated price (Note a)	One Reason Why Not Evaluated
1				
2				
3				
4				
5				

(Note a) State NE if not evaluated

5. How to request a debriefing

- a) DEADLINE: The deadline to request a debriefing expires at midnight on [insert date] (local time).
- b) You may request a debriefing in relation to the results of the evaluation of your Tender. If you decide to request a debriefing your written request must be made within three (5) Business Days of receipt of this Notification of Intention to Award.
- c) Provide the contract name, reference number, name of the Tenderer, contact details; and address the request for debriefing as follows:
  - i) Attention: \_\_\_\_\_ [insert full name of person, if applicable]
  - ii) Title/position: \_\_\_\_\_ [insert title/position]
  - ii) Agency: \_\_\_\_\_ [insert name of Employer]
  - iii) Email address: \_\_\_\_\_ [insert email address]
- d) If your request for a debriefing is received within the 3 Days deadline, we will provide the debriefing within five (3) Business Days of receipt of your request. If we are unable to provide the debriefing within this period, the Standstill Period shall be extended by five (3) Days after the date that the debriefing is provided. If this happens, we will notify you and confirm the date that the extended Standstill Period will end.
- e) The debriefing may be in writing, by phone, video conference call or in person. We shall promptly advise you in writing how the debriefing will take place and confirm the date and time.
- f) If the deadline to request a debriefing has expired, you may still request a debriefing. In this case, we will provide the debriefing as soon as practicable, and normally no later than fifteen (15) Days from the date of publication of the Contract Award Notice.

6. How to make a complaint

- a) Period: Procurement-related Complaint challenging the decision to award shall be submitted by midnight, [insert date] (local time).
- b) Provide the contract name, reference number, name of the Tenderer, contact details; and address the Procurement-related Complaint as follows:
  - i) Attention: \_\_\_\_\_ [insert full name of person, if applicable]
  - ii) Title/position: \_\_\_\_\_ [insert title/position]
  - iii) Agency: \_\_\_\_\_ [insert name of Employer]
  - iv) Email address: \_\_\_\_\_ [insert email address]
- c) At this point in the procurement process, you may submit a Procurement-related Complaint challenging the decision to award the contract. You do not need to have requested, or received, a debriefing before making this complaint. Your complaint must be submitted within the Standstill Period and received by us before the Standstill Period ends.
- d) Further information: For more information refer to the Public Procurement and Disposals Act 2015 and its Regulations available from the Website [www.ppra.go.ke](http://www.ppra.go.ke) or email [complaints@ppra.go.ke](mailto:complaints@ppra.go.ke).

You should read these documents before preparing and submitting your complaint.

- e) There are four essential requirements:
- i) You must be an 'interested party'. In this case, that means a Tenderer who submitted a Tender in this tendering process, and is the recipient of a Notification of Intention to Award.
- ii) The complaint can only challenge the decision to award the contract.
- iii) You must submit the complaint within the period stated above.
- iv) You must include, in your complaint, all of the information required to support your complaint.

**7. Standstill Period**

- i) DEADLINE: The Standstill Period is due to end at midnight on [*insert date*] (local time).
- ii) The Standstill Period lasts ten (14) Days after the date of transmission of this Notification of Intention to Award.
- iii) The Standstill Period may be extended as stated in paragraph Section 5 (d) above.

If you have any questions regarding this Notification please do not hesitate to contact us.

On behalf of the Employer:

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Title/position:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**FORM NO 2: NOTIFICATION OF AWARD - LETTER OF ACCEPTANCE**

*[letterhead paper of the Employer]*

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

To \_\_\_\_\_ *[name and address of the Contractor]*

This is to notify you that your Tender dated \_\_\_\_\_ *[date]* for execution of the \_\_\_\_\_ *[name of the Contract and identification number, as given in the Contract Data]* for the Accepted Contract Amount \_\_\_\_\_ *[amount in numbers and words] [name of currency]*, as corrected and modified in accordance with the Instructions to Tenderers, is hereby accepted by \_\_\_\_\_ *(name of Employer)*.

You are requested to furnish the Performance Security within 30 days in accordance with the Conditions of Contract, using, for that purpose, one of the Performance Security Forms included in Section VIII, Contract Forms, of the Tender Document.

Authorized Signature: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Employer: \_\_\_\_\_

Attachment: *Contract Agreement*: \_\_\_\_\_

**NOTIFICATION OF AWARD - LETTER OF ACCEPTANCE**

*[use letterhead paper of the Procuring Entity]*

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

To: \_\_\_\_\_ *[name and address of the Supplier]*

Subject: \_\_\_\_\_ *Notification of Award Contract No. . . . . .*

This is to notify you that your Tender dated \_\_\_\_\_ *[insert date]* for execution of the \_\_\_\_\_ *[insert name of the contract and identification number, as given in the SCC]* for the Accepted Contract Amount of \_\_\_\_\_ *[insert amount in numbers and words and name of currency]*, as corrected and modified in accordance with the Instructions to tenderers is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 30 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Section X, Contract Forms, of the Tendering document.

Authorized Signature: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Agency: \_\_\_\_\_

**Attachment: Contract Agreement**

## FORM NO 3 - CONTRACT AGREEMENT

*[The successful tenderer shall fill in this form in accordance with the instructions indicated]*

THIS AGREEMENT made the \_\_\_\_\_ *[insert: number]* day of \_\_\_\_\_ *[insert: month]*, *[insert: year]*. BETWEEN (1) \_\_\_\_\_ *[insert complete name of Procuring Entity]* and having its principal place of business at *[insert: address of Procuring Entity]* (hereinafter called "Procuring Entity"), of the one part; and (2) \_\_\_\_\_ *[insert name of Supplier]*, a corporation incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at \_\_\_\_\_ *[insert: address of Supplier]* (hereinafter called "the Supplier"), of the other part.

3. WHEREAS the Procuring Entity invited Tenders for certain Goods and ancillary services, viz., \_\_\_\_\_ *[insert brief description of Goods and Services]* and has accepted a Tender by the Supplier for the supply of those Goods and Services, the Procuring Entity and the Supplier agree as follows:

- i) In this Agreement words and expressions shall have the same meanings as are \_\_\_\_\_ respectively assigned to them in the Contract documents referred to.
- ii) The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.
  - a) the Letter of Acceptance
  - b) the Letter of Tender
  - c) the Addenda Nos. \_\_\_\_\_ (if any)
  - d) Special Conditions of Contract
  - e) General Conditions of Contract
  - f) the Specification (including Schedule of Requirements and Technical Specifications)
  - g) the completed Schedules (including Price Schedules)
  - h) any other document listed in GCC as forming part of the Contract
- iii) In consideration of the payments to be made by the Procuring Entity to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Procuring Entity to provide the Goods and Services 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 Supplier in consideration of the provision of the Goods and Services 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.

5. IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Kenya on the day, month and year indicated above.

### **For and on behalf of the Procuring Entity**

Signed: \_\_\_\_\_ *[insert signature]*

in the capacity of \_\_\_\_\_ *[insert title or other appropriate*

*designation]* In the presence of \_\_\_\_\_ *[insert identification of official witness]*

### **For and on behalf of the Supplier**

Signed: \_\_\_\_\_ *[insert signature of authorized representative(s) of the*

*Supplier]* in the capacity of \_\_\_\_\_ *[insert title or other appropriate*

*designation]* in the presence of \_\_\_\_\_ *[insert identification of official witness]*

**FORM NO. 4 - PERFORMANCE SECURITY [Option 1 - Unconditional Demand Bank Guarantee]**

*[Guarantor letterhead]*

**Beneficiary:** \_\_\_\_\_ *[insert name and Address of*

*Employer]* **Date:** \_\_\_\_\_ *[Insert date of issue]*

**Guarantor:** \_\_\_\_\_ *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that \_\_\_\_\_ (hereinafter called "the Contractor") has entered into Contract No. \_\_\_\_\_ dated \_\_\_\_\_ with (name of Employer) \_\_\_\_\_ (the Employer as the Beneficiary), for the execution of \_\_\_\_\_ (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ (in words),<sup>1</sup> such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.
4. This guarantee shall expire, no later than the .... Day of ....., 2.....<sup>2</sup>, and any demand for payment under it must be received by us at the office indicated above on or before that date.
5. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

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*[Name of Authorized Official, signature(s) and seals/stamps]*

**Note:** *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*

**FORM No. 5 - PERFORMANCE SECURITY [Option 2- Performance Bond]**

*[Note: Procuring Entities are advised to use Performance Security – Unconditional Demand Bank Guarantee instead of Performance Bond due to difficulties involved in calling Bond holder to action]*

*[Guarantor letterhead or SWIFT identifier code]*

**Beneficiary:** \_\_\_\_\_ *[insert name and Address of Employer]* **Date:** \_\_\_\_\_ *[Insert date of issue]*

**PERFORMANCE BOND No.:** \_\_\_\_\_

**Guarantor:** \_\_\_\_\_ *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. By this Bond \_\_\_\_\_ as Principal (hereinafter called “the Contractor”) and \_\_\_\_\_] as Surety (hereinafter called “the Surety”), are held and firmly bound unto \_\_\_\_\_] as Obligees (hereinafter called “the Employer”) in the amount of \_\_\_\_\_ for the payment of which sum well and truly to be made in the types and proportions of currencies in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
2. WHEREAS the Contractor has entered into a written Agreement with the Employer dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for \_\_\_\_\_ in accordance with the documents, plans, specifications, and amendments thereto, which to the extent herein provided for, are by reference made part hereof and are hereinafter referred to as the Contract.
3. NOW, THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise, it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, in default under the Contract, the Employer having performed the Employer's obligations thereunder, the Surety may promptly remedy the default, or shall promptly:
  - 1) complete the Contract in accordance with its terms and conditions; or
  - 2) obtain a tender or tenders from qualified tenderers for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive Tenderers, arrange for a Contract between such Tenderer, and Employer and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the Balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term “Balance of the Contract Price,” as used in this paragraph, shall mean the total amount payable by Employer to Contractor under the Contract, less the amount properly paid by Employer to Contractor; or
  - 3) pay the Employer the amount required by Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.
4. The Surety shall not be liable for a greater sum than the specified penalty of this Bond.
5. Any suit under this Bond must be instituted before the expiration of one year from the date of the issuing of the Taking-Over Certificate. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors, and assigns of the Employer.
6. In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this day \_\_\_\_\_ of \_\_\_\_\_ 20\_\_\_\_\_.

SIGNED ON \_\_\_\_\_ on behalf of

By \_\_\_\_\_ in the capacity

of In the presence of

SIGNED ON \_\_\_\_\_ on behalf of

By \_\_\_\_\_ in the capacity

of In the presence of

**FORM NO. 6 - ADVANCE PAYMENT SECURITY [Demand Bank Guarantee]**

*[Guarantor letterhead]*

**Beneficiary:** \_\_\_\_\_ *[Insert name and Address of Employer]* **Date:** \_\_\_\_\_ *[Insert date of issue]*

**ADVANCE PAYMENT GUARANTEE No.:** \_\_\_\_\_ *[Insert guarantee reference number]* **Guarantor:** \_\_\_\_\_ *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that \_\_\_\_\_ (hereinafter called "the Contractor") has entered into Contract No. \_\_\_\_\_ dated \_\_\_\_\_ with the Beneficiary, for the execution of \_\_\_\_\_ (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum \_\_\_\_\_ (in words) is to be made against an advance payment guarantee.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ (in words) upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:
  - a) has used the advance payment for purposes other than the costs of mobilization in respect of the goods; or
  - b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.
4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Contractor on its account number \_\_\_\_\_ at \_\_\_\_\_
5. The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, or on the \_\_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_, whichever is earlier.  
Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.
6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

*[Name of Authorized Official, signature(s) and seals/stamps]*

***Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.***

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<sup>1</sup>*The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency of the advance payment as specified in the Contract.*

<sup>2</sup>*Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.*