



REPUBLIC OF KENYA

**MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT
STATE DEPARTMENT OF PUBLIC WORKS
P. O. BOX 30071-01300, NAIROBI**

(SUPPLIES BRANCH)

TENDER DOCUMENT FOR FRAME WORK AGREEMENTS

FOR

**SUPPLY AND DELIVERY OF DOZERS, EXCAVATORS, GRADERS,
LOADERS AND ROLLERS AS AND WHEN REQUIRED, FOR TWO
YEARS**

TENDER NUMBER: SDPW/SB/027/2022-2024

CLOSING DATE: 10th March, 2023 at 10.00 a.m.

- 1) **Ministry of Lands, Public Works, Housing and Urban Development
State Department of Public Works**

(SUPPLIES BRANCH); Likoni Road, Industrial Area

P. O. Box 30071-01300, Nairobi.

Email address: info@suppliesbranch.go.ke

- 2) **Invitation to Tender (ITT) No.... TENDER NUMBER: SDPW/SB/027/2022-2024**

- 3) **Tender Name..... SUPPLY AND DELIVERY OF DOZERS, EXCAVATORS, GRADERS,
LOADERS AND ROLLERS AS AND WHEN REQUIRED, FOR TWO YEARS**



REPUBLIC OF KENYA

Ministry of Lands, Public Works, Housing and Urban Development

State Department of Public Works

INVITATION TO TENDER

FRAME WORK AGREEMENTS FOR SUPPLY AND DELIVERY OF DOZERS, EXCAVATORS, GRADERS, LOADERS AND ROLLERS AS AND WHEN REQUIRED, FOR TWO YEARS

1. The **Principal Secretary, State Department of Public Works** invites sealed tenders for the **SUPPLY AND DELIVERY OF DOZERS, EXCAVATORS, GRADERS, LOADERS AND ROLLERS AS AND WHEN REQUIRED, FOR TWO YEARS**
2. Tendering will be conducted under Open Tendering Method (National) using a standardized tender document. Tendering is open to all qualified and interested Tenderers.
3. Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours, from the Supplies Branch 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. Tender documents obtained electronically will be free of charge.
5. Tender documents may be viewed and downloaded for free from the website www.suppliesbranch.go.ke. Tenderers who download the tender document must forward their particulars immediately to info@suppliesbranch.go.ke, for registration

And Address it to:

**The Head of Supplies Branch,
Likoni Road, Industrial Area,
P. O. Box 30071-01300, Nairobi**

to facilitate any further clarification or addendum.

6. All Tenders must be accompanied by a **Tender Security of Kshs. 1,000,000.00**. in the form of banker's cheque to the Head- Supplies Branch or a guarantee issued by a reputable bank/ Insurance company. The **tender security** shall remain **valid for 210 days** after the date of opening.
7. Prices quoted should be net inclusive of all taxes, delivery costs and must be expressed in Kenya Shillings and shall remain valid for one **Hundred and Eighty (180) days** from the closing/opening date of the tender.
8. The Tenderer shall chronologically serialize all pages of the tender documents submitted.
9. Completed tenders must be delivered to the address below on or before **10th March, 2021 at 10.00 a.m.** Electronic Tenders will not be permitted.
10. 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**.
9. Late tenders will be rejected.

10. The address for Submission / Opening of Tenders:

- 1) **Ministry of Lands, Public Works, Housing and Urban Development, State Department of Public Works**
- 2) **The Head of Supplies Branch,
Supplies Branch,
Likoni Road, Industrial Area,
P. O. Box 30071-01300, Nairobi.**

11. Complete Tender Documents shall be dropped in the tender box located at Supplies Branch Headquarters Likoni Road, Industrial Area, Nairobi Ground Floor reception.

**HEAD/ SUPPLIES BRANCH
FOR: PRINCIPAL SECRETARY**

Signature_____

Date_____

PART 1 - TENDERING PROCEDURES

SECTION I -INSTRUCTIONS TO TENDERERS

A. General

1. Scope of Tender

- 1.1 This tendering document is for the delivery of Non-Consulting Services, as specified in Section V, Procuring Entity's Requirements. The name, identification and number of this tender are specified in the **TDS**.

2. Throughout this tendering document:

The terms:

- 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 contexts or esquires, “singular” means “plural” and vice versa; and
 - 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 the Procuring Entity's official public holidays.
- 2.2 The successful Tenderer will be expected to complete the performance of the Services by the Intended Completion Date provided **in the TDS**.

3. Fraud and Corruption

- 3.1 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015 (the Act), 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.
- 3.2 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.
- 3.3 **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 **TDS** and make available to all the firms together with this tender document all Information that would in that respect gives such firm any unfair competitive advantage over competing firms.
- 3.4 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. The Procuring Entity shall indicate in the **TDS** firms (if any) that provided consulting services for the contract being tendered for. The Procuring Entity shall check whether the owners or controllers of the Tenderer are same as those that provided consulting services. The Procuring Entity shall, upon request, make available to any tenderer information that would give such firm unfair competitive advantage over competing firms.

4 Eligible Tenderers

- 4.1 A Tenderer may be a firm that is a private entity, a state-owned entity or institution subject to ITT 4.6, 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 Form of intent. 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. Members of a joint venture may not also make an individual tender, be a sub contract or in a separate tender or be part of another joint venture for the purposes of the same Tender. The maximum number of JV members shall be specified in the **TDS**.
- 4.2 Public Officers, of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother or Sister of a Spouse in which they have a substantial or controlling interest shall not be eligible to tender or be awarded contract. Public Officers are also not allowed to participate in any procurement proceedings.
- 4.3 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 legal representative 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 Procuring Entity's Requirements (including Activities Schedules, Performance Specifications and Drawings) for the Non-Consulting Services 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 2. 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
 - h 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 conflicts stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the procurement process and execution of the Contract.
- 4.4 A firm that is a Tenderer (either individually or as a JV member) shall not participate in 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 sub-contractor in more than one Tender.
- 4.5 A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT 4 .9.
- 4.6 A Tenderer that has been sanctioned by PPRA or are under a temporary suspension or a debarment imposed by any other entity of the Government of Kenya shall be ineligible to be pre-qualified for, initially selected for, tender for, propose for, or be awarded a contract during such period of sanctioning. The list of debarred firms and individuals is available at the PPRA Website www.ppra.go.ke
- 4.7 Tenderers that are state-owned enterprises or institutions in Kenya may be eligible to compete and be awarded a Contract(s) only if they can establish that they: (i) are legally and financially autonomous; (ii) operate under Commercial law; and (iii) are not under supervision of the Procuring Entity.

- 4.8 Firms and individuals may be ineligible if (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 take under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person or entity in that country.
- 4.9 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.
- 4.10 Foreign tenderers are required to source at least forty (40%) percent of their contract inputs (in supplies, subcontracts and labor) from national suppliers and contractors. To this end, a foreign tenderer shall provide in its tender documentary evidence that this requirement is met. Foreign tenderers not meeting this criterion will be automatically disqualified. Information required to enable the Procuring Entity determine if this condition is met shall be provided in for this purpose is be provided in “*SECTION III-EVALUATION AND QUALIFICATION CRITERIA, Item 9*”.
- 4.11 Pursuant to the eligibility requirements of ITT 4.10, a tender is considered a foreign tenderer, if the tenderer is not registered in Kenya or if the tenderer is registered in Kenya and has less than 51 percent ownership by Kenyan citizens. JVs are considered as foreign tenderers if the individual member firms are not registered in Kenya or if are registered in Kenya and have less than 51 percent ownership by Kenyan citizens. The JV shall not sub contract to foreign firms more than 10 percent of the contract price, excluding provisional sums.
- 4.12 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 exempt 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
- 4.13 A Tenderer may be considered ineligible if he/she offers 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.
- 4.14 A Kenyan tenderer shall be eligible to tender if it provides evidence of having fulfilled his/her tax obligations by producing a valid tax compliance certificate or tax exemption certificate is sued by the Kenya Revenue Authority.

5 Qualification of the Tenderer

- 5.1 All Tenderers shall provide in Section IV, Tendering Forms, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.
- 5.2 In the event that pre-qualification of Tenderers has been undertaken as stated in ITT 18.3, the provisions on qualifications of the Section III, Evaluation and Qualification Criteria shall not apply.

B. Contents of Tendering Document

6 Sections of Tendering Document

- 6.1 The tendering document consists 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 ITT 10.

PART 1: Tendering Procedures

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

PART 2: Procuring Entity's Requirements

- v) Section V-Procuring Entity's Requirements

PART 3: Contract

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

- 6.2 The Invitation to Tender (ITT) notice or the notice to pre-qualify Tenderers, as the case may be, issued by the Procuring Entity is not part of this tendering document.
- 6.3 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 ITT 10. In case of any contradiction, documents obtained directly from the Procuring Entity shall prevail.
- 6.4 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.

1. Site Visit

- 7.1 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine and inspect the Site of the Required Services and its surroundings and obtain all information that may be necessary for preparing the Tender and entering in to a contract for the Services. The costs of visiting the Site shall be the Tenderer's own expense.

8 Pre-Tender Meeting

- 8.1 The Procuring Entity shall specify in the **TDS** if a pre-tender conference will be held, when and where. The Procuring Entity shall also specify in the **TDS** if a pre-arranged pretender site visit will be held and when. The Tenderer's designated representative is invited to attend a pre-arranged pretender visit of the site of the works. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 8.2 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.
- 8.3 Minutes of the pre-Tender meeting and the pre-arranged pre tender visit of the site of the service, 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 ITT6.3. Minutes shall not identify the source of the questions asked.
- 8.4 The Procuring Entity shall also promptly publish anonymized (*no names*) Minutes of the pre-Tender meeting and the pre-arranged pretender visit of the site of the service 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 ITT10 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.

9 Clarification of Tender Documents

- 9.1 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 and the pre- arranged pretender visit of the site of the Service if provided for in accordance with ITT 8.4. 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 6.3, 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 webpage 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 appropriately following the procedure under ITT 8.4.

10 Amendment of Tender Documents

- 10.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the Tendering document by issuing addenda.
- 10.2 Any addendum issued shall be part of the tendering document and shall be communicated in writing to all who have obtained the tendering 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 8.4.
- 10.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity shall extend, as necessary, the deadline for submission of Tenders, in accordance with ITT 24.2 below.

C. Preparation of Tenders

11 Cost of Tendering

- 11.1 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.

12 Language of Tender

- 12.1 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 the 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.

13 Documents Comprising the Tender

- 13.1 The Tender shall comprise the following:
 - a **Form of Tender** prepared in accordance with ITT 14;
 - b **Schedules:** priced Activity Schedule completed in accordance with ITT 14 and ITT 16;
 - c **Tender Security or Tender-Securing Declaration** in accordance with ITT 21.1;
 - d **Alternative Tender:** if permissible in accordance with ITT 15;
 - e **Authorization:** written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordance with ITT 22.3;
 - f **Qualifications:** documentary evidence in accordance with ITT 19 establishing the Tenderer's qualifications to perform the Contract if its Tender is accepted;
 - g **Tenderer's Eligibility:** documentary evidence in accordance with ITT 19 establishing the Tenderer's eligibility to Tender;
 - h **Conformity:** documentary evidence in accordance with ITT 18, that the Services conform to the tendering document; and
 - i Any other document required in the **TDS**.

The Tenderer shall chronologically serialize pages of all tender documents submitted.

- 13.2 In addition to the requirements under ITT 13.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a Form 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.
- 13.3 The Tenderer shall furnish in the Form of Tender information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Tender.

14 Form of Tender and Activity Schedule

- 14.1 The Form of Tender and priced Activity Schedule shall be prepared using the relevant forms furnished in Section IV, Tendering Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITT 22.3. All blank spaces shall be filled in with the information requested.
- 14.2 The Tenderer shall furnish in the Form of Tender information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Tender.

15 Alternative Tenders

- 15.1 Unless otherwise indicated **in the TDS**, alternative Tenders shall not be considered. If alternatives are permitted, only the technical alternatives, if any, of the Best Evaluated Tender shall be considered by the Procuring Entity.
- 15.2 When alternative times for completion are explicitly invited, a statement to that effect will be included **in the TDS** and the method of evaluating different time schedules will be described in Section III, Evaluation and Qualification Criteria.
- 15.3 When specified **in the TDS**, Tenderers are required to submit alternative technical solutions for specified parts of the Services, and such parts will be identified **in the TDS**, as will the method for their evaluating, and described in Section VII, Procuring Entity's Requirements.

16. Tender Prices and Discounts

- 16.1 The prices and discounts (including any price reduction) quoted by the Tenderer in the Form of Tender and in the Activity Schedule (s) shall conform to the requirements specified below.
- 16.2 All lots (contracts) and items must be listed and priced separately in the Activity Schedule(s).
- 16.3 The Contract shall be for the Services, as described in Appendix A to the Contract and in the Specifications (or Terms of Reference), based on the priced Activity Schedule, submitted by the Tenderer.
- 16.4 The Tenderer shall quote any discounts and indicate the methodology for their application in the Form of Tender in accordance with ITT 16.1.
- 16.5 The Tenderer shall fill in rates and prices for all items of the Services described in the Specifications (or Terms of Reference), and listed in the Activity Schedule in Section VII, Procuring Entity's Requirements. Items for which no rate or price is entered by the Tenderer will not be paid for by the Procuring Entity when executed and shall be deemed covered by the other rates and prices in the Activity Schedule.
- 16.6 All duties, taxes, and other levies payable by the Service Provider under the Contract, or for any other cause, as of the date 30 days prior to the deadline for submission of Tenders, shall be included in the total Tender price submitted by the Tenderer.
- 16.7 If provided for **in the TDS**, the rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with and the provisions of Clause 6.6 of the General Conditions of Contract and / or Special Conditions of Contract. The Tenderer shall submit with the Tender all the information required under the Special Conditions of Contract and of the General Conditions of Contract.
- 16.8 For the purpose of determining the remuneration due for additional Services, a breakdown of the lump-sum price shall be provided by the Tenderer in the form of Appendices D and E to the Contract.

17 Currencies of Tender and Payment

- 17.1 The currency of the Tender and the currency of payments shall be Kenya Shillings.

18 Documents Establishing Conformity of Services

- 18.1 To establish the conformity of the Non-Consulting Services to the tendering document, the Tenderer shall furnish as part of its Tender the documentary evidence that Services provided conform to the technical specifications and standards specified in Section VII, Procuring Entity's Requirements.

- 18.2 Standards for provision of the Non-Consulting Services are intended to be descriptive only and not restrictive. The Tenderer may offer other standards of quality 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, Procuring Entity's Requirements.
- 18.3 Tender to provide, as part of the data for qualification, such information, including details of ownership, as shall be required to determine whether, according to the classification established by the Procuring Entity, a Service provider or group of service providers, qualifies for a margin of preference. Further the information will enable the Procuring Entity identify any actual or potential conflict of interest in relation to the procurement and/or contract management processes, or a possibility of collusion between tenderers, and thereby help to prevent any corrupt influence in relation to the procurement processor contract management.
- 18.4 The purpose of the information described in ITT 18.3 above, overrides any claims to confidentiality which a tenderer may have. There can be no circumstances in which it would be justified for a tenderer to keep information relating to its ownership and control confidential where it is tendering to undertake public sector work and receive public sector funds. Thus, confidentiality will not be accepted by the Procuring Entity as a justification for a Tenderer's failure to disclose, or failure to provide required information on its ownership and control.
- 18.4 The Tenderer shall provide further documentary proof, information or authorizations that the Procuring Entity may request in relation to ownership and control which information on any changes to the information which was provided by the tenderer under ITT18.3. The obligations to require this information shall continue for the duration of the procurement process and contract performance and after completion of the contract, if any change to the information previously provided may reveal a conflict of interest in relation to the award or management of the contract.
- 18.6 All information provided by the tenderer pursuant to these requirements must be complete, current and accurate as at the date of provision to the Procuring Entity. In submitting the information required pursuant to these requirements, the Tenderer shall warrant that the information submitted is complete, current and accurate as at the date of submission to the Procuring Entity.
- 18.7 If a tenderer fails to submit the information required by these requirements, its tenderer will be rejected. Similarly, if the Procuring Entity is unable, after taking reasonable steps, to verify to a reasonable degree the information submitted by a tenderer pursuant to these requirements, then the tender will be rejected.
- 18.8 If information submitted by a tenderer pursuant to these requirements, or obtained by the Procuring Entity (whether through its own enquiries, through notification by the public or otherwise), shows any conflict of interest which could materially and improperly benefit the tenderer in relation to the procurement or contract management process, then:
- i) If the procurement process is still on going, the tenderer will be disqualified from the procurement process,
 - ii) if the contract has been awarded to that tenderer, the contract award will be set aside, pending the outcome of (iii),
 - iii) The tenderer will be referred to the relevant law enforcement authorities for investigation of whether the tenderer or any other persons have committed any criminal offence.
- 18.9 If a tenderer submits information pursuant to these requirements that is in complete, inaccurate or out-of-date, or attempts to obstruct the verification process, then the consequences ITT 18.9 will ensue unless the tenderer can show to the reasonable satisfaction of the Procuring Entity that any such act was not material, or was due to genuine err or which was not attributable to the intentional act, negligence or recklessness of the tenderer.

19 Documents Establishing the Eligibility and Qualifications of the Tenderer

- 19.1 To establish Tenderer's their eligibility in accordance with ITT4, Tenderers shall complete the Form of Tender, included in Section IV, Tendering Forms.
- 19.2 The documentary evidence of the Tenderer's qualification stopper form the Contract if its Tender is accepted shall establish to the Procuring Entity's satisfaction that the Tenderer meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.
- 19.3 All Tenderers shall provide in Section IV, Tendering Forms, a preliminary description of the proposed methodology, work plan and schedule.

- 19.4 In the event that pre-qualification of Tenderers has been undertaken, only Tenders from prequalified Tenderers shall be considered for award of Contract. These qualified Tenderers should submit with their Tenders any information updating their original pre-qualification applications or, alternatively, confirm in their Tenders that the originally submitted pre-qualification information remains essentially correct as of the date of Tender submission.
- 19.5 If pre-qualification has not taken place before Tendering, the qualification criteria for the Tenderers are specified- in Section III, Evaluation and Qualification Criteria.

20 Period of Validity of Tenders

- 20.1 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 date (as prescribed by the Procuring Entity in accordance with ITT 24.1). A Tender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.
- 20.2 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 ITT20, 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.

21 Tender Security

- 21.1 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**.
- 21.2 A Tender Securing Declaration shall use the form included in Section IV, Tendering Forms.
- 21.3 If a Tender Security is specified pursuant to ITT 21.1, from a reputable source, and an eligible country and shall be in any of the following forms at the Tenderer's 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 guarantee issued by a financial institution approved and licensed by the Central Bank of Kenya,
- 21.4 If a Tender Security is specified pursuant to ITT 20.1, any Tender not accompanied by a substantially responsive Tender Security shall be rejected by the Procuring Entity as non-responsive.
- 21.5 If a Tender Security is specified pursuant to ITT 21.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer's 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.
- 21.6 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.
- 21.7 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 there to provide by the Tenderer; or
 - b. if the successful Tenderer fails to:
 - c. sign the Contract in accordance with ITT 46; or
 - d. Furnish a performance security in accordance with ITT 47.

- 21.8 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.
- 21.9 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 Form of intent referred to in ITT 4.1 and ITT 13.2.
- 21.10A tenderer shall not issue a tender security to guarantee itself.

22 Format and Signing of Tender

- 22.1 The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 13, bound with the volume containing the Form of Tender, and clearly marked “Original. “In addition, the Tenderer shall submit copies of the Tender, in the number specified **in the TDS**, and clearly marked as “Copies. “In the event of discrepancy between them, the original shall prevail.
- 22.2 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.
- 22.3 The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. 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 initialed by the person signing the Tender.
- 22.4 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 their legally authorized representatives.
- 22.5 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Tender.

D. Submission and Opening of Tenders

23 Sealing and Marking of Tenders

- 23.1 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 ITT13; 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 ITT15, 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.

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.
- 23.2 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.

24 Deadline for Submission of Tenders

- 24.1** 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**.
- 24.2 The Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders by amending the tendering document in accordance with ITT9, 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.

25 Late Tenders

- 25.1 The Procuring Entity shall not consider any Tender that arrives after the dead line for submission of Tenders, in accordance with ITT 24. 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.

26 Withdrawal, Substitution and Modification of Tenders

- 26.1 A Tenderer may withdraw, substitute, or modify its Tender after it has been submitted by sending a written notice, duly signed by a n authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITT 21.3, (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:
- Prepared and submitted in accordance with ITT 21 and ITT 22 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” or “MODIFICATION;” and
 - Received by the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 23.
- 26.2 Tenders requested to be withdrawn in accordance with ITT 25.1 shall be returned unopened to the Tenderers.
- 26.3 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.

27 Tender Opening

- 27.1** Except as in the cases specified in ITT 23 and ITT 25.2, 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 and anyone who choose to attend. Any specific electronic Tender opening procedures required if electronic tendering is permitted in accordance with ITT 23.1 shall be as specified **in the TDS**.
- 27.2 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.
- 27.3 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.
- 27.4 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.
- 27.5 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 or Tender-Securing Declaration, if required; and any other details as the Procuring Entity may consider appropriate.

- 27.6 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further. The Form of Tender and the priced Activity Schedule are to be initialed by representatives of the Procuring Entity attending Tender opening in the manner specified **in the TDS**.
- 27.7 The Procuring Entity shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT25.1).
- 27.8 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; and
 - 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
- 27.9 The Tenderers' representatives who are present shall be requested to sign the record. The omission of a Tenderer's signature on the record shall not invalidate the contents and effect of the record. A copy of the tender opening register shall be distributed to Tenderer upon request.

E. Evaluation and Comparison of Tenders

28 Confidentiality

- 28.1 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 information on the Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 42.
- 28.2 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.
- 28.3 Notwithstanding ITT 28.2, 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.

29 Clarification of Tenders

- 29.1 To assist in the examination, evaluation, and comparison of Tenders, and qualification of the Tenderers, the Procuring Entity may, at the Procuring Entity's discretion, ask any tenderer for clarification of its Tender including break downs of the prices in the Activity Schedule, and other information that the Procuring Entity may require. 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 ITT32.
- 29.2 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.

30 Deviations, Reservations, and Omissions

- 30.1 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.

31 Determination of Responsiveness

- 31.1 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the Tender itself, as defined in ITT 12.
- 31.2 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 Non-Consulting 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's obligations under the Contract; or
 - b) if rectified, would unfairly affect the competitive position of other Tenderers presenting substantially responsive Tenders.
- 31.3 The Procuring Entity shall examine the technical aspects of the Tender submitted in accordance with ITT 18 and ITT 19, in particular, to confirm that all requirements of Section VII, Procuring Entity's Requirements have been met without any material deviation or reservation, or omission.
- 31.4 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.
- 31.5 Provided that a Tender is substantially responsive, the Procuring Entity may waive any non-conformity in the Tender.
- 31.6 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 non-material non-conformities or omissions in the Tender related to documentation requirements. Requesting information or documentation on such non-conformities 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.
- 31.7 Provided that a Tender is substantially responsive, the Procuring Entity shall rectify quantifiable non-material 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.**

32 Arithmetical Errors

- 32.1 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.
- 32.2 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
- 32.3 Tenderers shall be notified of any error detected in their bid during the notification of a ward.

33 Conversion to Single Currency

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

34 Margin of Preference and Reservations

- 34.1** Margin of preference on local service providers may be allowed if it is deemed that the services require participation of foreign tenderers. If so allowed, it will be indicated in the **TDS**.
- 34.2** Where it is intended to reserve the contract to specific groups under Small and Medium Enterprises, or enterprise of women, youth and /or persons living with disability, 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/firms belonging to the specified group are eligible to tender as specified in the **TDS**. Otherwise, if not so stated, the invitation will be open to all tenderers.

35 Evaluation of Tenders

- 35.1** 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 Best 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 tendering document; and
 - b) The lowest evaluated cost.
- 35.2** In evaluating the Tenders, the Procuring Entity will determine for each Tender the evaluated Tender cost by adjusting the Tender price as follows:
- a) Price adjustment due to discounts offered in accordance with ITT 16.4;
 - b) price adjustment due to quantifiable non material non-conformities in accordance with ITT 31.3;
 - c) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 33; and
 - d) any additional evaluation factors specified **in the TDS** and Section III, Evaluation and Qualification Criteria.
- 35.3** 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.
- 35.4** In the case of multiple contracts or lots, Tenderers are allowed to tender for one or more lots and the methodology to determine the lowest evaluated cost of the lot (contract) and for combinations, including any discounts offered in the Form of Tender, is specified in Section III, Evaluation and Qualification Criteria. For one or more lots (contracts). Each lot or contract will be evaluated in accordance with ITT
- 35.5.** 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.

36 Comparison of Tenders

- 36.1** The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 35.2 to determine the Tender that has the lowest evaluated cost.

37 Abnormally Low Tenders and Abnormally High

Tenders Abnormally Low Tenders

- 37.1** An Abnormally Low Tender is one where the Tender price, in combination with other elements of the Tender, appears so low that it raises material concerns as to the capability of the Tenderer in regards to the Tenderer's ability to perform the Contract for the offered Tender Price.
- 37.2** In the event of identification of a potentially Abnormally Low Tender, the Procuring Entity shall seek written clarifications from the Tenderer, including detailed price analyses of its Tender price in relation to the subject

matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the Tender document.

- 37.3 After evaluation of the price analyses, 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.

Abnormally High Tenders

- 37.4 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.
- 37.5 In case of an abnormally high 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.
- 37.6 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 competent Government Agencies to institute an investigation on the cause of the compromise, before retendering.

38 Unbalanced and/or Front-Loaded Tenders

- 38.1 If in the Procuring Entity's opinion, the Tender that is evaluated as the lowest evaluated price is seriously unbalanced and/or front loaded, the Procuring Entity may require the Tenderer to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the tender prices with the scope of works, proposed methodology, schedule and any other requirements of the Tender document.
- 38.2 After the evaluation of the information and detailed price analyses presented by the Tenderer, the Procuring Entity may as appropriate:
- a) Accept the Tender; or
 - b) require that the total amount of the Performance Security be increased at the expense of the Tenderer to a level not exceeding 10% of the Contract Price; or
 - c) agree on a payment mode that eliminates the inherent risk of the Procuring Entity paying too much for undelivered works; or
 - d) Reject the Tender.

39 Qualification of the Tenderer

- 39.1 The Procuring Entity shall determine to its satisfaction whether the Tenderer that is selected as having submitted the lowest evaluated cost and substantially responsive Tender is eligible and meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.
- 39.2 The determination shall be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT 18. The determination shall not take into consideration the qualifications of other firms such as the Tenderer's subsidiaries, parent entities, affiliates, subcontractors or any other firm(s) different from the Tenderer that submitted the Tender.

39.3 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's qualifications to perform satisfactorily.

40 Procuring Entity's Right to Accept Any Tender, and to Reject Any or All Tenders

40.1 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 Contract Award, without there by incurring any liability to Tenderers. In case of annulment, all Tenders submitted and specifically, Tender securities, shall be promptly returned to the Tenderers.

F. Award of Contract

43 Award Criteria

43.1 The Procuring Entity shall award the Contract to the successful tenderer whose tender has been determined to be the Lowest Evaluated Tender.

42 Notice of Intention to enter in to a Contract

42.1 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 a ward 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 Stand still Period; and
- e) instructions on how to request a debriefing and/or submit a complaint during the stand still period;

43 Stand still Period

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

43.2 Where a Standstill Period applies, it shall commence when the Procuring Entity has transmitted to each Tenderer the Notification of Intention to Enter in to a Contract with the successful Tenderer.

44 Debriefing by the Procuring Entity

44.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 42, 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 with in five days of receipt of the request.

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

45 Letter of Award

Prior to the expiry of the Tender Validity Period and upon expiry of the Standstill Period specified in ITT 43.1, 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.

46 Signing of Contract

- 46.1 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.
- 46.2 Within fourteen (14) days of receipt of the Contract Agreement, the successful Tenderer shall sign, date, and return it to the Procuring Entity.
- 46.3 The written contract shall be entered into within the period specified in the notification of award and before expiry of the tender validity period

47 Performance Security

- 47.1 Within twenty-one (21) days of the receipt of the Form of Acceptance from the Procuring Entity, the successful Tenderer, if required, shall furnish the Performance Security in accordance with the GCC 3.9, using for that purpose the Performance Security Form included in Section X, Contract Forms, or another Form acceptable to the Procuring Entity. 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.
- 47.2 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 Best Evaluated Tender.

48 Publication of Procurement Contract

- 48.1 Within fourteen days after signing the contract, the Procuring Entity shall publish the awarded contract at its notice boards and websites; and on the Website of 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.

49 Adjudicator

- 49.1 The Procuring Entity proposes the person named **in the TDS** to be appointed as adjudicator or under the Contract, at an hourly fee specified in **the TDS**, plus reimbursable expenses. If the Tenderer disagrees with this Tender, the Tenderer should so state in the Tender. If, in the Form of Acceptance, the Procuring Entity has not agreed on the appointment of the Adjudicator, the Adjudicator shall be appointed by the Appointing Authority designated in the Special Conditions of Contract at the request of either party.

50 Procurement Related Complaint

- 50.1 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.

ITT Reference	A. General
ITT 1.1	<p>The reference number of the Invitation for Tenders is: TENDER NUMBER: SDPW/SB/027/2022-2024</p> <p>The Procuring Entity is: MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT, STATE DEPARTMENT OF PUBLIC WORKS – SUPPLIES BRANCH DEPARTMENT</p> <p>The name of the Contract is: SUPPLY AND DELIVERY OF DOZERS, EXCAVATORS, GRADERS, LOADERS AND ROLLERS ON AS AND WHEN REQUIRED BASIS, FOR TWO YEARS</p> <p>The number and identification of lots (contracts) comprising this Invitation for Tenders is: N/A</p>
ITT 2.3	<p>The Information made available on competing firms is as follows: N/A</p>
ITT 2.4	<p>The firms that provided consulting services for the contract being tendered for are: N/A</p>
ITT 3.1	<p>Maximum number of members in the Joint Venture (JV) shall be: N/A</p>
ITT3.7	<p>A list of debarred firms and individuals is available on the PPRA's website: www.ppra.go.ke</p>
ITT 3.11	<p>Tenderers shall be required to be to be registered with N/A</p>
	B. Contents of Tendering Document
ITT 6.1	<p>(a) Address where to send enquiries is: Email: info@suppliesbranch.go.ke</p> <p>Addressed to: The Head of Supplies Branch, Supplies Branch, Likoni Road, Industrial Area, P. O. Box 30743-00100, Nairobi</p> <p>to reach the Procuring Entity not later than within 3 days before submission.</p> <p>(b) The Procuring Entity publish its response at the website www.suppliesbranch.go.ke</p>
	C. Preparation of Tenders
ITT 13.5	<p>The prices quoted by the Tenderer shall not be subject to adjustment during the performance of the Contract.</p>
ITT 13.8 (a) (i) and (iii)	<p>Place of final destination: Point of use or as advised by End User Procuring Entity</p>

ITT 13.8 (a) (iii)	Final Destination (Project Site): Point of use or as advised by End User Procuring Entity
ITT 13.8 (b) (i)	Named place of destination, in Kenya is Point of use or as advised by End User Procuring Entity
13.8 (c) (iv)	The place of final destination is Point of use or as advised by Procuring Entity
ITT 14.2	Foreign currency requirements not allowed .
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: Not Required
ITT 16.2 (b)	After sales service is: Not Required
ITT 17.1	The Tender validity period shall be 180 days.
ITT 18.1	A <i>Tender Security</i> Shall be required. Tender Security shall be required and the amount and currency of the Tender Security shall be Kshs. 1,000,000.00
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: POWER OF ATTORNEY [<i>insert the name and description of the documentation required to demonstrate the authority of the signatory to sign the Tender</i>].
	D. Submission and Opening of Tenders
ITT 20.3	A tender document that cannot fit in the tender box shall be received as follows: Physically and recorded in a register in the office of the Head of Supply Chain Management Services on 2nd Floor, Rm No. 205.

ITT 21.1	<p>For <u>Tender submission purposes</u> only, the Procuring Entity's address is:</p> <p>Attention: The Head of Supplies Branch, Postal Address: P. O. Box 30743-00100, Nairobi, Kenya Physical Address: Supplies Branch, Likoni Road, Industrial Area Telephone: +254 (0) 20 2140020/ +254 (0) 20 2150020 Electronic mail address: info@suppliesbranch.go.ke</p> <p>The deadline for Tender submission is: Date: 10th March, 2023 Time: 10:00 a.m.</p> <p>tenderers Shall not have the option of submitting their Tenders electronically.</p>
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ITT 24.1	<p>The Tender opening shall take place at:</p> <p>Attention: The Head of Supplies Branch, Supplies Branch, Likoni Road, Industrial Area</p> <p>Postal Address: P. O. Box 30743-00100, Nairobi, Kenya</p> <p>Physical Address: Supplies Branch, Likoni Road, Industrial Area.</p> <p>Date: <i>10th March, 2023</i></p> <p>Time: <i>10:00 a.m.</i></p>
ITT 24.6	<p>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.</p>
<p>E. Evaluation and Comparison of Tenders</p>	
ITT 33.1	<p>The Procuring Entity shall recommend more than one bid as per the provisions of Section 20 and 32 of the Public Procurement Amendment Act, 2022.</p>
ITT 32.3	<p>A margin of preference and/or reservation "<i>shall not</i>" apply.</p>
ITT 32.5	<p>The invitation to tender is extended to the following group that qualify for Reservations N/A</p>
ITT 33.2	<p>Price evaluation will be done for; Items quoted for - Supply and Delivery of Dozers, Excavators, Graders, Loaders and Rollers on As and When Required, for Two Years</p>
ITT 33.2 (d)	<p>Additional evaluation factors are See Evaluation Criteria</p>
ITT 33.6	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: N/A</p> <p>(a) Deviation in Delivery schedule: <i>No.</i></p> <p>(b) Deviation in payment schedule: <i>No.</i></p> <p>(c) the cost of major replacement component, mandatory spare parts, and service: N/A</p> <p>(d) the availability in Kenya of spare parts and after-sales services for the equipment offered in the Tender N/A</p> <p>(e) Life cycle costs: the costs during the life of the goods or equipment N/A</p> <p>(f) the performance and productivity of the equipment offered; <i>N/A</i></p>
<p>F. Award of Contract</p>	
ITT 46.3	<p>Performance security if so required shall be in the sum of N/A</p>

ITT 47

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 www.ppra.go.ke.

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:

For the attention: **The Head of Supplies Branch,**

Title/position: **The Head of Supplies Branch**

Procuring Entity: **Supplies Branch**

Likoni Road, Industrial Area

P. O. Box 30743-00100, Nairobi, Kenya Email

address: info@suppliesbranch.go.ke

In summary, a Procurement-related Complaint may challenge any of the following:

1. the terms of the Tendering Documents; and
2. the Procuring Entity's decision to award the contract.

SECTION III – EVALUATION AND QUALIFICATION CRITERIA

1. General Provision

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.

1.2 This section contains the criteria that the 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)

2.1 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.

2.2 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.

MANDATORY EVALUATION CRITERIA	
	The following under- listed documents MUST be submitted in the following order: <ol style="list-style-type: none">1. Certificate of Incorporation or Registration.2. CR 12 where applicable produced in the last 6 months.3. Power of Attorney of individual authorized to sign documents on behalf of directors. <i>(Not Applicable to a Sole Proprietor firm)</i>4. Valid Tax Compliance Certificate.5. Valid Single Business Permit.6. Duly filled, signed and stamped Confidential Business Questionnaire Form - to establish that the bidder is not in any conflict of interest.7. Duly filled, signed and stamped Form of Tender.

	<ol style="list-style-type: none"> 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. 9. Duly filled, signed and stamped SD 1 and SD 2 forms (attached). 10. Duly filled, signed and stamped - Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal. 11. Fill, Signed and Stamped Beneficial disclosure form 12. Original bid bond of Kshs.1,000,000 from a reputable bank or a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority addressed to the Head/Supplies Branch and to remain in force for a period of <u>Two Hundred and Ten (210) days</u> from the closing date of the tender. 13. Detailed Company profile. 14. 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. 15. Submit audited accounts for last 2years to demonstrate the current soundness of the bidder’s financial position and its prospective long-term profitability. 16. Submission of detailed bank account information including a reference letter from your bank indicating the lines of credit that can be extended to the bidder including bank overdrafts facilities. 17. Original Manufacturers’ Brochures containing technical data must accompany all products quoted. Web site down load will not be acceptable unless they are original manufacturer’s PDF format 18. Tenderers shall be required to provide a Manufacturer’s Authorization / Prove of Dealership (dealership authorization letter/certificate). 19. All pages of both original and copy of the tender documents submitted MUST be sequentially serialized by the tenderers. <p>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.</p>
	<p>TECHNICAL EVALUATION CRITERIA (See Specifications below)</p>
	<p>FINANCIAL EVALUATION CRITERIA</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 section 141 of the Procurement Act 2015.</p>

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:

2.2.1 *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.

3. MARGIN OF PREFERENCE

3.1 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 semiprocessed in Kenya. Goods assembled or semi-processed in Kenya shall have a local content of not less than 40%.

3.2 The margin of preference will be applied in accordance with, and subject to, the following provisions:

- a) 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.
- b) 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:
 - i) **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; ii) **Group B:** All other Tenders offering Goods manufactured in Kenya;
 - iii) **Group C:** Tenders offering Goods manufactured outside Kenya that have been already imported or that will be imported.
- c) 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.
- d) 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.
- e) 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.
- f) 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.”

4. Post Qualification of Tenderers (ITT 37)

a) 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.

4.2 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].

4.3 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 _____ (*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: Goods Manufactured In Kenya,
- Form of Tender Security – Demand Guarantee
- Form of Tender Security (Tender Bond)
- Form of Tender-Securing Declaration
- Manufacturer's Authorization Form

SECTION IV - TENDERING FORMS

1 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.*
- iv) *The Form of Tenders shall include the following Forms duly completed and signed by the Tenderer.*
 - a) *Tenderer's Eligibility-Confidential Business Questionnaire*
 - b) *Certificate of Independent Tender Determination*
 - c) *Self-Declaration of the Tenderer*

Date of this Tender submission: _____ [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 f or an alternative] To: _____ [insert complete name of Procuring Entity]

- a) **No reservations:** We have examined and have no reservations to the tendering document, including Addenda issued in accordance with ITT9;
- b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITT4;
- c) **Tender-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 ITT21;
- d) **Conformity:** We offer to provide the Non-Consulting Services in conformity with the tendering document of the following: [insert a brief description of the Non-Consulting Services];
- e) **Tender Price:** The total price of our Tender, excluding any discounts offered in item(f) below is: [Insert one of the options below as appropriate]

Option 1, in case of one lot: Total price is: [insert the total price of the Tender in words and figures, indicating the various amounts and the respective currencies];

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];

- f) **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 is shown below: [Specify in detail the method that shall be used to apply the discounts];
- g) **Tender Validity Period:** Our Tender shall be valid for the period specified in TDS 19.1 (as amended if applicable) from the date fixed for the Tender submission deadline (specified in TDS 23.1 (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 ITT4.3, other than alternative Tenders submitted in accordance with ITT14;
- 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 PPRA. Further, we are not ineligible under Kenya's 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 4.6];*
- g) **Commissions, gratuities and 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, r gratuity].*

Name of Recipient	Address	Reason	Amount

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

- a) *[Delete if not appropriate, or amend to suit]* We confirm that we understand the provisions relating to Standstill Period as described in this tendering document and the Procurement Regulations.
- l) **Binding Contract:** We understand that this Tender, together with your written acceptance thereof included in your Form of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- m) **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) **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.
- q) **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.
- r) We, the Tenderer, have completed fully and signed the following Forms as part of our Tender:
 - i) Tenderer's Eligibility; Confidential Business Questionnaire—to establish we are not in any conflict to interest.
 - ii) Certificate of Independent Tender Determination—to declare that we completed the tender without colluding with other tenderers.
 - iii) Self-Declaration of the Tenderer—to declare that we will, if awarded a contract, not engage in any form of fraud and corruption.

- iv) 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 person signing the Tender]*

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

i) TENDERER'S ELIGIBILITY - CONFIDENTIAL BUSINESS QUESTIONNAIRE

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	Reference Number of the Tender	
3	Date and Time of Tender Opening	
4	Name of the Tenderer	
5	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.
6	Current Trade License Registration Number and Expiring date	
7	Name, country and full address (<i>postal and physical addresses, email, and telephone number</i>) of Registering Body/Agency	
8	Description of Nature of Business	
9	Maximum value of business which the Tenderer handles.	
10	State if Tenders Company is listed in stock exchange, give name and full address (<i>postal and physical addresses, email, and telephone number</i>) of state which stock exchange	

General and Specific Details

b) **Sole Proprietor**, provide the following details.

Name in full _____ Age _____

Nationality _____ Country of Origin _____

Citizenship _____

© **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/have 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		

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with 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 complete, current and accurate as at the date of submission.

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) or arrangement.

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)
1.	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					

	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)
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					
3.						
e.t.c						

II) 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

III) 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.

Price Schedule Forms

[The tenderer shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Procuring Entity in the Schedule of Requirements.]

PRICE SCHEDULE FOR GOODS:

Name of tenderer _____

Tender Number _____

Page __ of __

ITEM NO.	ITEM DESCRIPTION	UNIT OF ISSUE	QTY	DUTY FREE UNIT PRICE (KSHS.)	DUTY PAID UNIT PRICE (KSHS.)
1.	Special Duty Crawler Tractor With A Ripper, 310-350HP	NO.	As and When Required (AWR)		
2.	Medium Tracked Dozer With Ripper, 210-240 HP	NO.	(AWR)		
3.	Medium Tracked Dozer With Ripper, 170-200 HP	NO.	(AWR)		
4.	Medium Tracked Dozer With Ripper, 140-160 HP	NO.	(AWR)		
5.	Crawler Excavator With Breaker Set, 170-210HP. Heavy Duty	NO.	(AWR)		
6.	Crawler Excavator With Breaker Set, . 220-260 HP. Heavy Duty	NO.	(AWR)		
7.	Special Duty Crawler Excavator With Demolition Set, 22m Height Capacity	NO.	(AWR)		
8.	Crawler Excavator With Breaker Set, 140-160HP. Medium Duty	NO.	(AWR)		
9.	Crawler Excavator, 140-160hp. With Inbuilt Fleet Management System	NO.	(AWR)		
10.	Motor Grader, 180-200HP	NO.	(AWR)		
11.	Motor Grader, 155-175HP	NO.	(AWR)		
12.	Motor Grader, 205-230HP	NO.	(AWR)		
13.	Wheeled Backhoe Loader, Medium Duty	NO.	(AWR)		
14.	Wheel Loader, 2.4 – 2.8m ³ , 140-175HP	NO.	(AWR)		
15.	Wheel Loader, 3.0 – 5.0m ³ , 215-240HP	NO.	(AWR)		
16.	Wheel Loader, Medium Duty, 1.2 – 1.7m ³	NO.	(AWR)		
17.	Drum Roller, Vibratory, Self Propelled, 10 TON	NO.	(AWR)		
18.	Pneumatic Tyred Roller, 10 TON	NO.	(AWR)		
19.	Drum Roller, Vibratory, Self Propelled, 20 TON	NO.	(AWR)		
20.	Drum Roller, Vibratory, Self Propelled, 12 TON	NO.	(AWR)		
21.	Smooth Drum Roller With Padfoot (Sheep Foot) Attachment/Shell, Vibratory, Self Propelled, 10 TON	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]*¹*[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)

(Printed name and title)

(Signature)

(Printed name and title)

¹ 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 2: SUPPLY
REQUIREMENTS**

Section V - Schedule of Requirements

Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the Tendering document by the Procuring Entity, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable tenderers to prepare their Tenders efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITT 42.1.

The date or period for delivery should be carefully specified, taking into account (a) the implications of delivery terms stipulated in the Instructions to tenderers pursuant to the *Incoterms* rules that “delivery” takes place when goods are delivered **to the final place of delivery**, and (b) the date prescribed herein from which the Procuring Entity's delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

1. Technical Specifications

1.1 The purpose of the Technical Specifications (TS), is to define the technical characteristics of the Goods and Related Services required by the Procuring Entity. The Procuring Entity shall prepare the detailed TS consider that:

- i) The TS constitute the benchmarks against which the Procuring Entity will verify the technical responsiveness of Tenders and subsequently evaluate the Tenders. Therefore, well-defined TS will facilitate preparation of responsive Tenders by tenderers, as well as examination, evaluation, and comparison of the Tenders by the Procuring Entity.
- ii) The TS shall require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided for otherwise in the contract.
- iii) The TS shall make use of best practices. Samples of specifications from successful similar procurements in the same country or sector may provide a sound basis for drafting the TS.
- iv) The PPRA encourages the use of metric units.
- v) Standardizing technical specifications may be advantageous, depending on the complexity of the goods and the repetitiveness of the type of procurement. Technical Specifications should be broad enough to avoid restrictions on workmanship, materials, and equipment commonly used in manufacturing similar kinds of goods.
- vi) Standards for equipment, materials, and workmanship specified in the Tendering document shall not be restrictive. Recognized international standards should be specified as much as possible. Reference to brand names, catalogue numbers, or other details that limit any materials or items to a specific manufacturer should be avoided as far as possible. Where unavoidable, such item description should always be followed by the words “or substantially equivalent.” When other particular standards or codes of practice are referred to in the TS, whether from the Procuring Entity's or from other eligible countries, a statement should follow other authoritative standards that ensure at least a substantially equal quality, then the standards mentioned in the TS will also be acceptable.
- vii) Reference to brand names and catalogue numbers should be avoided as far as possible; where unavoidable the words “or at least equivalent” shall always follow such references.
- viii) Technical Specifications shall be fully descriptive of the requirements in respect of, but not limited to, the following:

- a) Standards of materials and workmanship required for the production and manufacturing of the Goods.
 - b) Any sustainable procurement technical requirements shall be clearly specified.
- 1.2 To encourage tenderers' innovation in addressing sustainable procurement requirements, as long as the Tender evaluation criteria specify the mechanism for monetary adjustments for the purpose of Tender comparisons, tenderers may be invited to offer Goods that exceeds the specified minimum sustainable procurement requirements.
- i) Detailed tests required (type and number).
 - ii) Other additional work and/or Related Services required to achieve full delivery/completion.
 - iii) Detailed activities to be performed by the Supplier, and participation of the Procuring Entity thereon.
 - iv) List of detailed functional guarantees covered by the Warranty and the specification of the liquidated damages to be applied in the event that such guarantees are not met.
- 1.3 The TS shall specify all essential technical and performance characteristics and requirements, including guaranteed or acceptable maximum or minimum values, as appropriate. Whenever necessary, the Procuring Entity shall include an additional ad-hoc Tendering form (to be an Attachment to the Letter of Tender), where the tenderer shall provide detailed information on such technical performance characteristics in respect to the corresponding acceptable or guaranteed values.
- 1.4 When the Procuring Entity requests that the tenderer provides in its Tender a part or all of the Technical Specifications, technical schedules, or other technical information, the Procuring Entity shall specify in detail the nature and extent of the required information and the manner in which it has to be presented by the tenderer in its Tender.
- 1.5 If a summary of the Technical Specifications(TS) has to be provided, the Procuring Entity shall insert information in the table below. The tenderer shall prepare a similar table to justify compliance with the requirements.
- Summary of Technical Specifications:** The Goods and Related Services shall comply with following Technical Specifications and Standards:

Item No	Name of Goods or Related Service	Technical Specifications and Standards
[insert item No]	[insert name]	[insert TS and Standards]

Detailed Technical Specifications and Standards

TECHNICAL SPECIFICATIONS PARTICULARS

❖ DOZERS

1. SPECIAL DUTY CRAWLER TRACTOR WITH A RIPPER, 310-350HP

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
Manufacturer's Literature , authority and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)

1. GENERAL

a) A Standard production, diesel powered, crawler tractor of latest design in class, robust construction, 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) Any item 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 AND WEIGHTS

a) Overall length, (exclusive of the ripper length), approx.	7200mm	..... mm
b) Overall width (blade width),	4,000mm	..... mm

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
approx.		
c) Overall height, approx.	3,400mm	..... mm
d) Basic operating weight, approx.	38.0Ton.	..... Ton.
e) Blade width, approx.	3,900mm	-----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 Stroke.	Yes, Yes. Yes	.....(Y/N)
f) Mode of aspiration, Turbocharged.	Yes(Mandatory)	.....(Y/N)
g) Piston displacement, approx.	Specify	..... cc
h) Number of cylinders.	specify	..... no.
l) Flywheel horsepower (HP/rpm) range, rpm, approx	310-350HP	..... HP
	2000 rpm	.....rpm
j) Maximum torque developed NM/ min. rpm, approx	1200Nm	..... Nm
	1300rpm	..... rpm
k) Air filter, Dry /Oil bath.	Specify	.....
l Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
o) Fuel tank capacity,	600Lt Lt

4. TRANSMISSION.

a) Transmission Type:	Power shift. (Mandatory)(Y/N)
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5. FRAME

a) Tough and durable hull type of structure.	Yes.(Y/N)
b) Rigid frame.	Yes.(Y/N)

6. UNDER CARRIAGE.

a) Oscillating Roller/Idler frame attached to the tractor by means of a pivot shaft and fully pinned stabilizer bar.	Yes	.....(Y/N)
b) Frame made of hardened material, wear resistant and able to resist torsional loads.	Yes	.....(Y/N)
c) No. of Track rollers on each side approx.	7 No.	.....No
d) Length of track on ground .	3000mm	.....mm
e) No. of shoes per side approx.	41- 44 No.	.....No

7. STEERING SYSTEM

a) Hydraulic/Hydrostatic power steering.	Yes	.....(Y/N)
b) Turning radius,	2,000mm	.....mm

8. BRAKES.

a) Pneumatically/Hydraulically/Hydrostatically actuated brakes.	Specify	
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
---------------	-------------	------------------

9. BLADE .

a) Hydraulically operated blade (lifting, tilting, angling etc.)	Yes Piece length- 1500mm	.....(Y/N -----mm
b) Lift above ground, approx.	1250mm	..... mm
c) Drop below ground, (blade digging depth) approx.	550mm	..... mm
d) Blade capacity, approximately	10m ³	-----m ³

10. CAB.

a) Totally enclosed cab fitted with lockable doors and safety- glass all round -360 degree visibility	Yes(Mandatory)	.....(Y/N)
b) Roll Over Protection (ROP) Structure provided	Yes(Mandatory)	.....(Y/N)

11. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes	.....(Y/N)
b) Alternator charging.	Yes	.....(Y/N)
c) Battery capacity, approx.	specify	..... AH
d) Standard instruments and gauges:		
i) Hourmeter	Yes	.....(Y/N)
ii) Servicemeter	Yes	.....(Y/N)
iii) Engine oil pressure gauge.	Yes	.....(Y/N)
iv) Water temperature gauge.	Yes	.....(Y/N)
v) Panel lamps.	Yes	.....(Y/N)
vi) Battery charge lamp.	Yes	.....(Y/N)
vii) Fuel gauge.	Yes	.....(Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
viii) Two head and rear lights.	Yes	.....(Y/N)
ix) Stop & turning signal lights.	Yes	.....(Y/N)
x) Revolving flasher mounted on top of cab.	Yes	.....(Y/N)

12. EQUIPMENT AND ACCESSORIES.

a) Manufacturer's complete tools, kit supplied.	Yes	.....(Y/N)
b) Comprehensive list of standard and specialized tools to be supplied with the grader to be attached.	Yes (Mandatory)	.....(Y/N)
c) Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)
d) Ripper attached	Yes(Mandatory)	.....(Y/N)
Digging depth, approx	500mm	.....mm
Lift above ground, approx	850mm	.....mm
Weight, approx.	3,500kg	.....kg

13. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours

14. MANUALS

a) All literature in English language	Yes(Y/N)
---------------------------------------	-----	------------

SPECIFICATION		REQUIREMENT	TENDERER'S OFFER
b)	Operator's, warranty and service Manual, supplied.	1 per machine (Mandatory)	.....(Y/N)
c)	Shop Manual/CD, supplied.	1 per machine (Mandatory)	.....(Y/N)
d)	Parts catalogue /CD, supplied.	1 per machine (Mandatory)	.....(Y/N)

15 OTHER REQUIREMENT

a)	Dozer to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	.....(Y/N)
b)	Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	.....(Y/N)
c)	Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	.....(Y/N) -----
d)	Availability of spares.	Indicate motor dealers who stock 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)	Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	.....(Y/N)
g)	Adequate training on repairs especially on new	Yes	.....(Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
models with new technology provided by experts from the manufacturer at suppliers cost.	(Mandatory)	
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____ (Y/N)

16. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter – 10No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
vii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N
viii) Fan belt set – 3No.	Yes (Mandatory)	.....Y/N
ix) Ripper cylinder seals kit -2sets.	Yes(Mandatory)	.....Y/N
x) Greasing gun heavy duty-1No.	Yes (Mandatory)	.....Y/N
xi) Bucket tips – 3 sets	Yes (Mandatory)	.....Y/N
xii) lift cylinder seal kit– 2 sets	Yes (Mandatory)	.....Y/N

<u>TENDERER' S REMARKS</u>

2. MEDIUM TRACKED DOZER WITH RIPPER, 210-240 HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S LITERATURE/SPECIFICATIONS, AUTHORITY AND PERFORMANCE HANDBOOK SUPPLIED	Yes, mandatory	.....(Y/N)

1. GENERAL

a)	A standard production medium sized construction type dozer with ripper attachment	Yes	.....(Y/N)
b)	Supplied new.	Yes	.....(Y/N)
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)
b)	Dozer with ripper attachment	Yes	.....(Y/N)
c)	Basic operating weight with ripper attachment, min	22,000-24,000 Kg	.....Kg

2 WEIGHTS AND DIMENSIONS

a)	Total length with blade and ripper, approx.	6,500-7,000mm	----- mm
b)	Total width with blade, approx.	3,000-4,000mm	-----mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION		REQUIREMENT	TENDERER'S
c)	Total height with ROPS, approx.	3,200-3,500mm	.....(Y/N)
d)	Ground clearance, min.	380mm	-----mm
e)	Drawbar height, approx.	550mm	.....mm
f)	Basic operating weight including lubricants, coolant, full fuel tank, hydraulic control, bulldozer and ROPS canopy, approx.	22,000-25,000Kg	.....Kg

3 ENGINE

a)	Water cooled diesel with electric start	Yes	-----Y/N
b)	Mode of aspiration, Turbocharged & after cooled.	Yes Turbo mandatory	.....(Y/N)
c)	Maximum power output, (Hp/rpm) range.	210- 240Hp/1900rpm	-----Hp/rpm
d)	Maximum torque developed, (Nm/rpm) min.	900NM	-----Nm/rpm
e)	Engine displacement, range	Specify	-----cc
f)	No. of cylinders	6	-----No.
e)	Exhaust muffler and rain cap	Yes	-----Y/N
f)	Fuel tank capacity , approx.	400l	-----l

4. TRANSMISSION.

a)	Full power shift with torque convertor	Yes	-----Y/N
b)	Minimum 3 forward and 3 reverse speeds	Yes	-----Y/N
c)	Pressurised lubrication	Yes	-----Y/N

5. STEERING

a)	Power assisted, multi-disc , oil cooled clutches	Yes	----- (Y/N)
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6.

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
UNDERCARRIAGE (TRACK ROLLER FRAME UNIT)		
a) Oscillating type box girder construction	Yes	-----Y/N
b) Minimum six track rollers and two carrier rollers	Yes	-----Y/N
c) Rollers sealed and life lubricated	Yes	-----Y/N
d) Track shoe width, min	500mm	----- mm
e) Sealed type pins and bushings	Yes	-----Y/N
f) Hydraulic type, tensioner.	Yes	-----Y/N

7. ELECTRICAL SYSTEM

a) Manufacturers standard 24V starting system	Yes	----- (Y/N)
---	-----	----------------

8. DOZER BLADE AND RIPPER.

a) Angle dozer with bolted on cutting edge and end bit.	Yes	----- (Y/N)
i) Capacity, approx	4-8m ³	----- m ³
ii) Overall width, approx.	3,500-4,500mm	----- mm
iii) Height, approx.	1,000mm	----- mm
iv) Digging depth, approx.	500mm	----- mm
v) Ground clearance, approx.	1,000mm	----- mm
vi) Maximum tilt, approx.	500mm	----- mm
b) Hydraulic hoisting with lift, lower and hold positions.	Yes	------(Y/N)
c) Hydraulic operated ripper with 3 tines	Yes	------(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
and parallel linkage		
i) beam width	2000 mm	----- mm
ii) Maximum penetration	500mm	----- mm
iii) maximum clearance raised	500 mm	----- mm

9. OPERATORS CAB.

a) Vibration-insulation mounted, enclosed canopy with ROPS and with clear working view.	Yes, mandatory	------(Y/N)
b) Complete instrumentation including engine and hydraulic oil pressure gauges.	Yes	------(Y/N)

10. EQUIPMENT AND ACCESSORIES.

a) Radiator and upper engine guards	Yes	------(Y/N)
b) Service tools in mounted kit	Yes	------(Y/N)
c) Engine hour meter –tamper proof , with memory and data retrievable	Yes	------(Y/N)
d) Air conditioning system	Yes (Mandatory)	.....(Y/N)
e) FM radio with CD player	Yes (Mandatory)	.....(Y/N)
f) Optional equipment	Specify	

11. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours
c) Specimen of Dozer warranty to be submitted while Tendering.	Yes)	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
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12. MANUALS

a) All literature in English language	Yes(Y/N)
b) Operator's , service and warranty Manual, supplied.	1 per Dozer	_____(Y/N)
c) Shop Manual/CD supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)
d) Parts catalogue /CD, supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)

13 OTHER REQUIREMENT

a) Dozer to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)
b) Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
g) Adequate training on repairs especially on new models with new technology provided by experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
vii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N
viii) Fan belt set – 5No.	Yes (Mandatory)	.....Y/N
ix) Ripper cylinder seal kit – 2 sets	Yes(Mandatory)	.....Y/N
x) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N
xi) lift cylinder seal kit– 2 sets	Yes (Mandatory)	.....Y/N
xii) Hydraulic pump service kit – 2 sets	Yes (Mandatory)	.....Y/N
xiii) Final Drive seal kit – 2 sets	Yes(Mandatory)	.....Y/N
xiv) Cutting edge set-3No	Yes (Mandatory)	.....Y/N

<p>xv). Ripper tips set -3No.</p> <p>xvi)End bits set-3No.</p> <p>xvii) Diesel Filter secondary – 10No</p>	<p>Yes (Mandatory)</p> <p>Yes (Mandatory)</p> <p>Yes (Mandatory)</p>	<p>.....Y/N</p> <p>.....Y/N</p> <p>.....Y/N</p>
<p><u>TENDERER'S REMARKS</u></p>		

3. MEDIUM TRACKED DOZER WITH RIPPER, 170-200 HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S AUTHORITY, LITERATURE/SPECIFICATIONS AND PERFORMANCE HANDBOOK SUPPLIED	Yes mandatory	.....(Y/N)

1. GENERAL

a)	A standard production medium sized construction type dozer with ripper attachment, of latest design in class, robust construction, of proven performance and in current production.	Yes	.....(Y/N)
b)	Supplied new.	Yes	.....(Y/N)
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)
b)	Dozer with ripper attachment	Yes	.....(Y/N)
c)	Basic operating weight with ripper attachment, approx.	18,000 Kg	.....Kg

2 WEIGHTS AND DIMENSIONS

a)	Total length with blade and ripper, approx.	6,400mm	----- mm
b)	Total width with blade, approx.	3,000mm	-----mm
c)	Total height with ROPS, approx.	3,200mm	.....(Y/N)
d)	Ground clearance, min.	380mm	-----mm
e)	Drawbar height, approx.	550mm	.....mm
f)	Basic operating weight including lubricants, coolant, full fuel tank, hydraulic control, bulldozer and ROPS canopy, approx.	20,500KgKg

3 ENGINE

Water cooled diesel with electric start		
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION		REQUIREMENT	TENDERER'S
a)		Yes	-----Y/N
b)	Mode of aspiration, Turbocharged & after cooled.	Yes	.....(Y/N)
c)	Maximum power output, (Hp/rpm) range.	170-200Hp/1900rpm	-----Hp/rpm
d)	Maximum torque developed, min.	850Nm	-----Nm/rpm
e)	Engine displacement, range	Specify	-----cc
f)	No. of cylinders	6	-----No.
e)	Exhaust muffler and rain cap	Yes	-----Y/N
f)	Fuel tank capacity , approx.	400 ltr	-----l

4. TRANSMISSION.

a)	Full power shift with torque convertor	Yes	-----Y/N
b)	Minimum 3 forward and 3 reverse speeds	Yes	-----Y/N
c)	Pressurised lubrication	Yes	-----Y/N

5. STEERING

a)	Power assisted, multi-disc , oil cooled clutches	Yes	----- (Y/N)
----	--	-----	-------------

6. UNDERCARRIAGE (TRACK ROLLER FRAME UNIT)

a)	Oscillating type box girder construction	Yes	-----Y/N
b)	Minimum six track rollers and two carrier rollers	Yes	-----Y/N
c)	Rollers sealed and life lubricated	Yes	-----Y/N
d)	Track shoe width, min	500mm	-----mm
e)	Sealed type pins and bushings	Yes	-----Y/N

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
f) Hydraulic type, tensioner.	Yes	-----Y/N

7. ELECTRICAL SYSTEM

a) Manufacturers standard 24V starting system	Yes	------(Y/N)
---	-----	-------------

8. DOZER BLADE AND RIPPER.

a) Angle/straight dozer with bolted-on cutting edge and end bit.	Yes	------(Y/N)
i) Capacity, approx	4m ³	----- m ³
ii) Overall width, approx.	3,000mm	----- mm
iii) Height, approx.	1,000mm	----- mm
iv) Digging depth, approx.	600mm	-----mm
v) Ground clearance, approx.	1,000mm	----- mm
vi) Maximum tilt, approx.	600mm	----- mm
b) Hydraulic hoisting with lift, lower and hold positions.	Yes	------(Y/N)
c) Hydraulic operated ripper with 3 tines and parallel linkage	Yes	------(Y/N)
i) Beam width	2000 mm	----- mm
ii) Maximum penetration	500 mm	----- mm
iii) Maximum clearance raised (lift above ground)	1000 mm	-----mm
iv) Blade turning angle	±25 ⁰	----- ⁰

9. OPERATORS CAB.

a) Vibration-insulation mounted enclosed/lockable cab with ROPS and with clear working view.	Yes, mandatory	------(Y/N)
b) Complete instrumentation including engine and hydraulic oil pressure gauges.	Yes	------(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

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

10. EQUIPMENT AND ACCESSORIES.

a) Radiator and upper engine guards	Yes	------(Y/N)
b) Service tools in mounted kit	Yes	------(Y/N)
c) Engine hour meter.	Yes	------(Y/N)
d) Engine and transmission protection plates against damage	Yes (Mandatory)	.....(Y/N)
e) Optional equipment	Specify	

11. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours
c) Specimen of Dozer warranty to be submitted while Tendering.	Yes)	.....(Y/N)

12. MANUALS

a) All literature in English language	Yes	.....(Y/N)
b) Operator's, service and warranty Manual, supplied.	1 per Dozer	_____(Y/N)
c) Shop Manual/CD supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)
d) Parts catalogue /CD, supplied.	1 per dozer Yes, Mandatory	_____(Y/N)

13. OTHER REQUIREMENT

a) Dozer to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	_____(Y/N)
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
b) Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)
g) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION	
---	--

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
vii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N
viii) Fan belt set – 5No.	Yes (Mandatory)	.....Y/N
ix) Ripper cylinder seal kit – 2 sets	Yes(Mandatory)	.....Y/N
x) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N
xi) lift cylinder seal kit– 2 sets	Yes (Mandatory)	.....Y/N
xii) Hydraulic pump service kit – 2 sets	Yes (Mandatory)	.....Y/N
xiii) Final Drive seal kit – 2 sets	Yes(Mandatory)	.....Y/N
xiv) Cutting edge set-5set	Yes (Mandatory)	.....Y/N
xv) Ripper tips set -3set	Yes (Mandatory)	.....Y/N
xvi) End bits set-3set	Yes (Mandatory)	.....Y/N
xvii) Diesel Filter secondary – 10No	Yes (Mandatory)	.....Y/N
<u>TENDERER' S REMARKS</u>		

4. MEDIUM TRACKED DOZER WITH RIPPER, 140-160 HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S AUTHORITY, LITERATURE/SPECIFICATIONS AND PERFORMANCE HANDBOOK SUPPLIED	Yes mandatory	.....(Y/N)

1. GENERAL

a)	A standard production medium sized construction type dozer with ripper attachment, of latest design in class, robust construction, of proven performance and in current production.	Yes	.....(Y/N)
b)	Supplied new.	Yes	.....(Y/N)
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)
b)	Dozer with ripper attachment	Yes	.....(Y/N)
c)	Basic operating weight with ripper attachment, approx.	17,000 Kg	.....Kg

2 WEIGHTS AND DIMENSIONS

a)	Total length with blade and ripper, approx.	6,400mm	----- mm
b)	Total width width with blade,approx.	3,300mm	-----mm
c)	Total height with ROPS,approx.	3,100mm	.....(Y/N)
d)	Ground clearance, min.	380mm	-----mm
e)	Drawbar height, approx.	500mm	.....mm
f)	Basic operating weight including lubricants, coolant, full fuel tank, hydraulic control, bulldozer and ROPS canopy, approx.	17,000Kg	.....Kg

3 ENGINE

TENDERER'S SPECIFICATION Column to be completed by ALL

	SPECIFICATION	REQUIREMENT	TENDERER'S
a)	Water cooled diesel with electric start	Yes	-----Y/N
b)	Mode of aspiration, Turbocharged & after cooled.	Yes	.....(Y/N)
c)	Maximum power output, (Hp/rpm) range.	140-160Hp/1900rpm	-----Hp/rpm
d)	Maximum torque developed, min.	700Nm	-----Nm/rpm
e)	Engine displacement, range	Specify	-----cc
f)	No. of cylinders	6	-----No.
e)	Exhaust muffler and rain cap	Yes	-----Y/N
f)	Fuel tank capacity , approx.	400 ltr	-----l

4. TRANSMISSION.

a)	Full power shift with torque convertor	Yes	-----Y/N
b)	Minimum 3 forward and 3 reverse speeds	Yes	-----Y/N
c)	Pressurised lubrication	Yes	-----Y/N

5. STEERING

a)	Power assisted, multi-disc , oil cooled clutches	Yes	----- (Y/N)
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6. UNDERCARRIAGE (TRACK ROLLER FRAME UNIT)

a)	Oscillating type box girder construction	Yes	-----Y/N
b)	Minimum six track rollers and two carrier rollers	Yes	-----Y/N
c)	Rollers sealed and life lubricated	Yes	-----Y/N
d)	Track shoe width, min	500mm	-----mm
e)	Sealed type pins and bushings	Yes	-----Y/N
f)	Hydraulic type, tensioner.	Yes	-----Y/N

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
7. ELECTRICAL SYSTEM		
a) Manufacturers standard 24V starting system	Yes	------(Y/N)
8. DOZER BLADE AND RIPPER.		
a) Angle/straight dozer with bolted-on cutting edge and end bit.	Yes	------(Y/N)
i) Capacity, approx	4m ³	----- m ³
ii) Overall width, min.	3,000mm	----- mm
iii) Height, approx.	1,000mm	----- mm
iv) Digging depth, approx.	500mm	-----mm
v) Ground clearance, approx.	400mm	----- mm
vi) Maximum tilt, approx.	400mm	----- mm
b) Hydraulic hoisting with lift, lower and hold positions.	Yes	------(Y/N)
c) Hydraulic operated ripper with 3 tines and parallel linkage	Yes	------(Y/N)
i) Beam width	2000 mm	----- mm
ii) Maximum penetration	500 mm	----- mm
iii) Maximum clearance raised (lift above ground)	550 mm	-----mm
iv) Blade turning angle	±25 ⁰	----- ⁰
9. OPERATORS CAB.		
a) Vibration-insulation mounted enclosed/lockable cab with ROPS and with clear working view.	Yes, mandatory	------(Y/N)
b) Complete instrumentation including engine and hydraulic oil pressure gauges.	Yes	------(Y/N)

10. EQUIPMENT AND ACCESSORIES.

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION		REQUIREMENT	TENDERER'S
a)	Radiator and upper engine guards	Yes	------(Y/N)
b)	Service tools in mounted kit	Yes	------(Y/N)
c)	Engine hour meter.	Yes	------(Y/N)
d)	Engine and transmission protection plates against damage	Yes (Mandatory)	.....(Y/N)
e)	Optional equipment	Specify	
11. WARRANTY			
a)	Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)
b)	Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours
c)	Specimen of Dozer warranty to be submitted while Tendering.	Yes)	.....(Y/N)
12. MANUALS			
a)	All literature in English language	Yes	.....(Y/N)
b)	Operator's, service and warranty Manual, supplied.	1 per Dozer	_____(Y/N)
c)	Shop Manual/CD supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)
d)	Parts catalogue /CD, supplied.	1 per dozer Yes, Mandatory	_____(Y/N)
13. OTHER REQUIREMENT			
a)	Dozer to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	_____(Y/N)
b)	Dozer will be inspected by the Chief Mechanical	Yes	_____(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
and Transport Engineer, prior to delivery to the user.		
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)
g) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N

vii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N
viii) Fan belt set – 5No.	Yes (Mandatory)	.....Y/N
ix) Ripper cylinder seal kit – 2 sets	Yes(Mandatory)	.....Y/N
x) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N
xi) lift cylinder seal kit– 2 sets	Yes (Mandatory)	.....Y/N
xii) Hydraulic pump service kit – 2 sets	Yes (Mandatory)	.....Y/N
xiii) Final Drive seal kit – 2 sets	Yes(Mandatory)	.....Y/N
xiv) Cutting edge set-5set	Yes (Mandatory)	.....Y/N
xv) Ripper tips set -3set	Yes (Mandatory)	.....Y/N
xvi) End bits set-3set	Yes (Mandatory)	.....Y/N
xvii) Diesel Filter secondary – 10No	Yes (Mandatory)	.....Y/N

TENDERER / S REMARKS

❖ EXCAVATORS

1. CRAWLER EXCAVATOR WITH BREAKER SET, 170-210HP. HEAVY DUTY

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
Make	-	
Model	-	
Country of origin	-	
Manufacturer's literature, authority and specifications supplied.	Yes mandatory	(Y/N)

1. GENERAL

a)	A standard production, crawler backhoe excavator of latest design, proven performance and in current production.	Yes, Yes, Yes (Y/N)
----	--	------------------------

SPECIFICATION	REQUIRED	TENDERER'S
b) Supplied new.	Yes	(Y/N)
c) Designed to light export specifications, capable of operating in tropical conditions.	Yes	(Y/N)
d) Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)

2. SHIPPING DIMENSIONS

a) Overall length, approx.	10,000 mm	.....mm
b) Overall width, approx.	3,100mm	.....mm
c) Overall height, approx.	3,200 mm	.....mm
d) Cab height, approx.	3,000 mm	.....mm
e) Ground clearance, min.	500 mm	.....mm
f) Track length, approx.	5,000mm	.....mm
g) Shoe width , approx.	600mm	.....mm
h) Tail swing radius, approx.	3,100mm	.....mm
i) Operating weight, approx.	29,000kg	.....Kg

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) 4-cycle, water-cooled, direct injection	Yes	(Y/N)
e) Mode of aspiration	Turbo(mandatory)	(Y/N)
f) No. of cylinders	Specify	(Y/N)
g) Engine capacity, approx.	Specify	cc

	SPECIFICATION	REQUIRED	TENDERER'S
h)	Maximum Rated Power, min.	170- 210HP/2000rpm	No.
i)	Maximum Rated Torque, min.	750Nm/1400rpm	KW/rpm

4. WORKING RANGE

a)	Max. height, approx.	10000mm	.....mm
b)	Max. loading height, approx.	6500mm	.....mm
c)	Max. digging depth, approx.	7200mm	.....mm
d)	Bucket digging force, approx.	170kN	.....kN
e)	Arm digging force, approx.	130kN	.....kN
f)	Bucket capacity, approx.	1.3m ³	.....m ³

5. HYDRAULIC SYSTEM

a)	Type.	Variable displacement piston pumps	.....(Y/N)
b)	Max. flow, approx.	2x250 l/min	.....l/min
c)	Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ²..........Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²

6. DRIVE, BRAKES & UNDERCARRIAGE

a)	Steering control	Hydrostatic	.....Y/N
b)	Max. drawbar pull, approx.	230kN	.....KN
c)	Max. travel speed, approx.	4km/h	.....Km/h
d)	Service brake system	Specify	.....

SPECIFICATION	REQUIRED	TENDERER'S
e) Parking brake system.	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....
j) No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a) Fuel tank, approx.	400Lts	..... Lts
b) Cooling system	30Lts	.....Lts
c) Engine oil, approx.	22Lts	.....Lts
d) Final drive, approx.	7Lts	.....Lts
e) Hydraulic system (including tank)	250Lts	.....Lts

8. OPERATOR'S STATION

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N
b) Cab hydraulically damped and safety glass windows fitted.	Yes	.....Y/N

9 EQUIPMENT (OR ACCESSORIES) ETC.

a) Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify	
b) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N
c) Air conditioning system	Yes	.....(Y/N)

SPECIFICATION	REQUIRED	TENDERER'S
	(Mandatory)	
d) FM radio with CD player	Yes (Mandatory)	.....(Y/N)
e) Hour meter tamper proof, with memory and data retrievable	Yes	.....Y/N

10 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N
c) Machine warranty min.	Specify	.....

11 MANUALS

a) All literature in English language.	Yes	.....Y/N
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N

12 OTHER REQUIREMENT

a) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications delivery to the user.	Yes Mandatory	_____(Y/N)
c) Chevrons and reflectors fitted on	Yes	----- (Yes/No)

SPECIFICATION	REQUIRED	TENDERER'S
rear to conform to Kenya Traffic Act.		
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
e) Availability of spares.	Indicate 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) Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)
h) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)

13. TO SUPPLY THE FOLLOWING EQUIPMENT AS A SEPARATE ATTACHMENT

I. A STANDARD HYDRAULIC BREAKER SET/ HAMMER LINE	Yes(Mandatory)	------(Yes/No)
a) Make	-	-----
b) Model	-	-----
c) Country of origin	-	-----

d)	Supplied crawler excavator to have hydraulic lines/other attachments for the breaker	Yes(Mandatory)	------(Yes/No)
e)	Suitable for breaking all classes of concrete, cutting asphalt and tamping	Yes(Mandatory)	------(Yes/No)
f)	Shank size, diameter x length approx	specify	-----x-----mm
g)	Weight, range.	1,300-2,200Kg	-----Kg
h)	Hydraulic flow range.	150-250 l/min.	----- l/min.
i)	Working pressure range.	14-20MPa	-----MPa
i)	Impact energy rating, approx.	5,500 joules	-----joules
k)	Blow frequency rating range approx.	400-600 b/min.	-----b/min
II. BREAKER TOOLS			
a)	Moil point	Yes	------(Yes/No)
b)	Flat wedge chisel.	Yes	------(Yes/No)
c)	Any other tools supplied:	Specify	-----

14. SERVICE PARTS FOR 2000HRS OF OPERATION

viii) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ix) Diesel Filter P – 10No.	Yes (Mandatory)	.....Y/N
x) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
xi) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
xii) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
xiii) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
xiv)Transmission Filter -10No.	Yes (Mandatory)	.....Y/N
viii) Fan belt set – 3No.	Yes (Mandatory)	.....Y/N
ix) Travel motor seals -4sets.	Yes(Mandatory)	.....Y/N
x) Greasing gun heavy duty-1No.	Yes (Mandatory)	.....Y/N
xi) Bucket tips – 5 sets	Yes (Mandatory)	.....Y/N
xii) Diesel Filter S – 10No	Yes (Mandatory)	.....Y/N
<u>TENDERER' S REMARKS</u>		

2. CRAWLER EXCAVATOR WITH BREAKER SET, . 220-260 HP. HEAVY DUTY

SPECIFICATION	REQUIRED	TENDERER'S
Make	-	
Model	-	
Country of origin	-	
Manufacturer's literature, authority and specifications supplied.	Yes mandatory	(Y/N)

1. GENERAL

a) A standard production, crawler backhoe excavator 220-260HP, of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)
b) Supplied new.	Yes	(Y/N)
c) Designed to heavy duty export specifications, capable of operating in tropical conditions.	Yes	(Y/N)
d) Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted.	Yes	.....(Y/N)

2. SHIPPING DIMENSIONS

a) Overall length, min.	10,000 mm	.....mm
b) Overall width, approx.	3,100mm	.....mm
c) Overall height, min.	3,200 mm	.....mm
d) Cab height, approx.	3,000 mm	.....mm
e) Ground clearance, min.	500 mm	.....mm
f) Track length, approx.	5,000mm	.....mm
g) Shoe width , approx.	600mm	.....mm

SPECIFICATION	REQUIRED	TENDERER'S
h) Tail swing radius, approx.	3,100mm	.....mm
i) Operating weight, approx.	32,000kg	.....Kg

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) 4-cycle, water-cooled, direct injection	Yes	(Y/N)
e) Mode of aspiration	Turbo(mandatory)	(Y/N)
f) No. of cylinders	Specify	(Y/N)
g) Engine capacity, approx.	8000 cc	cc
h) Maximum Rated Power.	220-260HP/2000rpm	.....
i) Maximum Rated Torque, min.	1000Nm/1400rpm	KW/rpm

4. WORKING RANGE

a) Max. height, approx.	10000mm	.....mm
b) Max. loading height, approx.	6500mm	.....mm
c) Max. digging depth, approx.	7200mm	.....mm
d) Bucket digging force, approx.	170kN	.....kN
e) Arm digging force, approx.	130kN	.....kN
f) Bucket capacity, approx.	1.3m ³	.....m ³

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps(Y/N)
----------	------------------------------------	------------

SPECIFICATION		REQUIRED	TENDERER'S
b)	Max. flow, approx.	2x250 l/min	.....l/min
c)	Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ².........Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²

6. DRIVE, BRAKES & UNDERCARRIAGE

a)	Steering control	Hydrostatic	.....Y/N
b)	Max. drawbar pull, approx.	230kN	.....KN
c)	Max. travel speed, approx.	4km/h	.....Km/h
d)	Service brake system	Specify	.....
e)	Parking brake system.	Specify	.....
f)	Undercarriage centre frame	Specify	.....
a)	Track frame	Specify	.....
b)	No. of shoes	Specify	.....
c)	No. of carrier rollers	Specify	.....
j)	No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a)	Fuel tank, approx.	400Lts	..... Lts
b)	Cooling system	30Lts	.....Lts
c)	Engine oil, approx.	22Lts	.....Lts
d)	Final drive, approx.	7Lts	.....Lts

SPECIFICATION	REQUIRED	TENDERER'S
e) Hydraulic system (including tank)	250Lts	.....Lts

8. OPERATOR'S STATION

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N
b) Cab hydraulically, ROPS , damped and safety glass windows fitted.	Yes	.....Y/N

9 EQUIPMENT (OR ACCESSORIES) ETC.

a) Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify	
b) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N

10 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N
c) Machine warranty min.	2000hrs or 1year whichever comes first	.....

11 MANUALS

a) All literature in English language.	Yes	.....Y/N
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N

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

12 **OTHER REQUIREMENT**

a)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)
b)	Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications prior to delivery to the user.	Yes Mandatory	_____(Y/N)
c)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	------(Yes/No)
d)	Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
e)	Availability of spare parts.	Indicate 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)	Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)
h)	Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the	Yes (Mandatory)	_____(Y/N)

SPECIFICATION manufacturers or their agent.	REQUIRED	TENDERER'S
---	----------	------------

14. TO SUPPLY THE FOLLOWING EQUIPMENT AS A SEPARATE ATTACHMENT

I.	A STANDARD HYDRAULIC BREAKER SET/ HAMMER LINE	Yes(Mandatory)	------(Yes/No)
a)	Make	-	-----
b)	Model	-	-----
c)	Country of origin	-	-----
d)	Supplied crawler excavator to have hydraulic lines/other attachments for the breaker	Yes(Mandatory)	------(Yes/No)
e)	Suitable for breaking all classes of concrete, cutting asphalt and tamping	Yes(Mandatory)	------(Yes/No)
f)	Shank size, diameter x length approx	specify	----x----mm
g)	Weight, range.	1,300-2,200Kg	-----Kg
h)	Hydraulic flow range.	150-250 l/min.	----- l/min.
i)	Working pressure range.	14-20MPa	-----MPa
i)	Impact energy rating, approx.	5,500 joules	-----joules
k)	Blow frequency rating range approx.	400-600 b/min.	-----b/min
II.	BREAKER TOOLS		
a)	Moil point	Yes	------(Yes/No)
b)	Flat wedge chisel.	Yes	------(Yes/No)
c)	Any other tools supplied:	Specify	-----

14. SERVICE PARTS FOR 2000HRS OF OPERATION

xv) Oil filter - 10No.	Yes (Mandatory)	..... Y/N
xvi) Diesel Filter primary – 10No.	Yes (Mandatory)	..... Y/N
xvii) Diesel Filter secondary – 10No.	Yes (Mandatory)	..... Y/N
xviii) Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N
xix) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N
xx) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N
xxi) Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N
viii) Transmission Filter -10No.	Yes(Mandatory)	..... Y/N
ix) Fan belt set – 5No.	Yes (Mandatory)	..... Y/N
x) Travel motor seals -4sets.	Yes (Mandatory)	..... Y/N
xi) Greasing gun bucket type-1No.	Yes (Mandatory)	..... Y/N
xii) Bucket tips – 3 sets	Yes (Mandatory)	..... Y/N
xiii) Side cutters-3sets	Yes (Mandatory)	..... Y/N
xiv) Breaker chisels pointed- 5No.	Yes (Mandatory)	..... Y/N
xv) Breaker chisels flat - 5No.	Yes (Mandatory)	..... Y/N
<u>TENDERER'S REMARKS</u>		

3. SPECIAL DUTY CRAWLER EXCAVATOR WITH DEMOLITION SET, 22M HEIGHT CAPACITY

SPECIFICATION	REQUIRED	TENDERER'S
Make	-	
Model	-	
Country of origin	-	
Manufacturer's literature, authority and specifications supplied.	Yes, mandatory	(Y/N)

1. GENERAL

a) A standard production, special duty crawler excavator with demolition set, 22m height capacity, of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)
b) Supplied new.	Yes	(Y/N)
c) Designed to heavy export specifications, capable of operating in tropical conditions.	Yes	(Y/N)
d) Demolition attachment 22m high capacity and accessories supplied	Yes, mandatory	(Y/N)
e) Backhoe excavator attachment and accessories supplied	Yes, mandatory	(Y/N)
f) Grabber attachment and accessories supplied	Yes, mandatory	(Y/N)
g) Cutting attachment (for cutting concrete slab) and accessories supplied.	Yes, mandatory	(Y/N)
h) Tilttable type cabin , 30 ⁰ (suitable for demolition application)	Yes, mandatory	(Y/N)
i) Fitted with protection grid for		

SPECIFICATION	REQUIRED	TENDERER'S
the cabin , (suitable for demolition application)	Yes, mandatory	(Y/N)
j) Other guard plates/reinforcements for undercarriage and other structures	Yes specify	.....(Y/N) -----
k) Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes, mandatory	.....(Y/N)
2 DEMOLITION EQUIPMENT REQUIREMENTS		
a) Rotary drive with hydraulic system	Yes	.....(Y/N)
b) Complete hydraulic system and control for hammers/shears	Yes	.....(Y/N)
c) Hoist cylinders with valves	Yes	.....(Y/N)
d) Basic boom suitably mounted at bottom foot Bracket or equivalent	Yes	.....(Y/N)
e) Heavy counter weight 8t approx.. Dimensions l x w x h , 1000x3000x800mm approx	Yes specify	.....(Y/N) -----
f) Suitable Demolition boom , 9.3m approx.	Yes specify	.....(Y/N) -----
g) DEMOLITION ATTACHMENT WITH SUPPORT , RACK & CATWALKS		
i. Transport dimensions, L x w x h , 11000x 3200 x 2500mm approx.	specify	-----
ii. Weight without working tool approx.	12,000kgs	-----
h) Intermediate boom, 2.2m approx.	specify	-----

SPECIFICATION		REQUIRED	TENDERER'S
i)	Suitable Demolition stick, 6.3m approx. complete With linkage	Yes, mandatory	.....(Y/N)
j)	Suitable attachments to include backhoe bucket, demolition shears, concrete nibblers etc.	Yes, mandatory	.....(Y/N)
k)	Suitable storage racks for demolition attachment	Yes specify	.....(Y/N) -----
l)	Supplied with quick change adapter, adapter plate and tool	Yes, mandatory	.....(Y/N)
m)	Demolition reach min.	12m	.....m
n)	Operating weight complete with counter weight and 2t tools etc. approx.	60,000kgs	.....kgs
o)	Pad width	600mm	.....mm
p)	Ground pressure approx..	1kg/cm ²	.....kg/cm ²
q)	Standard parking dimensions (folded with 9.3m demolition boom)		
i)	Overall length approx.	17,000m	.....
)	Cab height approx..	3100mm	.....
ii)	Overall width range	3000-4000mm	.....
iii)	Track length approx	4400mm	.....
3	BACKHOE EQUIPMENT REQUIREMENTS		
a)	Suitable main boom , 4.3m approx.	Yes specify	.....(Y/N) -----
b)	Rotary drive with hydraulic lines/system for main boom 4.3m and stick 3.3m etc.	Yes	.....(Y/N)

SPECIFICATION	REQUIRED	TENDERER'S
c) Suitable storage racks for backhoe attachment	Yes specify	.....(Y/N) -----
d) Supplied with quick change adapter, adapter plate and tool	Yes	.....(Y/N)
e) Backhoe attachment with storage racks & catwalks	Yes	.....(Y/N)
i. Transport dimensions, L xwxh approx.	8000x 3000x2500mm	.....
ii. Weight of backhoe attachment without working tool approx.	7000kgs	.....

4. BASIC MACHINE DIMENSIONS WITH TILTABLE CAB & INTEGRAL PROTECTION STRUCTURE

a) Overall length, min.	7,500 mm	.....mm
b) Overall width, approx.	3,000mm	.....mm
c) Overall height, approx.	3,600 mm	.....mm
d) Cab height, approx.	3,600 mm	.....mm
e) Ground clearance, min.	500 mm	.....mm
f) Track length, approx.	4,500mm	.....mm
g) Shoe width , approx.	600mm	.....mm
h) Tail swing radius, approx.	3,500mm	.....mm
i) Weight, approx.	48,000kg	.....Kg

3. ENGINE

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

SPECIFICATION	REQUIRED	TENDERER'S
d) 4-cycle, water-cooled, direct injection	Yes	(Y/N)
e) Mode of aspiration	Turbo(mandatory)	(Y/N)
f) No. of cylinders	Specify	.....
g) Engine capacity, approx.	10,000 - 15,000cc	cc
h) Maximum Rated Power min	250-300HP/2000rpm	.....
i) Maximum Rated Torque, min.	1200Nm/1400rpm	.....

4. WORKING RANGE

a) Max. height, approx.	12,000mm	.....mm
b) Max. loading height, approx.	9,000mm	.....mm
c) Max. digging depth, approx.	7,000mm	.....mm
d) Bucket digging force, approx.	250kN	.....kN
e) Arm digging force, approx.	160kN	.....kN
f) Bucket capacity, approx.	1.75m ³	.....m ³
g) 360° swing	Yes	.....(Y/N)
	Specify swing rate	-----

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps	.....(Y/N)
b) Max. flow, approx.	2x300 l/min	.....l/min
c) Max. pressure, approx.: Power mode	Specify	.....Kg/cm ²........Kg/cm ².....Kg/cm ².....Kg/cm ²

SPECIFICATION	REQUIRED	TENDERER'S
Normal Implements, Travel, Swing, Pilot circuits.		.....Kg/cm ².....Kg/cm ²

6. DRIVE, BRAKES & UNDERCARRIAGE

a) Steering control	Hydrostatic	.....Y/N
b) Max. drawbar pull, approx.	300kN	.....KN
c) Max. travel speed, approx.	4km/h	.....Km/h
d) Service brake system	Specify	.....
e) Parking brake system.	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....
j) No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a) Fuel tank, approx.	500Lts	..... Lts
b) Cooling system	40Lts	.....Lts
c) Engine oil, approx.	30Lts	.....Lts
d) Final drive, approx.	15Lts	.....Lts
e) Hydraulic system (including tank)	300Lts	.....Lts

SPECIFICATION	REQUIRED	TENDERER'S
8. <u>OPERATOR'S STATION</u>		
a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N
b) Cab hydraulically tiltable 30 ⁰ , ROPS, damped and safety glass windows fitted.	Yes	.....Y/N
9 <u>EQUIPMENT (OR ACCESSORIES) ETC.</u>		
a) Hammer equipment , accessories and complete hydraulic system	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----
b) Demolition shears/concrete slab cutting equipment , accessories and complete hydraulic system	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----
c) Concrete nibblers , accessories and complete hydraulic system	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----
d) Suitable grabber attachment	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----
e) Any other equipment that the manufacturer deems necessary for the optimum efficiency of	Specify	

SPECIFICATION	REQUIRED	TENDERER'S
the machine.		
f) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N

10 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N
c) Machine warranty min.	2000hrs or 1year whichever comes first	.....

11 MANUALS

a) All literature in English language.	Yes	.....Y/N
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N

12 OTHER REQUIREMENT

a) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications prior to delivery to the user.	Yes Mandatory	_____(Y/N)

SPECIFICATION	REQUIRED	TENDERER'S
c) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Yes/No)
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
e) Availability of spare parts.	Indicate 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) Firm to fix, test run and commission machine with all attachments	Yes, Mandatory	_____(Y/N)
h) Adequate training on the operation and maintenance of machine to be provided by experts from the manufacturers or their agent at suppliers Cost.	Yes (Mandatory)	_____(Y/N)

13. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N
iv) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vii) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
viii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N
ix) Fan belt set – 5No.	Yes(Mandatory)	.....Y/N
x) Travel motor seals -4sets.	Yes (Mandatory)	.....Y/N
xi) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N
xii) Bucket tips – 3 sets	Yes (Mandatory)	.....Y/N
xiii) Side cutters-3sets	Yes (Mandatory)	.....Y/N
<u>TENDERER'S REMARKS</u>		

4. CRAWLER EXCAVATOR WITH BREAKER SET, 140-160HP. MEDIUM DUTY.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
Make	-	
Model	-	
Country of origin	-	
Manufacturer's literature, authority and specifications supplied.	Yes mandatory	(Y/N)

1. GENERAL

a) A standard production, crawler backhoe excavator of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)
b) Supplied new.	Yes	(Y/N)
c) Designed to light export specifications, capable of operating in tropical conditions.	Yes	(Y/N)
d) Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)

2. SHIPPING DIMENSIONS

a) Overall length, approx .	9,500 mmmm
-----------------------------	----------	---------

	SPECIFICATION	REQUIRED	TENDERER'S
b)	Overall width, approx.	2,800mm	.....mm
c)	Overall height,.	2,900 mm	.....mm
d)	Cab height, approx.	3,000 mm	.....mm
e)	Ground clearance, min.	400 mm	.....mm
f)	Track length, approx.	4,400mm	.....mm
g)	Shoe width , approx.	400mm	.....mm
h)	Tail swing radius, approx.	2,500mm	.....mm
i)	Operating weight, approx.	19,000-22,000kg	.....Kg

3. ENGINE

a)	Make	-	
b)	Model	-	
c)	Country of origin	-	
d)	4-cycle, water-cooled, direct injection	Yes	(Y/N)
e)	Mode of aspiration	Turbo(mandatory)	(Y/N)
f)	No. of cylinders	Specify	(Y/N)
g)	Engine capacity, approx.	Specify	cc
h)	Maximum Rated Power.	140-170HP/2000rpm	No.
i)	Maximum Rated Torque, min.	600Nm/1400rpm	KW/rpm

4. WORKING RANGE

a)	Max. height, approx.	7000mm	.....mm
b)	Max. loading height, approx.	6000mm	.....mm

SPECIFICATION	REQUIRED	TENDERER'S
c) Max. digging depth, approx.	6000mm	.....mm
d) Bucket digging force, approx.	150kN	.....kN
e) Arm digging force, approx.	130kN	.....kN
f) Bucket capacity, approx.	0.9m ³	.....m ³

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps	.....(Y/N)
b) Max. flow, approx.	2x200 l/min	.....l/min
c) Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ² Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²

6. DRIVE, BRAKES & UNDERCARRIAGE

a) Steering control	Hydrostatic	.....Y/N
b) Max. drawbar pull, approx.	200kN	.....KN
c) Max. travel speed, approx.	3km/h	.....Km/h
d) Service brake system	Specify	.....
Parking brake system.		

SPECIFICATION	REQUIRED	TENDERER'S
e)	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....
j) No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a) Fuel tank, approx.	300Lts	..... Lts
b) Cooling system	20Lts	.....Lts
c) Engine oil, approx.	20Lts	.....Lts
d) Final drive, approx.	6Lts	.....Lts
e) Hydraulic system (including tank)	200Lts	.....Lts

8. OPERATOR'S STATION

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N
b) Cab hydraulically damped and safety glass windows fitted.	Yes	.....Y/N

9 EQUIPMENT (OR ACCESSORIES) ETC.

a) Any other equipment that the manufacturer deems necessary for the optimum efficiency	Specify	
---	---------	--

SPECIFICATION	REQUIRED	TENDERER'S
of the machine.		
b) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N
c) Air conditioning system	Yes (Mandatory)	.....(Y/N)
d) FM radio with CD player	Yes (Mandatory)	.....(Y/N)
e) Hour meter tamper proof, with memory and data retrievable	Yes	.....Y/N

10 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N
c) Machine warranty min.	Specify	.....

11 MANUALS

a) All literature in English language.	Yes	.....Y/N
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N

12 OTHER REQUIREMENT

a) Body construction and all fitments to conform	Yes	_____(Y/N)
--	-----	------------

SPECIFICATION	REQUIRED	TENDERER'S
to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Mandatory	
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications delivery to the user.	Yes Mandatory	_____(Y/N)
c) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	------(Yes/No)
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
e) Availability of spares.	Indicate 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) Firm to fix, test run	Yes, Mandatory	_____(Y/N)

	SPECIFICATION and commission machine with breaker assembly	REQUIRED	TENDERER'S
h)	Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)

15. TO SUPPLY THE FOLLOWING EQUIPMENT AS A SEPARATE ATTACHMENT

I.	A STANDARD HYDRAULIC BREAKER SET/ HAMMER LINE	Yes(Mandatory)	------(Yes/No)
a)	Make	-	-----
b)	Model	-	-----
c)	Country of origin	-	-----
d)	Supplied crawler excavator to have hydraulic lines/other attachments for the breaker	Yes(Mandatory)	------(Yes/No)
e)	Suitable for breaking all classes of concrete, cutting asphalt and tamping	Yes(Mandatory)	------(Yes/No)
f)	Shank size, diameter x length approx	specify	----x----mm
g)	Weight, range.	1,000-1,800Kg	-----Kg
h)	Hydraulic flow range.	150-200 l/min.	----- l/min.

i)	Working pressure range.	12-20MPa	-----MPa
i)	Impact energy rating, approx.	4,000 joules	-----joules
k)	Blow frequency rating range approx.	300-500 b/min.	-----b/min
II. BREAKER TOOLS			
a)	Moil point	Yes	------(Yes/No)
b)	Flat wedge chisel.	Yes	------(Yes/No)
c)	Any other tools supplied:	Specify	-----

14. SERVICE PARTS FOR 2000HRS OF OPERATION			
i)	Oil filter - 10No.	Yes (Mandatory)	..... Y/N
ii)	Diesel Filter P – 10No.	Yes (Mandatory)	..... Y/N
iii)	Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N
iv)	Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N
v)	Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N
vi)	Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N
vii)	Transmission Filter -10No.	Yes (Mandatory)	..... Y/N
viii)	Fan belt set – 3No.	Yes (Mandatory)	..... Y/N
ix)	Travel motor seals -4sets.	Yes(Mandatory)	..... Y/N
x)	Greasing gun heavy duty-1No.	Yes (Mandatory)	..... Y/N
xi)	Bucket tips – 5 sets	Yes (Mandatory)	..... Y/N

xii) Diesel Filter S – 10No	Yes (Mandatory)	..... Y/N
<u>TENDERER' S REMARKS</u>		

5. CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM

MOT&I/MTD/QMS/1755		
SPECIFICATION NO.: MTD-2806-0502-23 of 9		Page 108
TENDERER'S NAME: NO:		
TENDER NO: QTY:		ITEM NO:
DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.		
TENDERER'S Column to be completed by tenderer		
SPECIFICATION	REQUIRED	TENDERER'S
Make	-	
Model	-	
Country of origin	-	
Manufacturer's literature, authority(including warranty) and specifications supplied.	Yes mandatory	(Y/N)

1. GENERAL

a)	A standard production, crawler backhoe excavator of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)
b)	Supplied new.	Yes	(Y/N)
c)	Designed to light export specifications, capable of operating in tropical conditions.	Yes	(Y/N)
d)	To be supplied with an inbuilt fleet management system from the manufacturer	Yes (Mandatory)	.....(Y/N)
e)	Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes(Y/N)

2. SHIPPING DIMENSIONS

SPECIFICATION NO.: MTD-2806-0502-23
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TENDERER'S NAME:
NO:

TENDER NO:
QTY:

ITEM NO:

**DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT
FLEET MANAGEMENT SYSTEM.**

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
a) Overall length, approx.	9,500 mm	.....mm
b) Overall width, approx.	2,800mm	.....mm
c) Overall height approx.	3,100 mm	.....mm
d) Cab height, approx.	3,000 mm	.....mm
e) Ground clearance, min.	400 mm	.....mm
f) Track length, approx.	4,000mm	.....mm
g) Shoe width , min.	400mm	.....mm
h) Tail swing radius, min.	2,500mm	.....mm
i) Operating weight, approx.	19,000-23,000kg	.....Kg

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) 4-cycle, water-cooled, direct injection	Yes	(Y/N)
e) Mode of aspiration	Turbo(mandatory)	(Y/N)
f) No. of cylinders	Specify	(Y/N)
g) Engine capacity, approx.	Specify	cc
h) Maximum Rated Power.	140-160HP/2000rpm	No.
i) Maximum Rated Torque, min.	600Nm/1400rpm	KW/rpm

TENDERER'S NAME:
NO:TENDER NO:
QTY:

ITEM NO:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT
FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

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

4. WORKING RANGE

a) Max. height, min.	7000mm	.....mm
b) Max. loading height, approx.	6000mm	.....mm
c) Max. digging depth, approx.	6000mm	.....mm
d) Bucket digging force, min.	130kN	.....kN
e) Arm digging force, min.	110kN	.....kN
f) Bucket capacity, approx.	0.9m ³	.....m ³

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps	.....(Y/N)
b) Max. flow, approx.	2x200 l/min	.....l/min
c) Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²

6. DRIVE, BRAKES & UNDERCARRIAGE

a) Steering control	HydrostaticY/N
b) Max. drawbar pull, approx.	200kNKN
c) Max. travel speed, approx.	5km/hKm/h

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TENDERER'S NAME:
NO:

TENDER NO:
QTY:

ITEM NO:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
d) Service brake system	Specify	.....
e) Parking brake system.	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....
j) No. of track rollers	Specify	.....

7. **COOLANT & LUBRICANT CAPACITY**

a) Fuel tank, approx.	300Lts	..... Lts
b) Cooling system	20Lts	.....Lts
c) Engine oil, approx.	15Lts	.....Lts
d) Final drive, approx.	6Lts	.....Lts
e) Hydraulic system (including tank)	200Lts	.....Lts

8. **OPERATOR'S STATION**

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N
b) Cab hydraulically damped and safety	Yes	.....Y/N

MOT&I/MTD/QMS/1755		
SPECIFICATION NO.: MTD-2806-0502-23 of 9		Page 108
TENDERER'S NAME: NO:		
TENDER NO: QTY:	ITEM NO:	
DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.		
TENDERER'S Column to be completed by tenderer		
SPECIFICATION	REQUIRED	TENDERER'S
glass windows fitted.		

9 EQUIPMENT (OR ACCESSORIES) ETC.

a)	Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify	
b)	Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N
c)	Air conditioning system	Yes (Mandatory)	.....(Y/N)
d)	FM radio with CD player	Yes (Mandatory)	.....(Y/N)
e)	Hour meter tamper proof, with memory and data retrievable	Yes (Mandatory)	.....Y/N
10 FLEET MANAGEMENT SYSTEM-to be fitted and supplied with the equipment			
a)	MAKE	-	
b)	MODEL	-	
c)	COUNTRY OF ORIGIN	-	
d)	Manufacturer's Literature, authority and Specifications Supplied(To be forwarded together with these specifications.)	Yes (Mandatory)	.....(Y/N)
e)	To be fitted by the manufacturer of equipment/or in conjunction with equipment manufacturer	Yes (Mandatory) specify	.....(Y/N)
f)	User to be able to log in and obtain/print technical data	Yes (Mandatory)(Y/N)

SPECIFICATION NO.: MTD-2806-0502-23
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TENDERER'S NAME:
NO:

TENDER NO:
QTY:

ITEM NO:

**DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT
FLEET MANAGEMENT SYSTEM.**

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
of equipment, date of initial delivery when new, hours of usage , total hours of operation, present location in the country, fault codes, part no. of spare to be replaced, oil levels among others.	Specify and list available information	
g) Ability to count actual hours of usage in case of device failure, malfunction, disconnection or external interference (device to give correct hours of usage on repair, or hour meter repair or reconnection, electrical cabling repair or replacement)	Yes (Mandatory)	.....(Y/N)
h) Device to be concealed and secretly fitted in equipment, not easy to see, locate or tamper	Yes (Mandatory)	.....(Y/N)
i) User to propose to supplier, five (5) No. min. of its officers/engineers to be allowed access to each equipment data for monitoring of usage purposes	Yes (Mandatory)	.....(Y/N)
j) Supplier to train user staff on usage and maintenance at no cost to the user	Yes (Mandatory)	.....(Y/N)
k) Fleet management device to be fitted and accessed at no cost to the user for the economic life of the machine, (min. 10years)	Yes (Mandatory) Specify years(Y/N) -----

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TENDERER'S NAME:
NO:

TENDER NO:
QTY:

ITEM NO:

**DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT
FLEET MANAGEMENT SYSTEM.**

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
l) User not to be charged any subscription fee/any fee during the economic life of machine (10years approx..)	Yes (Mandatory) Specify years	.....(Y/N) -----
m) Supplier to provide free maintenance , free trouble shooting and repair	Yes (Mandatory) specify	.....(Y/N)

11 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N
c) Machine warranty 1 yr/1000hr min.	Specify	.....

12 MANUALS

a) All literature in English language.	Yes	.....Y/N
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N

13 OTHER REQUIREMENT

a) Body construction and all fitments to	Yes	_____(Y/N)
--	-----	------------

**TENDERER'S NAME:
NO:**

**TENDER NO:
QTY:**

ITEM NO:

**DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT
FLEET MANAGEMENT SYSTEM.**

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S
conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Mandatory	
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications delivery to the user.	Yes Mandatory	_____(Y/N)
c) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	------(Yes/No)
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
e) Availability of spare parts.	Indicate 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) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts form the	Yes (Mandatory)	_____(Y/N)

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TENDERER'S NAME:
NO:

TENDER NO:
QTY:

ITEM NO:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION manufacturers or their agent.	REQUIRED	TENDERER'S
14. SERVICE PARTS FOR 2000HRS OF OPERATION		
i) Oil filter - 10No. ii) Diesel Filter P – 10No. iii) Corrosion Filter – 10No. iv) Outer Air Cleaner – 10No. v) Inner Air Cleaner – 10No. vi) Hydraulic Filter – 10No. vii) Transmission Filter -10No. viii) Fan belt set – 3No. ix) Travel motor seals -4sets. x) Greasing gun heavy duty-1No. xi) Bucket tips – 5 sets xii) Diesel Filters – 10No	Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory)	.....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N
<u>TENDERER' S REMARKS</u>		

❖ GRADERS

1. MOTOR GRADER, 180-200HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
Manufacturer's Literature, authority and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)

1. GENERAL

a)	A Standard production, diesel powered, six wheeled, tandem drive, motor grader of latest design in class, robust construction and of proven performance 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 and rugged terrains; for maintenance of hard packed roads with embedded rock, heavy fill spreading, ripping/scarifying of asphalt or concrete and be a motor grader capable of delivering continuous high load factor.	Yes	.....(Y/N)
d)	Any item not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be	Yes	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
included / fitted.		

2. DIMENSIONS AND WEIGHTS

a)	Overall length, (exclusive of the ripper length), approx.	8,300-9,000mm	..... mm
b)	Overall width, approx.	2,400mm	..... mm
c)	Overall height, approx.	3,100mm	..... mm
d)	Wheelbase, approx.	5,800-6,300mm	..... mm
e)	Basic operating weight, approx.	14 - 17Tons.	..... Ton.
f)	Blade width, approx.	3700mm	-----mm
g)	Blade load, approx.	Specify	..... Kgf

3. ENGINE

a)	Make	-	
b)	Model	-	
c)	Country of origin	-	
d)	Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)
e)	Diesel Engine, water-cooled, 4 Stroke.	Yes, Yes. Yes	.....(Y/N)
f)	Mode of aspiration, Turbocharged.	Yes (Mandatory)	.....(Y/N)
g)	Piston displacement, approx.	Specify	..... cc
h)	Number of cylinders.	6	..... no.
I)	Flywheel horsepower (HP/rpm), range	177-200HP	..... HP
		2000-3000 rpm	.....rpm
j)	Maximum torque developed NM/ minimum.	650Nm	..... Nm
		1300 Rpm	..... rpm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
rpm, approx		
k) Air filter, Dry /Oil bath.	Specify	.....
l Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour
o) Fuel tank capacity, min	300 Lt	..... Lt

4. TRANSMISSION.

a) Transmission Type:	Power shift (Mandatory)	.....(Y/N)
b) No. of speeds, min.	6F 3R (Mandatory)	.....F.....R

5. HYDRAULICS

a) Pump output – approx	1500Lts/Min	.....Lt/Min
b) Standby Pressure Approx	3MPA	.....Mpa
c) System Pressure, Max	20Mpa	.....Mpa

6. FRAME

a) Should be flanged, of box-section design	Yes.	.....(Y/N)
b) <u>SECTION DIMENTION</u>		
i) Width, approx.	280mm	.....mm
ii) Height, approx.	300mm	.....mm

7. AXLES

a) Oscillating type with leaning front axle wheels.	Yes, Yes	.....(Y/N)
b) Tandem roller chain drive, rear axle.	specify	.....

8. WHEELS.

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
a) Front and rear tires.	Yes	.....(Y/N)
b) Size	Specify	-----x-----

9. STEERING.

a) Hydraulic power steering.	Yes	.....(Y/N)
b) Steering range, right or left, approx.	45 degrees	.....degrees
c) Minimum turning radius.	7.2 m	..... m
d) Articulation angle, Left/Right	25 degrees	.....degrees

10. BRAKES.

a) Pneumatically/Hydraulically actuated brakes.	specify	.....(Y/N)
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)

11. CIRCLE.

a) Single piece rolled ring forging	Yes	.....(Y/N)
b) Outside diameter, approx.	1,300mm	..... mm
c) Turning angle.	360 degrees	.....degrees
d) Circle rotation control.	hydraulic	.....(Y/N)

12. MOULDBOARD.

a) Heavily reinforced steel mouldboard, wear resistant length, approx. height, approx. thickness, approx.	3700mm 620mm 20mm	..... mm mm mm
b) High strength cutting edges, replaceable type, width, approx. thickness, approx.	Yes 150mm 16mm	..... mm mm
c) Endbit dimensions: width, approx. thickness, approx.	150mm 16mm	..... mm mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
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13. BLADE RANGE.

a) Lift above ground, approx.	440mm mm
b) Drop below ground, approx.	500mm mm
c) Maximum shoulder reach outside of tires, right, left,	specify specify	..... mm mm
d) Max.depth of cut, approx.	specify	..... mm
e) Maximum blade position, angle (both sides)	specify	.....degrees
f) Blade base.	Specify	..... mm
g) Circle centre shift. right, left,	specify specify	.....mm.....mm
h) Hydraulically operated blade tilt.	Yes (Mandatory)	.....(Y/N)
i) Extended blade position.	Yes	.....(Y/N)

14. CAB.

a) Totally enclosed ROPS cab fitted with lockable doors and safety-glass all round -360 degree visibility	Yes (Mandatory)(Y/N)
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15. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes(Y/N)
b) Alternator charging.	Yes	.....(Y/N)
c) Battery capacity, approx.	specify	..... AH
d) Standard instruments and gauges:		
i) Speedometer	Yes	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
ii) Servicemeter- tamper proof , with memory and data retrievable	Yes	.....(Y/N)
iii) Engine oil pressure gauge.	Yes	.....(Y/N)
iv) Water temperature gauge.	Yes	.....(Y/N)
v) Panel lamps.	Yes	.....(Y/N)
vi) Battery charge lamp.	Yes	.....(Y/N)
vii) Fuel gauge.	Yes	.....(Y/N)
viii) Two head and rear lights.	Yes	.....(Y/N)
ix) Stop & turning signal lights.	Yes	.....(Y/N)
x) Revolving flasher mounted on top of cab.	Yes(Mandatory)	.....(Y/N)

16. EQUIPMENT AND ACCESSORIES.

a) Manufacturer's complete tools, kit supplied.	Yes (Mandatory)	.....(Y/N)
b) Comprehensive list of standard and specialized tools to be supplied with the grader to be attached.	Yes (Mandatory)	.....(Y/N)
c) Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)
d) Ripper attached	Yes (Mandatory)	.....(Y/N)
e) Scarifier attached/equivalent	Yes (Mandatory)	.....(Y/N)
f) With compressor and air pressure line with pipe for tyre Inflation/equivalent	Yes (Mandatory)	.....(Y/N)
g) To be supplied with 1No. Spare wheels.	Yes (Mandatory)	.....(Y/N)
h) Air conditioning system	Yes (Mandatory)	.....(Y/N)
i) FM radio with CD player	Yes (Mandatory)	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
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17. WARRANTY

a) Grader supplied should carry a statement of warranty.	Yes (Mandatory)(Y/N)
b) Grader warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours

18. MANUALS

a) All literature in English language	Yes	.....(Y/N)
b) Operator's Manual, supplied.	1 per Grader	.....(Y/N)
b) Shop Manual/CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)
c) Parts catalogue /CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)

19. OTHER REQUIREMENT

a) Grader to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	.....(Y/N)
b) Grader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	.....(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition be of demonstrable capacity to offer after sales back-up service and any other technical support.	Yes Specify whether agent/dealer	.....(Y/N) -----
d) Availability of spares.	Indicate motor dealers who stock spare parts.	-----
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- -----

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
f) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)

19. SERVICE PARTS FOR 2000HRS OF OPERATION

viii) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ix) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
x) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N
xi) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
xii) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
xiii) Hydraulic Filler – 3No.	Yes (Mandatory)	.....Y/N
xiv)Transmission Filter -3No.	Yes (Mandatory)	.....Y/N
viii) Fan Belt set – 2No.	Yes (Mandatory)	.....Y/N
ix) Diesel filter secondary-10No..	Yes(Mandatory)	.....Y/N
x) Heavy duty Greasing gun, bucket type -2No.	Yes (Mandatory)	.....Y/N
xi)Cutting edges , 5sets	Yes (Mandatory)	.....Y/N
xii)End bits, 2sets	Yes (Mandatory)	.....Y/N

2. MOTOR GRADER, 155-175HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
Manufacturer's Literature, authority and specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)

1. GENERAL

a)	A Standard production, diesel powered, six wheeled, tandem drive, motor grader, of latest design in class, robust construction, of proven performance and 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)	Any item 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 AND WEIGHTS

a)	Overall length, (exclusive of the ripper length), approx.	8,300mm	..... mm
b)	Overall width, approx.	2,400mm	..... mm
c)	Overall height, approx.	3,100mm	..... mm
d)	Wheelbase, approx.	5,800mm	..... mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
e) Basic operating weight range.	12.6- 14.6 Ton.	..... Ton.
f) Blade width, approx.	3700mm	-----mm
g) Blade load, approx.	60KN	..... KN
f) Blade cutting depth minimum.	100mm (Mandatory)	-----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 Stroke.	Yes, Yes. Yes	.....(Y/N)
f) Mode of aspiration	Turbocharged mandatory	.....(Y/N)
g) Piston displacement, approx.	Specify	..... cc
h) Number of cylinders.	6	..... no.
I) Flywheel horsepower (HP/rpm), range	155-175HP	..... HP
	2000-3000 rpm	.....rpm
j) Maximum torque developed min. rpm, approx	600Nm, mandatory	..... Nm
	1500 rpm	..... rpm
k) Air filter, Dry /Oil bath.	Specify	.....
l) Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour
o) Fuel tank capacity, min	280 Lt Lt

4. TRANSMISSION.

a) Transmission Type:	Power shift(Y/N)
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
	(Mandatory)	
b) No. of speeds F/Rminimum	6F/3F (Mandatory)	.....F.....R

5. FRAME

a) Should be flanged, of box-section design	Yes.	.....(Y/N)
b) <u>SECTION DIMENSION</u>		
iii) Width, approx.	280mm	.....mm
iv) Height, approx.	300mm	.....mm

6. AXLES

a) Oscillating type with leaning front axle wheels.	Yes, Yes	.....(Y/N)
b) Tandem roller chain drive, rear axle.	specify	.....

7. WHEELS.

a) Front and rear tires.	Yes	.....(Y/N)
b) Size	Specify	-----x-----
c) To be supplied with 1No. spare wheel	Yes (Mandatory)	.....(Y/N)

8. STEERING.

a) Hydraulic power steering.	Yes	.....(Y/N)
b) Steering range, right or left, approx.	50 degrees	.....degrees
c) Minimum turning radius less than.	7.2 m	..... m
d) Articulation angle, Left/Right	25 degrees	.....degrees

9. BRAKES.

a) Pneumatically/Hydraulically actuated brakes.	specify	.....(Y/N)
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes(Y/N)

10. CIRCLE.

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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
a) Single piece rolled ring forging	Yes	.....(Y/N)
b) Outside diameter, min	1,300mm	..... mm
c) Turning angle.	360 degrees	.....degrees
d) Circle rotation control.	hydraulic	.....(Y/N)

11. MOULDBOARD.

a) Heavily reinforced steel mouldboard, wear resistant length, approx. height, approx. thickness, approx.	3700mm 620mm 20mm	..... mm mm mm
b) High strength cutting edges, replaceable type, width, approx. thickness, approx.	Yes 150mm 16mm	..... mm mm
c) Endbit dimensions: width, approx. thickness, approx.	150mm 16mm	..... mm mm

12. BLADE RANGE.

a) Lift above ground, approx.	415mm	..... mm
b) Drop below ground, approx.	500mm	..... mm
c) Maximum shoulder reach outside of tires, right, left,	specify specify	..... mm mm
d) Max.depth of cut, minimum.	480mm	..... mm
e) Maximum blade position, angle (both sides)	specify	.....degrees
f) Blade base.	Specify	..... mm
g) Circle centre shift. right, left,	specify specify	.....mm.....mm
h) Hydraulically operated blade tilt.	Yes	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
i) Extended blade position.	Yes	.....(Y/N)

13. CAB.

a) Totally enclosed cab with anti-roll bars (ROPS) fitted with lockable doors and safety- glass all round -360 degree visibility	Yes mandatory(Y/N)
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14. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes(Y/N)
b) Alternator charging.	Yes	.....(Y/N)
c) Battery capacity, approx.	specify	..... AH
d) Standard instruments and gauges:		
i) Speedometer	Yes	.....(Y/N)
ii) Servicemeter-tamper proof , with memory and data retrievable	Yes	.....(Y/N)
iii) Engine oil pressure gauge.	Yes	.....(Y/N)
iv) Water temperature gauge.	Yes	.....(Y/N)
v) Panel lamps.	Yes	.....(Y/N)
vi) Battery charge lamp.	Yes	.....(Y/N)
vii) Fuel gauge.	Yes	.....(Y/N)
viii) Two head and rear lights.	Yes	.....(Y/N)
ix) Stop & turning signal lights.	Yes	.....(Y/N)
x) Revolving flasher mounted on top of cab.	Yes(Mandatory)	.....(Y/N)

15. EQUIPMENT AND ACCESSORIES.

a) Manufacturer's complete tools, kit supplied.	Yes (Mandatory)	.....(Y/N)
b) Comprehensive list of standard and specialized tools to be supplied with the grader to be attached	Yes (Mandatory)	.....(Y/N)
c) Reflective chevrons at rear, licence		

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)
d) Ripper attached	Yes (Mandatory)	.....(Y/N)
e) Scarifier attached	Yes (Mandatory)	.....(Y/N)
f) Fitted with compressor and air pressure line with pipe for tyre inflation/equivalent.	Yes (Mandatory)	.....(Y/N)
g) Fitted with a protection plate for the engine/transmission	Yes (Mandatory)	.....(Y/N)
h) Air conditioning system	Yes (Mandatory)	.....(Y/N)
i) FM radio with CD player	Yes (Mandatory)	.....(Y/N)

16. WARRANTY

a) Grader supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)
b) Grader warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours

17. MANUALS

a) All literature in English language	Yes (Mandatory)	.....(Y/N)
b) Operator's Manual, warranty and service manual, supplied.	1 per Grader (Mandatory)	.....(Y/N)
b) Repair Manual/CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)
c) Parts catalogue /CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)

18 OTHER REQUIREMENTS

a) Grader to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	.....(Y/N)
b) Grader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition have demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate motor dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)

19. SERVICE PARTS FOR 2000HRS OF OPERATION

xv) Oil filter - 5No.	Yes (Mandatory)	.....Y/N
xvi) Diesel Filter primary – 5No.	Yes (Mandatory)	.....Y/N
xvii) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N
xviii) Outer Air Cleaner – 3No.	Yes (Mandatory)	.....Y/N
xix) Inner Air Cleaner – 3No.	Yes (Mandatory)	.....Y/N
xx) Hydraulic Filler – 3No.	Yes (Mandatory)	.....Y/N
xxi) Transmission Filter -3No.	Yes (Mandatory)	.....Y/N
viii) Fan Belt set – 2No.	Yes (Mandatory)	.....Y/N
ix) Diesel filter secondary-5No..	Yes(Mandatory)	.....Y/N

<p>x) Heavy duty Greasing gun, bucket type -2No.</p> <p>xi)Cutting edges , 2sets</p> <p>xii)End bits, 2sets</p>	<p>Yes (Mandatory)</p> <p>Yes (Mandatory)</p> <p>Yes (Mandatory)</p>	<p>.....Y/N</p> <p>.....Y/N</p> <p>.....Y/N</p>
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3. MOTOR GRADER, 205-230HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
Manufacturer's Literature, authority and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)

1. GENERAL

a) A Standard production, diesel powered, six wheeled, tandem drive, motor grader of latest design in class, robust construction and of proven performance 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 and rugged terrains; for maintenance of hard packed roads with embedded rock, heavy fill spreading, ripping/scarifying of asphalt or concrete and be a motor grader capable of delivering continuous high load factor.	Yes	.....(Y/N)
d) Any item not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be included / fitted.	Yes(Y/N)

2. DIMENSIONS AND WEIGHTS

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TENDERER'S SPECIFICATION Column to be completed by ALL

	SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
a)	Overall length, (exclusive of the ripper length), approx.	8,400-9,000mm	..... mm
b)	Overall width, approx.	2,700mm	..... mm
c)	Overall height, approx.	3,100-3,400mm	..... mm
d)	Wheelbase, approx.	5,900-6,600mm	..... mm
e)	Basic operating weight, approx.	15 - 18Tons.	..... Ton.
f)	Blade width, approx.	4000mm	-----mm
g)	Blade load, approx.	Specify	..... Kgf

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, Turbocharged.	Yes (Mandatory)	.....(Y/N)
g)	Piston displacement, approx.	Specify	..... cc
h)	Number of cylinders.	6	..... no.
l)	Flywheel horsepower (HP/rpm), range (Gross power min.)	205-230HP	..... HP
		2000-3000 rpm	.....rpm
j)	Maximum torque developed NM/ minimum. rpm, approx	950Nm	..... Nm
		1300 Rpm	..... rpm
k)	Air filter, Dry /Oil bath.	Specify	.....
l	Oil and fuel filter type	Disposable	.....

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour
o) Fuel tank capacity, min	340 Lt	..... Lt

4. TRANSMISSION.

a) Transmission Type:	Power shift (Mandatory)	.....(Y/N)
b) No. of speeds, min.	6F 3R (Mandatory)	.....F.....R

5. HYDRAULICS

d) Pump output – approx	1500Lts/Min	.....Lt/Min
e) Standby Pressure Approx	3MPA	.....Mpa
f) System Pressure, Max	20Mpa	.....Mpa

6. FRAME

a) Should be flanged, of box-section design	Yes.	.....(Y/N)
b) <u>SECTION DIMENTION</u>		
v) Width, approx.	280mm	.....mm
vi) Height, approx.	300mm	.....mm

7. AXLES

a) Oscillating type with leaning front axle wheels.	Yes, Yes	.....(Y/N)
b) Tandem roller chain drive, rear axle.	specify	.....

8. WHEELS.

a) Front and rear tires.	Yes	.....(Y/N)
b) Size	Specify	-----x-----

9. STEERING.

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
a) Hydraulic power steering.	Yes	.....(Y/N)
b) Steering range, right or left, approx.	45 degrees	.....degrees
c) Minimum turning radius.	7.2 m	..... m
d) Articulation angle, Left/Right	25 degrees	.....degrees

10. BRAKES.

a) Pneumatically/Hydraulically actuated brakes.	specify	.....(Y/N)
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)

11. CIRCLE.

a) Single piece rolled ring forging	Yes	.....(Y/N)
b) Outside diameter,	1,300mm	..... mm
c) Turning angle.	360 degrees	.....degrees
d) Circle rotation control.	hydraulic	.....(Y/N)

12. MOULDBOARD.

a) Heavily reinforced steel mouldboard, wear resistant length, approx. height, approx. thickness, approx.	3700mm 620mm 20mm	..... mm mm mm
b) High strength cutting edges, replaceable type, width, approx. thickness, approx.	Yes 150mm 16mm	..... mm mm
c) Endbit dimensions: width, approx. thickness, approx.	150mm 16mm mm mm

13. BLADE RANGE.

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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
a) Lift above ground, approx.	400mm	..... mm
b) Drop below ground, approx.	500mm	..... mm
c) Maximum shoulder reach outside of tires, right, left,	specify specify	..... mm mm
d) Max.depth of cut, approx.	specify	..... mm
e) Maximum blade position, angle (both sides)	specify	.....degrees
f) Blade base.	Specify	..... mm
g) Circle centre shift. right, left,	specify specify	.....mm.....mm
h) Hydraulically operated blade tilt.	Yes (Mandatory)	.....(Y/N)
i) Extended blade position.	Yes	.....(Y/N)

14. CAB.

a) Totally enclosed ROPS cab fitted with lockable doors and safety- glass all round -360 degree visibility	Yes (Mandatory)(Y/N)
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15. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes(Y/N)
b) Alternator charging.	Yes	.....(Y/N)
c) Battery capacity, approx.	specify	..... AH
d) Standard instruments and gauges:		
i) Speedometer	Yes	.....(Y/N)
ii) Servicemeter-tamper proof, with memory and data retrievable	Yes	.....(Y/N)
iii) Engine oil pressure gauge.	Yes	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
iv) Water temperature gauge.	Yes	.....(Y/N)
v) Panel lamps.	Yes	.....(Y/N)
vi) Battery charge lamp.	Yes	.....(Y/N)
vii) Fuel gauge.	Yes	.....(Y/N)
viii) Two head and rear lights.	Yes	.....(Y/N)
ix) Stop & turning signal lights.	Yes	.....(Y/N)
x) Revolving flasher mounted on top of cab.	Yes(Mandatory)	.....(Y/N)

16. EQUIPMENT AND ACCESSORIES.

a) Manufacturer's complete tools, kit supplied.	Yes (Mandatory)	.....(Y/N)
b) Comprehensive list of standard and specialized tools to be supplied with the grader to be attached.	Yes (Mandatory)	.....(Y/N)
c) Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)
d) Ripper attached	Yes (Mandatory)	.....(Y/N)
e) Scarifier/equivalent attached	Yes (Mandatory)	.....(Y/N)
f) With compressor and air pressure line with pipe for tyre Inflation/equivalent	Yes (Mandatory)	.....(Y/N)
g) To be supplied with 1No. Spare wheel.	Yes (Mandatory)	.....(Y/N)
h) Air conditioning system	Yes (Mandatory)	.....(Y/N)
i) FM radio with CD player	Yes (Mandatory)	.....(Y/N)

17. WARRANTY

a) Grader supplied should carry a statement of warranty.	Yes (Mandatory)(Y/N)
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
b) Grader warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours

18. MANUALS

a) All literature in English language	Yes	.....(Y/N)
b) Operator's Manual, supplied.	1 per Grader	.....(Y/N)
b) Shop Manual/CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)
c) Parts catalogue /CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)

19 OTHER REQUIREMENT

a) Grader to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	.....(Y/N)
b) Grader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	.....(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition be of demonstrable capacity to offer after sales back-up service and any other technical support.	Yes Specify whether agent/dealer	.....(Y/N) -----
d) Availability of spare parts.	Indicate motor dealers who stock spare parts.	-----
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- -----

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
f) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)

19. SERVICE PARTS FOR 2000HRS OF OPERATION

xxii) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
xxiii) Diesel Filter-primary – 10No.	Yes (Mandatory)	.....Y/N
xxiv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N
xxv) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
xxvi) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
xxvii) Hydraulic Filter – 3No.	Yes (Mandatory)	.....Y/N
xxviii) Transmission Filter - 3No.	Yes (Mandatory)	.....Y/N
viii) Fan Belt set – 2No.	Yes(Mandatory)	.....Y/N
ix) Cutting edges – 5 sets.	Yes (Mandatory)	.....Y/N
x) Greasing gun heavy duty-1No.	Yes (Mandatory)	.....Y/N
xi) Diesel Filter- secondary – 10No.	Yes(Mandatory) Yes (Mandatory)	.....Y/N.....Y/N
xii) Heavy duty Greasing gun, bucket type -2No.	Yes (Mandatory)	.....Y/N
xiii) Cutting edges , 3sets		
xiv) End bits, 2sets		

❖ LOADERS

1. WHEELED BACKHOE LOADER, MEDIUM DUTY

TENDERER'S Column to be completed by tenderer

	SPECIFICATION	REQUIRED	TENDERER'S
	Make	-	
	Model	-	
	Country of origin	-	
	Manufacturer's literature, authority and specifications supplied.	Yes, mandatory	(Y/N)
1.	<u>GENERAL</u>		
a)	A standard production, wheeled backhoe loader , medium duty, 80HP, of latest design in current production, of proven performance.	Yes, Yes, Yes	(Y/N)
b)	Supplied new.	Yes	(Y/N)
c)	Designed to medium duty export specifications, capable of operating in tropical conditions.	Yes	(Y/N)
d)	With a front loader and a rear excavator equipment	Yes	(Y/N)
e)	Suitable for a multipurpose work such as digging, grading, dozing, loading, backfilling, trench making, cleaning.	Yes, Yes, Yes	(Y/N)
f)	Any other item necessary for optimum efficiency or use of equipment as per the manufacturers design to be fitted.	specify	
2.	<u>SHIPPING DIMENSIONS</u>		

	SPECIFICATION	REQUIRED	TENDERER'S
a)	Overall length(with bucket extended and touching ground and excavator retracted), approx.	6,000 mm	.....mm
b)	Rear frame width(excavator retracted), approx.	2,350mm	.....mm
c)	Shovel width(bucket folded down), approx.	2,350mm	.....mm
d)	Total travel clearance, approx.	3,500 mm	.....mm
e)	Cab height, approx.	3,000 mm	.....mm
f)	Ground clearance, min.	300 mm	.....mm
g)	Wheel base, approx.	2,200mm	.....mm
h)	Tail swing radius, approx.	specify	.....mm
i)	Operating weight, approx.	8,000kg	.....Kg

3. ENGINE

a)	Make	-	
b)	Model	-	
c)	Country of origin	-	
d)	4-cycle, water-cooled, direct injection	Yes	(Y/N)
e)	Mode of aspiration	Natural/Turbo	(Y/N)
f)	No. of cylinders	4/6	----
g)	Engine capacity	4,000-8,000 cc	cc
h)	Maximum Rated Power	80HP/2200rpm	-----HP/----rpm
i)	Maximum Rated Torque,		Nm/rpm

	SPECIFICATION	REQUIRED	TENDERER'S
	min.	310Nm/1400rpm	
j)	Max. loader capacity, approx.	1.0m ³	.....m ³
k)	Max. backhoe digging depth	4,000mm	---mm

4. WORKING RANGE LOADER

a)	Max. dump height, approx.	2700mm	.....mm
b)	Max. loading height, approx.	3,200mm	.....mm
c)	Max. digging depth, approx.	50mm	.....mm
d)	Loader breakout at bucket(Bucket digging force), approx.	65kN	.....kN
e)	Loader breakout-arm(Arm digging force), approx.	45kN	.....kN
f)	Lift force capacity to full height approx.	32KN	
g)	Bucket capacity, approx.	1.0m ³	.....m ³
h)	Bucket width.	2350mm	
i)	Max. reach at full height approx.	1100mm	-----mm
j)	Reach at full height fully dumped approx.	750mm	-----mm
k)	Reach at ground(toe plate horizontal) approx.	1350mm	-----mm
l)	Rollback angle at ground approx.	45 ⁰	----- ⁰

	SPECIFICATION	REQUIRED	TENDERER'S
m)	Dump angle approx.	45 ⁰	----- ⁰
5.	WORKING RANGE - BACKHOE		
a)	Excavator bucket width approx.	600mm	.....mm
b)	Max. digging depth, approx.	4,000mm	.....mm
c)	Max. reach-ground level to rear wheel centre approx.	6,700mm	.....mm
d)	Side reach to centre line of machine	5,900mm	.....mm
e)	Operating height approx.	5,400mm	.....mm
f)	Bucket tear out (digging force), approx.	55kN	.....kN
g)	Dipper tearout (arm digging force), approx.	40kN	.....kN
h)	Lift capacity of bucket pivot at full reach.	1400Kg.	-----Kg.
i)	Bucket capacity, approx.	0.20m ³	.....m ³
j)	Max. loadover height approx.	3,800mm	.....mm
k)	Bucket rotation approx.	200 ⁰	----- ⁰

6.	<u>HYDRAULIC SYSTEM</u>		
a)	Type of hydraulic circuit system	specify	.....
b)	Main pump output, approx.	70 l/min	.....l/min
c)	Max. pressure, approx. Implements,	Specify	.....bar.....bar.....bar

	SPECIFICATION	REQUIRED	TENDERER'S
	Travel, Swing, Pilot circuits.		.....bar
d)	Main relief valve setting	specify	-----Bar
e)	Backhoe and loader working pressure approx.	250bar	-----Bar

7. DRIVE, BRAKES, UNDERBODY ETC

a)	Steering control	Hydrostatic	.....Y/N
b)	Max. drawbar pull, approx.	115kN	.....KN
c)	Max. travel speed, approx.	30km/h	.....Km/h
d)	Service brake system	Specify	.....
e)	Parking brake system.	Specify	.....
f)	Robust undercarriage with torsion free chassis	Specify	.....
g)	Rear drive axle Oscillating front drive axle	Specify	..........
h)	With stabilisers	Yes Specify type/No	.....Y/N
i)	Tyres 4No and 1No spare.	Specify size	Front..... Rear..... Spare.....

	SPECIFICATION	REQUIRED	TENDERER'S
8.	COOLANT & LUBRICANT CAPACITY		
a)	Fuel tank, approx.	160Lts	..... Lts
b)	Cooling system	18Lts	.....Lts
c)	Engine oil, approx.	15Lts	.....Lts
d)	Power shift transmission, approx.	16Lts	.....Lts
e)	Hydraulic system (including tank) approx.	130Lts	.....Lts
f)	Rear axle approx.	16Lts	.....Lts
g)	Front drive axle approx.	16Lts	.....Lts
9.	OPERATOR'S STATION		
a)	ROPs cab with operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N
b)	Cab hydraulically damped and safety glass windows fitted.	Yes	.....Y/N
10	EQUIPMENT (OR ACCESSORIES) ETC.		
a)	Revolving beacon or flashing lights fitted	Yes (Mandatory)	.....Y/N
b)	To supply a suitable breaker set assembly (machine itself to have breaker line system) .	Yes (Mandatory) Give details of breaker: MakeY/N -----

	SPECIFICATION	REQUIRED	TENDERER'S
		Type Diameter	

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WARRANTY

a)	Specimen of machine warranty to be submitted when tendering.	YesY/N
b)	Each machine supplied to carry a statement of warranty.	Yes (Mandatory)Y/N
c)	Machine warranty min.	Specify

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MANUALS

a)	All literature in English language.	YesY/N
b)	Shop manual supplied.	1 per machine (Mandatory)Y/N
c)	Parts catalogue supplied.	1 per machine (Mandatory)	.....Y/N
d)	Operator's handbook and service schedule supplied.	1 per machine (Mandatory)Y/N

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OTHER REQUIREMENT

a)	Equipment to be registered by the Registrar of Motor Vehicles on being certified to be compliant with the Traffic Act CAP 403 by the Certifying Officer before delivery to CM&TE	Yes (Mandatory)	_____(Y/N)
b)	Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)

	SPECIFICATION	REQUIRED	TENDERER'S
	and other attachments		
c)	Adequate training on the operation and daily maintenance of machine to be provided at the time of acceptance by technical experts from the manufacturer or agent	Yes (Mandatory)	_____(Y/N)
d)	Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
e)	Availability of spare parts.	Indicate motor dealers who stock spare parts.	----- -----
f)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- -----

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	..... Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	..... Y/N
iii) Diesel Filter secondary –	Yes (Mandatory)	..... Y/N

10No.	Yes (Mandatory)	..... Y/N
iv) Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N
vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N
vii) Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N
viii) Transmission Filter -10No.	Yes (Mandatory)	..... Y/N
ix) Fan belt sets – 3No.	Yes (Mandatory)	..... Y/N
x) Travel motor seals -4sets.	Yes (Mandatory)	..... Y/N
xi) Greasing gun bucket type-1No.	Yes (Mandatory)	..... Y/N
xii) Bucket tips – 3 sets	Yes (Mandatory)	..... Y/N
<u>TENDERER / S REMARKS</u>		

2. WHEEL LOADER, 2.4 – 2.8m³, 140-175HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S LITERATURE/SPECIFICATIONS, AUTHORITY AND PERFORMANCE HANDBOOK SUPPLIED	Yes mandatory	.....(Y/N)

1. GENERAL

a) A Standard production, all purpose wheel loader, of latest design, robust construction, of proven performance and 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) Any item 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 AND WEIGHTS

a) Overall length (bucket on ground), approx.	7,000-8,000mm	..... mm
b) Overall width approx.	3,000mm	..... mm
c) Overall height (bucket on ground), approx..	3,400mm	..... mm
d) Bucket width, approx.	2,500-3,200mm	..... mm
e) Wheelbase, approx.	3,200mm	..... mm.
f) Turning radius (outside corner of	6000mm	-----mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
bucket), approx..		
g) Ground clearance, approx.	400mm	..... mm
h) Operating weight approx.	14,000-17,000Kg	.....Kg

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)
e) 4 Stroke, 6 cylinder, direct injection, water cooled, Diesel Engine.	Yes, Yes. Yes	.....(Y/N)
f) Piston displacement, approx	Specify	.....cc
g) Flywheel power/ r.p.m , min.	150-200HP	
h) Max. torque minimum.	700NM/1300rpm	-----
I) Turbocharged engine.	Yes	.....(Y/N)
j) Disposable air cleaner with clogging indicator	Yes	.....(Y/N)
k) Fuel tank capacity.	190Lt	

4. TRANSMISSION, POWER TRAIN AND AXLES.

a) Transmission type.	Hydro shift	.....
b) Torque converter type.	Yes	.....(Y/N)
c) Drive, 4x4.	Specify	.....(Y/N)
d) Torque multiplication.	Specify	.....
e) Axles, four wheel drive, front axle fixed	Yes, Yes, Yes	.....(Y/N)
f) Rear axle oscillation, minimum	Specify	.....(Y/N)
g) Vertical travel at centre of tyre, min	Specify	.....mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S

5. STEERING.

a) Full power steering, frame articulated with 40 deg. Minimum turn in each direction.	Yes, Yes, Yes	.....(Y/N)
b) Steering pump type, steering hydraulic circuit (at governed engine speed and relief pressure) approx..	Specify	.....
c) Minimum relief pressure approx.	Specify	.....
d) Minimum turning radius	6 000 mm	.....mm

6. HYDRAULIC SYSTEM

a) Controls-Hand operated levers for bucket Boom positions- Raise, hold, down (pressure and float) Bucket positions – Rollback, hold and pump	Yes Yes Yes	.....(Y/N) .....(Y/N) .....(Y/N)
b) Loader hydraulic operating at full throttle, fully loaded. Raise boom, maximum time Lower boom, maximum time.	6.0 sec 5.0 sec	..... sec.....sec
c) Main hydraulic pump type.	Specify	
d) Main hydraulic output at governed speed and relief valve pressure, approx..	145 L/min	.....L/min
e) Relief valve pressure setting, approx.	20 MPa	..... MPa
f) Cylinders(bore x stroke) Specify dimensions for Lift ----- -----x----- Tilt cylinders ----- -----x-----	Specify dimension	-----x----- -----x-----

7. BRAKES AND TYRES.

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TENDERER'S SPECIFICATION Column to be completed by ALL

	SPECIFICATION	REQUIREMENT	TENDERER'S
a)	Service brakes- power actuated 4 wheel inboard mounted Brake type, disc (dry, wet) etc 2 brake pedals by selectable switch	Yes, Yes, Yes Specify Yes	.....(Y/N) ..... .....(Y/N)
b)	Parking brake type with warning light on dash.	Yes	.....(Y/N)
c)	Tyre Size Locally available	specify Yes	..... .....(Y/N)
d)	Complete spare wheel supplied	Yes (Mandatory)	.....(Y/N)

8. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage.	24Volts	.....Volts
b)	Battery capacity	2x12 Volts	.....
c)	Alternator, approx.	50 Amps	..... Amps
d)	Gauges- coolant temperature, hour meter, engine oil pressure, fuel level, transmission oil temperature and pressure and ammeter	Yes(Y/N)

9. BUCKET

a)	Capacity, heaped	2.4-3.0m ³m ³
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10. CANOPY

a)	Enclosed cab ROPS Standard	ISO 3471-1980 or Equivalent (Mandatory)(Y/N)
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11. WARRANTY

a)	Each wheel loader supplied should carry a statement of warranty.	Yes (Mandatory)(Y/N)
b)	Wheel loader warranty min., 1500Hrs or 1 year whichever comes first	specify Hours

12. MANUALS

a)	All literature in English language	Yes(Y/N)
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
b) Operator's, warranty and service Manual, supplied.	1 per wheel loader	.....(Y/N)
b) Shop Manual book/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)
c) Parts catalogue book /CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)

13 OTHER REQUIREMENT

a) Wheel loader to be registered by the Registrar of Motor Vehicles before delivery to CM&TE.	Yes (Mandatory)	.....(Y/N)
b) Wheel loader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	.....(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable ability to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	.....(Y/N) -----
d) Availability of spare parts.	Indicate equipment dealers who stock 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) Adequate training on the operation and maintenance of Machine to be provided at the time of acceptance by technical experts from the manufacturer	Yes (Mandatory)	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
or agents		
g) Manufacturers standard tools to be supplied	Yes (Mandatory)	
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION		
i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N
iv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N
v) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
vi) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
vii) Hydraulic Filter – 5No.	Yes (Mandatory)	.....Y/N
viii) Transmission Filter -5No.	Yes (Mandatory)	.....Y/N
ix) Fan Belt set – 3Set.	Yes(Mandatory)	.....Y/N
x) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N
<u>TENDERER' S REMARKS</u>		

3. WHEEL LOADER, 3.0 – 5.0m³, 215-240HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S LITERATURE/SPECIFICATIONS, AUTHORITY AND PERFORMANCE HANDBOOK SUPPLIED	Yes	.....(Y/N)

1. GENERAL

a)	A Standard production, all purpose wheel loader, of latest design, robust construction, 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)	Any item 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 AND WEIGHTS

a)	Overall length (bucket on ground), approx.	8,000-9,000mm	..... mm
b)	Overall width , approx.	3, 000mm	..... mm
c)	Overall height , approx.,	3,500mm	..... mm
d)	Bucket width, approx.	2,500-3,100mm	..... mm
e)	Wheelbase, approx.	3,400mm	..... mm.
f)	Turning radius (outside corner of bucket), approx..	6000mm	-----mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
g) Ground clearance, approx.	500mm	..... mm
h) Operating weight .	18,000-22,000Kg	.....Kg

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)
e) 4 Stroke, 6 cylinder, direct injection, water cooled, Diesel Engine.	Yes, Yes, Yes	.....(Y/N)
f) Piston displacement, approx	Specify	.....cc
g) Flywheel power/ r.p.m , min.	215-240HP/2200rpm	.....
h) Max. torque/rpm min.	900NM/1400rpm	.....
I) Turbocharged/ Naturally aspirated engine.	Specify	
j) Disposable air cleaner with clogging indicator	Yes	
k) Fuel tank capacity approx.	300Lt	

4. TRANSMISSION, POWER TRAIN AND AXLES.

a) Transmission type.	Hydro shift	
b) Torque converter type.	Yes	
c) Drive, 4x4.	Specify	.....(Y/N)
d) Torque multiplication.	Specify	.....
e) Axles, four wheel drive, front axle fixed .	Yes, Yes, Yes	.....(Y/N)
f) Rear axle oscillation, minimum	Specify	.....(Y/N)
g) Vertical travel at centre of tyre .	Specify	.....mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
5. STEERING.		
a) Full power steering, frame articulated with 40 deg. Minimum turn in each direction.	Yes, Yes, Yes	.....(Y/N)
b) Steering pump type, steering hydraulic circuit (at governed engine speed and relief pressure) approx..	Specify	.....
c) Minimum relief pressure approx.	Specify	.....
d) Minimum turning radius	8, 000 mm	.....mm
6. HYDRAULIC SYSTEM		
a) Controls-Hand operated levers for bucket Boom positions- Raise, hold, down (pressure and float) Bucket positions – Rollback, hold and pump	Yes Yes Yes	.....(Y/N) .....(Y/N) .....(Y/N)
b) Loader hydraulic operating at full throttle, fully loaded. Raise boom, maximum time Lower boom, maximum time.	7.0 sec 4.0 sec	..... sec.....sec
c) Main hydraulic pump type.	Specify	
d) Main hydraulic output at governed speed and relief valve pressure, approx..	250 L/min	.....L/min
e) Relief valve pressure setting, approx.	20 MPa	..... MPa
f) Cylinders(bore x stroke) Specify dimensions for Lift ----- -----x----- Tilt cylinders ----- -----x-----	Specify dimension	. .. .... -x- -----x-----
7. BRAKES AND TYRES.		
a) Service brakes- power actuated 4 wheel inboard mounted Brake type, disc (dry, wet) etc	Yes, Yes, Yes Specify Yes	.....(Y/N) ..... .....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
2 brake pedals by selectable switch		
b) Parking brake type with warning light on dash.	Yes	.....(Y/N)
c) Tyre type Tyre (including spare) locally manufactured Optimum tyre size	specify Yes specify	..... .....(Y/N)
d) T o be supplied with 1No. spare wheel	Yes (Mandatory)	.....(Y/N)

8. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage.	24Volts	.....Volts
b) Battery capacity	2x12 Volts	.....
c) Alternator, approx.	50 Amps	..... Amps
d) Gauges- coolant temperature, hour meter, engine oil pressure, fuel level, transmission oil temperature and pressure and ammeter	Yes	.....(Y/N)

9. BUCKET .

a) Bucket make and model.	-	.....
b) Country of origin	-	.....
c) Capacity, heaped	3.0-5.5m ³	.....m ³
d) Digging depth approx.	120mm	-----mm

10. CANOPY

a) ROPS Standard	ISO 3471-1980 or Equivalent(Y/N)
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11. WARRANTY

a) Each wheel loader supplied should carry a statement of warranty.	Yes (Mandatory)(Y/N)
b) Wheel loader warranty min., 2000Hrs or 1 year whichever comes first	specify	..... Hours

12. MANUALS

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
a) All literature in the English language	Yes	.....(Y/N)
b) Operator's Manual/CD, supplied.	1 per wheel loader	.....(Y/N)
b) Repair Manual/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)
c) Parts catalogue/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)

13 OTHER REQUIREMENT

a) Wheel loader to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)
b) Wheel loader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate motor dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
14. SERVICE PARTS FOR 2000HRS OF OPERATION		

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N
iv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vii) Hydraulic Filter – 5No.	Yes (Mandatory)	.....Y/N
viii) Transmission Filter -5No.	Yes (Mandatory)	.....Y/N
ix) Fan Belt set – 3No.	Yes(Mandatory)	.....Y/N
x) Hub oil seal kit – 4 sets	Yes (Mandatory)	.....Y/N
xi) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N
xii) Bucket tips – 5 sets	Yes (Mandatory)	.....Y/N
xiii) Bucket cylinder seal kit – 2 sets	Yes (Mandatory)	.....Y/N
xiv) Lift cylinder seal kit – 2 sets	Yes(Mandatory)	.....Y/N
xv) Steering cylinder seal kit-2 sets	Yes(Mandatory)	.....Y/N
	<u>TENDERER'S REMARKS</u>	

4. WHEEL LOADER, MEDIUM DUTY, 1.2 – 1.7m³

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
MAKE	-	
MODEL	-	
COUNTRY OF ORIGIN	-	
MANUFACTURER'S LITERATURE/SPECIFICATIONS, AUTHORITY AND PERFORMANCE HANDBOOK SUPPLIED	Yes mandatory	.....(Y/N)

1. GENERAL

a) A Standard production, all purpose wheel loader, of latest design, robust construction, of proven performance and in current production	Yes, Yes, Yes	.....(Y/N)
b) Supplied new.	Yes	.....(Y/N)
c) Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)
d) Any item not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes mandatory	.....(Y/N)

2. DIMENSIONS AND WEIGHTS

a) Overall length (bucket on ground), approx.	7,000mm	..... mm
b) Overall width (bucket in full raise), approx.	2 500mm	..... mm
c) Overall height (bucket on ground), approx., min.	3,100mm	..... mm
d) Bucket width, approx.	2,500mm	..... mm

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
e) Wheelbase, approx.	2,700mm	..... mm.
f) Turning radius (outside corner of bucket), approx..	6,000mm	-----mm
g) Ground clearance, approx.	340mm	..... mm
h) Operating weight approx.	10,000Kg	.....Kg

3. ENGINE

a) Make	-	
b) Model	-	
c) Country of origin	-	
d) Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)
e) 4 Stroke, 6 cylinder, direct injection, water cooled, Diesel Engine.	Yes, Yes, Yes	.....(Y/N)
f) Piston displacement, approx	Specify	.....cc
g) Flywheel power/ r.p.m , min.	110-150HP	
h) Max. torque minimum.	500NM/1300rpm	-----
I) Turbocharged engine.	Yes	.....(Y/N)
j) Disposable air cleaner with clogging indicator	Yes	.....(Y/N)
k) Disposable Oil and fuel tank capacity.	150Lt	

4. TRANSMISSION, POWER TRAIN AND AXLES.

a) Transmission type.	Hydro shift	.....(Y/N)
b) Torque converter type.	Yes	.....(Y/N)
c) Drive, 4x4.	Specify	.....(Y/N)
d) Torque multiplication.	Specify	.....
e) Axles, four wheel drive, front axle fixed .	Yes, Yes, Yes	.....(Y/N)

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
f) Rear axle oscillation, minimum	Specify	.....(Y/N
g) Vertical travel at centre of tyre, min	Specify	.....mm

5. STEERING.

a) Full power steering, frame articulated with 40 deg. Minimum turn in each direction.	Yes, Yes, Yes	.....(Y/N)
b) Steering pump type, steering hydraulic circuit (at governed engine speed and relief pressure) approx..	Specify	.....
c) Minimum relief pressure approx.	Specify	.....
d) Minimum turning radius	6 000 mm	.....mm

6. HYDRAULIC SYSTEM

a) Controls-Hand operated levers for bucket Boom positions- Raise, hold, down (pressure and float) Bucket positions – Rollback, hold and pump	Yes Yes Yes	.....(Y/N) .....(Y/N) .....(Y/N)
b) Loader hydraulic operating at full throttle, fully loaded. Raise boom, maximum time Lower boom, maximum time.	5.5 sec 3.0 sec	..... sec.....sec
c) Main hydraulic pump type.	Specify	
d) Main hydraulic output at governed speed and relief valve pressure, approx..	145 L/min	.....L/min
e) Relief valve pressure setting, approx.	20 MPa	..... MPa

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
f) Cylinders(bore x stroke) Specify dimensions for Lift ----- ----- x----- Tilt cylinders ----- ----- x-----	Specify dimension	-----x----- -----x-----

7. BRAKES AND TYRES.

a) Service brakes- power actuated 4 wheel inboard mounted Brake type, disc (dry, wet) etc 2 brake pedals by selectable switch	Yes, Yes, Yes Specify Yes	.....(Y/N) ..... .....(Y/N)
b) Parking brake type with warning light on dash.	Yes	.....(Y/N)
c) Tyre Size Locally available	specify Yes	..... .....(Y/N)
d) Complete spare wheel supplied	Yes (Mandatory)	.....(Y/N)

8. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage.	24Volts	.....Volts
b) Battery capacity	2x12 Volts	.....
c) Alternator, approx.	50 Amps	..... Amps
d) Gauges- coolant temperature, hour meter, engine oil pressure, fuel level, transmission oil temperature and pressure and ammeter	Yes(Y/N)

9. BUCKET

a) Capacity, heaped, minimum	1.7m ³m ³
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10. CANOPY

a) Enclosed cab ROPS Standard	ISO 3471-1980 or Equivalent (Mandatory)/(Y/N)
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
	equivalent	

11. WARRANTY

a) Each wheel loader supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)
b) Wheel loader warranty min., 2000Hrs or 1 year whichever comes first	specify	..... Hours

12. MANUALS

a) All literature in English language	Yes	.....(Y/N)
b) Operator's, warranty and service Manual, supplied.	1 per wheel loader	.....(Y/N)
b) Shop Manual book/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)
c) Parts catalogue book /CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)

13 OTHER REQUIREMENT

a) Wheel loader to be registered by the Registrar of Motor Vehicles before delivery to CM&TE.	Yes (Mandatory)	_____(Y/N)
b) Wheel loader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable ability to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate equipment	-----

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S
	dealers who stock 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) Adequate training on the operation and maintenance of Machine to be provided at the time of acceptance by technical experts from the manufacturer or agents	Yes (Mandatory)	_____(Y/N)
g) Manufacturers standard tools to be supplied	Yes (Mandatory)	
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N
iv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N
v) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
vi) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N
vii) Hydraulic Filter – 5No.	Yes (Mandatory)	.....Y/N
viii) Transmission Filter -5No.	Yes (Mandatory)	.....Y/N

ix) Fan Belt set – 3Set.	Yes(Mandatory)	.....Y/N
x) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N

❖ ROLLERS

1. DRUM ROLLER, VIBRATORY, SELF PROPELLED, 10 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated vibrating roller of latest design, in current production.	Yes, Yes, Yes	------(Y/N)
b)	Supplied new, unused.	Yes	------(Y/N)
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)
d)	Most suitable for soil/gravel compaction	Yes	------(Y/N)

2. DIMENSIONS.

a)	Overall length, approx.	5,500 mm	----- mm
b)	Overall width, approx.	2,300mm	----- mm
c)	Overall height, approx.	3,000 mm	----- mm
d)	Operating weight	10,000Kg	----- Kg
e)	Static linear load, approx.	25 Kg/cm	-----Kg/cm
f)	Wheelbase, approx.	3,000mm	----- mm
g)	Compaction width, approx.	2100mm	-----mm
h)	Ground clearance, approx.	400mm	----- mm

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
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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, 4/6	specify	----- No.
g) Mode of aspiration (Natural/Turbocharged)	Turbocharged	-----
h) Rated power output (HP/rpm), approx.	120Hp/2200	----- Hp/rpm
i) Maximum torque, (Nm/rpm)	specify	-----
j) Air cleaner type replaceable or oil bath.	Oil bath	----- (Y/N)
k) Oil and fuel filter type	disposable	----- (Y/N)
l) Fuel tank capacity, approx.	250 Lt	----- Lt
m) Engine performance curves supplied.	Yes	----- (Y/N)
n) Automatic dust evacuator	Yes	----- (Y/N)
o) Hand throttle	Yes	----- (Y/N)
p) Engine derated to altitude	7000ft ASL	----- (Y/N)
q) Piston displacement, approx.	Specify	.....cc

4. VIBRATORY SYSTEM AND PERFORMANCE.

a) Vibratory system type, hydraulic motor, manually controlled.	specify	-----
b) Vibrator frequency, approx.	30Hz	.....Hz

	SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
c)	Centrifugal force: Minimum, approx Maximum, approx	120 KN 250 KN	.....KN.....KN
d)	Nominal amplitude: High, approx Low, approx	1.70 m 0.85m	-----m -----m
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)
f)	Number of drums.	1	.....No.
g)	Drum diameter, approx.	1500mm	.....mm
h)	Drum width, approx.	2100mm	.....mm
i)	Drum shell thickness, approx.	30mm	.....mm
j)	Static linear drum load, approx.	25 Kg/cm	-----Kg/cm
k)	Gradeability, approx.	45 degrees	.....degrees
l)	Cleaning scraper on drum.	Yes	----- (Y/N)

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	----- (Y/N)
b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	6 Km/h 12 Km/h	.....Km/h.....Km/h

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	----- (Y/N)
b)	Wheel size	specify	-----x-----
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	----- (Y/N)

7 STEERING

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	SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
a)	Frame articulation type.	Yes	------(Y/N)
b)	Hydraulic power steering.	Yes	------(Y/N)
c)	Steering angle approx.	+/- 35 degrees	-----degrees
d)	Turning radius: outside approx. inside approx	3500mm 5600mm	.....mm.....mm
e)	Oscillation angle, approx. (Each direction)	+/- 15 degrees	-----degrees

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS			
a)	Work equipment.		
	Type, variable capacity piston pump.	specify	
	Capacity, approx.	70 lt/min.	.....lt/min
	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.
b)	Steering		
	Gear type.	specify	
	Capacity, approx.	60lt/min	.....Lt/min
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes, Yes, Yes.	------(Y/N)
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10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)
b)	Battery capacity, approx.	140 Ah	.....Ah
c)	Hour meter	Yes	------(Y/N)

SPECIFICATION		REQUIREMENT	TENDERER'S OFFER
d)	Fuel gauge	Yes	------(Y/N)
e)	Water temperature gauge	Yes	------(Y/N)
f)	Panel lamp	Yes	------(Y/N)
g)	Battery charging lamp	Yes	------(Y/N)
h)	Engine oil pressure lamp	Yes	------(Y/N)
i)	Parking brake lamp	Yes	------(Y/N)
j)	Ammeter	Yes	------(Y/N)
k)	Horn	Yes	------(Y/N)

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs

12 MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)
b)	Shop Manual/CD supplied.	One per m/c (Mandatory)	------(Y/N)
c)	Parts catalogue/CD, supplied.	1 set per machine (Mandatory)	------(Y/N)
d)	Operators, warranty and service hand book supplied.	One per m/c (Mandatory)	------(Y/N)
e)	Repair tool kit supplied.	One per m/c (Mandatory)	------(Y/N)
f)	Comprehensive list of standard and specialized tools to be supplied with the roller to be attached.	Yes (Mandatory)	.....(Y/N)

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
13 OTHER REQUIREMENT		
a) Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)
b) Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)
c) Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate equipment dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
g) Adequate training on the operation and maintenance of machine to be provided for one week by experts from the manufacturers or their agents.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary– 10No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
vii)Fan belt set – 3No.	Yes (Mandatory)	.....Y/N
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	.....Y/N
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N
x) Transmission filter-10No.	Yes (Mandatory)	.....Y/N
<u>TENDERER' S REMARKS</u>		

2. PNEUMATIC TYRED ROLLER, 10 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a) A Standard production, pneumatic tyred 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)

2. DIMENSIONS AND WEIGHTS.

a) Overall length, approx.	4,500 mm	----- mm
b) Overall width, approx.	2,000 mm	----- mm
c) Overall height, approx.	3,300 mm	----- mm
d) Operating weight min.	10 Ton.	----- Ton.
e) Wheelbase, approx.	3500 mm	----- mm
f) Cab clearance, approx.	260mm	----- 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, min.	4	----- No.
g)	Piston displacement, approx.	specify	.....cc
h)	Rated power output ,(HP/rpm), approx.	120Hp/2400	----- Hp/rpm
i)	Oil and fuel filter type	disposable	------(Y/N)
j)	Fuel tank capacity, approx.	170 Lt	----- Lt
k)	Engine performance curves supplied.	Yes	------(Y/N)
l)	Automatic dust evacuator	Yes	------(Y/N)
m)	Hand throttle	Yes	------(Y/N)
n)	Engine derated to altitude	7000ft ASL	------(Y/N)
o)	Air cleaner type replaceable or oil bath	Oil bath	------(Y/N)

4 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)
b)	Travel speed at rated RPM forward and reverse, approx. 1st..... 2nd..... 3rd.....	5 Km/h 12 Km/h 22 Km/h	.....Km/h.....Km/h.....Km/h

5 WHEELS

a)	Rear wheels non-skid type	Yes	------(Y/N)
b)	Wheel size	specify	

6 STEERING

a)	Frame articulation type.	Yes	------(Y/N)
----	--------------------------	-----	-------------

b)	Hydraulic power steering.	Yes	------(Y/N)
c)	Steering angle 30 degrees (Both right and left)	Yes	------(Y/N)

7 HYDRAULIC CONTROL UNIT.

OIL PUMPS			
a)	Work equipment.		
b)	Type, variable capacity piston pump.	specify	
c)	Capacity, approx.	70 lt/min.	.....lt/min
d)	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.

8 ELECTRICALSYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)
b)	Battery capacity approx.	130 Ah	.....Ah
c)	Tachometer	Yes	------(Y/N)
d)	Fuel gauge	Yes	------(Y/N)
e)	Water temperature gauge	Yes	------(Y/N)
f)	Panel lamp	Yes	------(Y/N)
g)	Battery charging lamp	Yes	------(Y/N)
h)	Engine oil pressure lamp	Yes	------(Y/N)
i)	Parking brake lamp	Yes	------(Y/N)
j)	Ammeter	Yes	------(Y/N)
k)	Horn	Yes	------(Y/N)

9. WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)
b)	Warranty duration.	12 months or 1000Hrs	-----months

	which ever comes first	----- Hrs
--	------------------------	-----------

10 MANUALS AND EQUIPMENT.

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

12 OTHER REQUIREMENT

a) Roller to be registered by the Registrar of Motor Rollers.	Yes (Mandatory)	_____(Y/N)
b) Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)
c) Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----
d) Availability of spare parts.	Indicate motor roller dealers who stock spare parts.	----- ----- ----- -----
e) Names and addresses of dealers/agents where back-up service can be obtained indicating	Specify	----- ----- -----

the location of the workshops facilities.		-----
f) Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)
g) Adequate training on repairs especially on new models with new technology provided by the experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)

13. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 20No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 20No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary– 20No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 20No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
vii) Fan belt set – 5No.	Yes (Mandatory)	.....Y/N
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	.....Y/N
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N
x) Transmission filter-10No.	Yes (Mandatory)	.....Y/N

TENDERER' S REMARKS

3. DRUM ROLLER, VIBRATORY, SELF PROPELLED, 20 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated vibrating roller of latest design, of proven performance, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Y/N)
b)	Supplied new, unused.	Yes	------(Y/N)
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)
d)	Most suitable for soil/gravel compaction	Yes	------(Y/N)

2. DIMENSIONS.

a)	Overall length, approx.	6,000 mm	----- mm
b)	Overall width, approx.	2,400mm	----- mm
c)	Overall height, approx.	3,300 mm	----- mm
d)	Operating weight, approx.	20,000Kg	----- Kg
e)	Static linear load, approx.	32 Kg/cm	-----Kg/cm
f)	Wheelbase, approx.	3,100mm	----- mm
g)	Compaction width, approx.	2100mm	-----mm

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER
h) Ground clearance, approx.	390mm	----- 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, 4/6	specify	----- No.
g) Mode of aspiration (Natural/Turbocharged)	Specify	-----
h) Rated power output (HP/rpm) min.	170Hp/2000	----- Hp/rpm
i) Maximum torque, (Nm/rpm)	650NM	-----
j) Air cleaner type replaceable or oil bath.	Oil bath	----- (Y/N)
k) Oil and fuel filter type	disposable	----- (Y/N)
l) Fuel tank capacity, approx.	200 Lt	----- Lt
m) Engine performance curves supplied.	Yes	----- (Y/N)
n) Automatic dust evacuator	Yes	----- (Y/N)
o) Hand throttle	Yes	----- (Y/N)
p) Engine derated to altitude	7000ft ASL	----- (Y/N)
q) Piston displacement, approx.	Specify	.....cc

4. VIBRATORY SYSTEM AND PERFORMANCE.

a) Vibratory system type, hydraulic motor, manually controlled.	specify	-----
b) Vibrator frequency, range	28-32 Hz	.....Hz

c)	Centrifugal force: Minimum, approx. Maximum, approx.	200 KN 350 KN	.....KN.....KN
d)	Nominal amplitude: High, approx. Low, approx.	2.0 m 1.0m	----- m ----- m
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)
f)	Number of drums.	1	.....No.
g)	Drum diameter, approx.	1500mm	.....mm
h)	Drum width, approx.	2100mm	.....mm
i)	Drum shell thickness, approx.	30mm	.....mm
j)	Static linear drum load, approx.	38 Kg/cm	----- Kg/cm
k)	Gradeability, approx.	35 degrees	.....degrees
l)	Cleaning scraper on drum.	Yes	------(Y/N)

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)
b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	2.5 Km/h 8 Km/h	.....Km/h.....Km/h

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N)
b)	Wheel size	specify	-----x-----
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N)

7 STEERING

a)	Frame articulation type.	Yes	------(Y/N
b)	Hydraulic power steering.	Yes	------(Y/N
c)	Steering angle approx.	+/- 35 degrees	----- degrees
d)	Turning radius: Outside approx	6000mm	.....mm
e)	Oscillation angle, approx. (Each direction)	+/- 15 degrees	----- degrees

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS			
a)	Work equipment.		
	Type, variable capacity piston pump.	specify	
	Capacity, approx.	70 lt/min.	.....lt/min
	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.
b)	Steering		
	Gear type.	specify	
	Capacity, approx.	60lt/min	.....Lt/min
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes, Yes, Yes.	------(Y/N)
----	---	----------------	-------------

10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)
b)	Battery capacity, approx.	170 Ah	.....Ah
c)	Hour meter	Yes	------(Y/N)

d)	Fuel gauge	Yes	------(Y/N)
e)	Water temperature gauge	Yes	------(Y/N)
f)	Panel lamp	Yes	------(Y/N)
g)	Battery charging lamp	Yes	------(Y/N)
h)	Engine oil pressure lamp	Yes	------(Y/N)
i)	Parking brake lamp	Yes	------(Y/N)
j)	Ammeter	Yes	------(Y/N)
k)	Horn	Yes	------(Y/N)

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs

12 MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)
b)	Shop Manual/CD supplied.	One per m/c (Mandatory)	------(Y/N)
c)	Parts catalogue / CD, supplied.	1 set per machine (Mandatory)	------(Y/N)
d)	Operators , warranty and service hand book supplied.	One per m/c (Mandatory)	------(Y/N)
e)	Repair tool kit supplied.	One per m/c (Mandatory)	------(Y/N)
f)	Comprehensive list of standard and specialized tools to be supplied with the roller to be attached.	Yes (Mandatory)	.....(Y/ N)

13 OTHER REQUIREMENT

a)	Roller to be registered by the	Yes	_____(Y/N)
----	--------------------------------	-----	------------

	Registrar of Motor Vehicles.	(Mandatory)	
b)	Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)
c)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----
d)	Availability of spare parts.	Indicate equipment dealers who stock 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)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
g)	Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)
h)	Adequate training on repairs especially on new models with new technology provided by the experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION		
i) Oil filter - 20No.	Yes (Mandatory)	..... Y/N
ii) Diesel Filter primary – 20No.	Yes (Mandatory)	.....
iii) Diesel Filter secondary– 20No.	Yes (Mandatory)	.Y/N
iii) Corrosion Filter – 20No.	Yes (Mandatory)	..... .Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	..... .Y/N
vii) Fan belt set – 5No.	Yes (Mandatory)	.....
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	.Y/N
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	..... .Y/N
x) Transmission filter-10No.	Yes (Mandatory)	..... .Y/N
		..... .Y/N
		..... .Y/N
		..... .Y/N
<u>TENDERER'S REMARKS</u>		

4. DRUM ROLLER, VIBRATORY, SELF PROPELLED, 12 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated vibrating roller of latest design, of proven performance, in current production, marketed in Kenya.	Yes, Yes, Yes	----- (Y/N)	
b)	Supplied new, unused.	Yes	----- (Y/N)	
c)	Capable of operating in tropical conditions.	Yes	----- (Y/N)	
d)	Most suitable for soil/gravel compaction	Yes	----- (Y/N)	

2. DIMENSIONS.

a)	Overall length, approx.	5,500 mm	----- mm	
b)	Overall width,	2,300mm	----- mm	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	
approx.			
c) Overall height, approx.	3,000 mm	----- mm	
d) Operating weight, approx.	12,000Kg	----- Kg	
e) Static linear load, approx.	32 Kg/cm	----- Kg/cm	
f) Wheelbase, approx.	3,000mm	----- mm	
g) Compaction width, approx.	2100mm	-----mm	
h) Ground clearance, approx.	360mm	----- 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, 4/6	specify	----- No.	
g) Mode of aspiration (Natural/Turbocharged)	Turbocharged	-----	
h) Rated power output (HP/rpm) min.	130Hp/2200	----- Hp/rpm	
i) Maximum torque, (Nm/rpm)	specify	-----	
j) Air cleaner type replaceable or oil bath.	Oil bath	------(Y/N)	

k)	Oil and fuel filter type	disposable	------(Y/N)	
l)	Fuel tank capacity, approx.	250 Lt	----- Lt	
m)	Engine performance curves supplied.	Yes	------(Y/N)	
n)	Automatic dust evacuator	Yes	------(Y/N)	
o)	Hand throttle	Yes	------(Y/N)	
p)	Engine derated to altitude	7000ft ASL	------(Y/N)	
q)	Piston displacement, approx.	Specify	.....cc	

4. VIBRATORY SYSTEM AND PERFORMANCE.

a)	Vibratory system type, hydraulic motor, manually controlled.	specify	-----	
b)	Vibrator frequency, range	30-40 Hz	.....Hz	
c)	Centrifugal force: Minimum, approx. Maximum, approx.	120 KN 250 KN	.....KN.....KN	
d)	Nominal amplitude: High, approx. Low, approx.	1.70 m 0.85m	----- m ----- m	
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)	
f)	Number of drums.	1	.....No.	
g)	Drum diameter, approx.	1500mm	.....mm	
h)	Drum width, approx.	2100mm	.....mm	
i)	Drum shell thickness, approx.	30mm	.....mm	

j)	Static linear drum load, approx.	32 Kg/cm	----- Kg/cm	
k)	Gradeability, approx.	45 degrees	.....degrees	
l)	Cleaning scraper on drum.	Yes	------(Y/N)	

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)	
b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	5 Km/h 9 Km/h	.....Km/h.....Km/h	

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N)	
b)	Wheel size	specify	-----x-----	
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N)	

7 STEERING

a)	Frame articulation type.	Yes	------(Y/N)	
b)	Hydraulic power steering.	Yes	------(Y/N)	
c)	Steering angle approx.	+/- 30 degrees	----- degrees	
d)	Turning radius: outside approx. inside approx	3500mm 5600mm	.....mm.....mm	

e)	Oscillation angle, approx. (Each direction)	+/- 12 degrees	----- degrees	
----	---	----------------	------------------	--

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS				
a)	Work equipment.			
	Type, variable capacity piston pump.	specify		
	Capacity, approx.	70 lt/min.	.....lt/min	
	Relief valve setting, approx.	300Kg/cm sq.	.....Kg/cm sq.	
b)	Steering			
	Gear type.	specify		
	Capacity, approx.	60lt/min	.....Lt/min	
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.	

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes, Yes, Yes.	------(Y/N)	
----	---	----------------	-------------	--

10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)	
b)	Battery capacity, approx.	130 Ah	.....Ah	
c)	Hour meter	Yes	------(Y/N)	

d)	Fuel gauge	Yes	------(Y/N)	
e)	Water temperature gauge	Yes	------(Y/N)	
f)	Panel lamp	Yes	------(Y/N)	
g)	Battery charging lamp	Yes	------(Y/N)	
h)	Engine oil pressure lamp	Yes	------(Y/N)	
i)	Parking brake lamp	Yes	------(Y/N)	
j)	Ammeter	Yes	------(Y/N)	
k)	Horn	Yes	------(Y/N)	

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs	

12 MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)	
b)	Shop Manual/CD supplied.	One per m/c (Mandatory)	------(Y/N)	
c)	Parts catalogue / CD, supplied.	1 set per machine (Mandatory)	------(Y/N)	
d)	Operators , warranty and service hand	One per m/c (Mandatory)	------(Y/N)	

	book supplied.			
e)	Repair tool kit supplied.	One per m/c (Mandatory)	----- (Y/N)	
f)	Comprehensive list of standard and specialized tools to be supplied with the roller to be attached.	Yes (Mandatory)	..... (Y/N)	

13 OTHER REQUIREMENT

a)	Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____ (Y/N)	
b)	Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____ (Y/N)	
c)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____ (Y/N) -----	

d) Availability of spare parts.	Indicate equipment dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
g) Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)	
h) Adequate training on repairs especially on new models with new technology provided by the experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)	

14. SERVICE PARTS FOR 2000HRS OF OPERATION			
i) Oil filter - 10No.	Yes (Mandatory)	..... Y/N	
ii) Diesel Filter primary - 10No.	Yes (Mandatory)	..... Y/N	
iii) Diesel Filter secondary- 10No.	Yes (Mandatory)	..... Y/N	
iii) Corrosion Filter - 5No.	Yes (Mandatory)	..... Y/N	
iv) Outer Air Cleaner - 10No.	Yes (Mandatory)	..... Y/N	
v) Inner Air Cleaner - 10No.	Yes (Mandatory)	..... Y/N	
vi) Hydraulic Filter - 10No.	Yes (Mandatory)	..... Y/N	
vii) Fan belt set - 3No.		..... Y/N	
viii) Hydraulic pump service kit-1set		..... Y/N	

ix) Greasing gun heavy duty-2No. x) Transmission filter-5No.		..... Y/N	
<u>TENDERER'S REMARKS</u>			

**5. SMOOTH DRUM ROLLER WITH PADFOOT(SHEEP FOOT)
ATTACHMENT/SHELL, VIBRATORY, SELF PROPELLED, 10 TON**

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated Vibrating, smooth drum roller , 10 ton with a detachable padfoot (sheep foot) attachment/shell of latest design, in current production and of proven performance .	Yes, Yes, Yes (Mandatory)	------(Y/N)	
b)	Supplied new, unused.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	Most suitable for soil/gravel / asphalt compaction	Yes	------(Y/N)	
e)	To have a detachable padfoot (sheep foot)	Yes (Mandatory)	------(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	
attachment with all the necessary accessories and, suitable equipment/tools for fitting and removing.			

2. DIMENSIONS.

a)	Overall length, approx.	5,500 mm	----- mm	
b)	Overall width, approx.	2,300mm	----- mm	
c)	Overall height, approx.	3,000 mm	----- mm	
d)	Operating weight minimum.	10,000Kg	----- Kg	
e)	Static linear load, approx.	32 Kg/cm	----- Kg/cm	
f)	Wheelbase, approx.	3,000mm	----- mm	
g)	Compaction width, approx.	2100mm	-----mm	
h)	Ground clearance, approx.	400mm	----- 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, 4/6	specify	----- No.
g)	Mode of aspiration	Turbochar	-----

	(Natural/Turbocharged)	ged	
h)	Rated power output (HP/rpm), approx.	120Hp/2200	----- Hp/rpm
i)	Maximum torque, (Nm/rpm)	specify	-----
j)	Air cleaner type replaceable or oil bath.	Oil bath	------(Y/N)
k)	Oil and fuel filter type	disposable	------(Y/N)
l)	Fuel tank capacity, approx.	250 Lt	----- Lt
m)	Engine performance curves supplied.	Yes	------(Y/N)
n)	Automatic dust evacuator	Yes	------(Y/N)
o)	Hand throttle	Yes	------(Y/N)
p)	Engine derated to altitude	7000ft ASL	------(Y/N)
q)	Piston displacement, approx.	Specify	.....cc

4. VIBRATORY SYSTEM AND PERFORMANCE.

a)	Vibratory system type, hydraulic motor, manually controlled.	specify	-----
b)	Vibrator frequency, range	30-40 Hz	.....Hz
c)	Centrifugal force: Minimum, approx. Maximum, approx.	120 KN 250 KN	.....KN.....KN
d)	Nominal amplitude: High, approx. Low, approx.	1.70 m 0.85m	-----m -----m
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)
f)	Number of drums.	1	.....No.
g)	Drum diameter, approx.	1500mm	.....mm
h)	Drum width, approx.	2100mm	.....mm

i)	Drum shell thickness, approx.	30mm	.....mm
j)	Static linear drum load, approx.	32 Kg/cm	-----Kg/cm
k)	Gradeability, approx.	45 degrees	.....degrees
l)	Cleaning scraper on drum.	Yes	------(Y/N)

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)
b)	Travel speed at rated RPM forward and reverse, approx.		
	Low range	6 Km/h 12 Km/h	.....Km/h.....Km/h
	High range		

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N)
b)	Wheel size	specify	-----x-----
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N)

7 STEERING

a)	Frame articulation type.	Yes	------(Y/N)
b)	Hydraulic power steering.	Yes	------(Y/N)
c)	Steering angle approx.	+/- 35 degrees	-----degrees
d)	Turning radius: outside approx. inside approx	3500mm 5600mm	.....mm.....mm
e)	Oscillation angle, approx. (Each direction)	+/- 15 degrees	-----degrees

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS			
-----------	--	--	--

a)	Work equipment.		
	Type, variable capacity piston pump.	specify	
	Capacity, approx.	70 lt/min.	.....lt/min
	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.
b)	Steering		
	Gear type.	specify	
	Capacity, approx.	60lt/min	.....Lt/min
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes	------(Y/N)
----	---	-----	-------------

10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)
b)	Battery capacity, approx.	130 Ah	.....Ah
c)	Hour meter	Yes	------(Y/N)
d)	Fuel gauge	Yes	------(Y/N)
e)	Water temperature gauge	Yes	------(Y/N)
f)	Panel lamp	Yes	------(Y/N)
g)	Battery charging lamp	Yes	------(Y/N)
h)	Engine oil pressure lamp	Yes	------(Y/N)
i)	Parking brake lamp	Yes	------(Y/N)
j)	Ammeter	Yes	------(Y/N)
k)	Horn	Yes	------(Y/N)

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs

12 MANUALS AND EQUIPMENT.

a)	All literature in the English language	Yes	------(Y/N)
b)	Shop manual 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 /standard tool kit supplied.	Yes (Mandatory)	------(Y/N)
f)	Specialized equipment and tools for fitting the padfoot shell kit to be supplied with the roller.	Yes (Mandatory)	.....(Y/N)

13 OTHER REQUIREMENT

a)	Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)
b)	Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)
c)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----

d) Availability of spare parts.	Indicate equipment dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)
g) Adequate training on the operation and maintenance of machine to be provided for one week by experts from the manufacturers or their agents.	Yes (Mandatory)	_____(Y/N)

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N
iii) Diesel Filter secondary– 10No.	Yes (Mandatory)	.....Y/N
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N
vii) Fan belt set – 3No.	Yes (Mandatory)	.....Y/N
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	.....Y/N
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N
x) Transmission filter-10No.	Yes (Mandatory)	.....Y/N
<u>TENDERER ' S REMARKS</u>		

TECHNICAL EVALUATION CRITERIA

1. In this stage, specifications of Dozers, Excavators, Graders, Loaders and Rollers 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.

DOZERS, EXCAVATORS, GRADERS, LOADERS AND ROLLERS

SCHEDULE OF REQUIREMENTS

1. SPECIAL DUTY CRAWLER TRACTOR WITH A RIPPER, 310-350HP

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature , authority and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)	

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

1. GENERAL

a)	A Standard production, diesel powered, crawler tractor of latest design in class, robust construction, 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)	Any item 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 AND WEIGHTS

a)	Overall length, (exclusive of the ripper length), approx.	7200mm	..... mm	
b)	Overall width (blade width), approx.	4,000mm	..... mm	
c)	Overall height, approx.	3,400mm	..... mm	
d)	Basic operating weight, approx.	38.0Ton.	..... Ton.	
e)	Blade width, approx.	3,900mm	-----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	Yes, Yes. Yes	.....(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
Stroke.			
f) Mode of aspiration, Turbocharged.	Yes(Mandatory)	.....(Y/N)	
g) Piston displacement, approx.	Specify	..... cc	
h) Number of cylinders.	specify	..... no.	
I) Flywheel horsepower (HP/rpm) range,	310-350HP	..... HP	
rpm,	2000 rpm	.....rpm	
approx			
j) Maximum torque developed NM/ min.	1200Nm	..... Nm	
rpm, approx	1300rpm	..... rpm	
k) Air filter, Dry /Oil bath.	Specify	.....
l Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour	
o) Fuel tank capacity,	600Lt	..... Lt	

4. TRANSMISSION.

a) Transmission Type:	Power shift. (Mandatory)(Y/N)	
-----------------------	--------------------------	------------	--

5. FRAME

a) Tough and durable hull type of structure.	Yes.	.....(Y/N)	
b) Rigid frame.	Yes.	.....(Y/N)	

6. UNDER CARRIAGE.

a) Oscillating Roller/Idler frame attached to the tractor by means of a pivot shaft and fully pinned stabilizer bar.	Yes(Y/N)	
--	-----	------------	--

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
b) Frame made of hardened material, wear resistant and able to resist torsional loads.	Yes	.....(Y/N)	
c) No. of Track rollers on each side approx.	7 No.	.....No	
d) Length of track on ground .	3000mm	.....mm	
e) No. of shoes per side approx.	41- 44 No.	.....No	

7. STEERING SYSTEM

a) Hydraulic/Hydrostatic power steering.	Yes	.....(Y/N)	
b) Turning radius,	2,000mm	.....mm	

8. BRAKES.

a) Pneumatically/Hydraulically/Hydrostatically actuated brakes.	Specify		
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)	

9. BLADE .

a) Hydraulically operated blade (lifting, tilting, angling etc.)	Yes Piece length- 1500mm	.....(Y/N -----mm	
b) Lift above ground, approx.	1250mm	..... mm	
c) Drop below ground, (blade digging depth) approx.	550mm	..... mm	
d) Blade capacity, approximately	10m ³	-----m ³	

10. CAB.

a) Totally enclosed cab fitted with lockable doors and safety- glass all round -360 degree visibility	Yes(Mandatory)(Y/N)	
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	SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
b)	Roll Over Protection (ROP) Structure provided	Yes(Mandatory)(Y/N)	

11. ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage, negative earth.	24V, Yes	.....(Y/N)	
b)	Alternator charging.	Yes	.....(Y/N)	
c)	Battery capacity, approx.	specify	..... AH	
d)	Standard instruments and gauges:			
	i) Hourmeter	Yes	.....(Y/N)	
	ii) Servicemeter	Yes	.....(Y/N)	
	iii) Engine oil pressure gauge.	Yes	.....(Y/N)	
	iv) Water temperature gauge.	Yes	.....(Y/N)	
	v) Panel lamps.	Yes	.....(Y/N)	
	vi) Battery charge lamp.	Yes	.....(Y/N)	
	vii) Fuel gauge.	Yes	.....(Y/N)	
	viii) Two head and rear lights.	Yes	.....(Y/N)	
	x) Stop & turning signal lights.	Yes	.....(Y/N)	
	x) Revolving flasher mounted on top of cab.	Yes	.....(Y/N)	

12. EQUIPMENT AND ACCESSORIES.

a)	Manufacturer's complete tools, kit supplied.	Yes	.....(Y/N)	
b)	Comprehensive list of standard and specialized tools to be supplied with the grader to be attached.	Yes (Mandatory)	.....(Y/N)	
c)	Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic	Yes	.....(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
Act, CAP.403 Tenth schedule.			
d) Ripper attached	Yes(Mandatory)	.....(Y/N)	
Digging depth, approx	500mm	.....mm	
Lift above ground, approx	850mm	.....mm	
Weight, approx.	3,500kg	.....kg	

13. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours	

14. MANUALS

a) All literature in English language	Yes	.....(Y/N)	
b) Operator's, warranty and service Manual, supplied.	1 per machine (Mandatory)	.....(Y/N)	
c) Shop Manual/CD, supplied.	1 per machine (Mandatory)	.....(Y/N)	
d) Parts catalogue /CD, supplied.	1 per machine (Mandatory)	.....(Y/N)	

15 OTHER REQUIREMENT

a) Dozer to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)	
b) Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)	
c) Franchise holder (representative	Yes	_____(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
in Kenya)? If not, specify relationship with franchise holder.	Specify whether agent/dealer	-----	
d) Availability of spares.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)	
g) Adequate training on repairs especially on new models with new technology provided by experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)	
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

16. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	..... Y/N	
ii) Diesel Filter – 10No.	Yes (Mandatory)	..... Y/N	
iii) Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N	

iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N	
vii) Transmission Filter -10No.	Yes (Mandatory)	..... Y/N	
viii) Fan belt set – 3No.	Yes (Mandatory)	..... Y/N	
ix) Ripper cylinder seals kit -2sets.	Yes(Mandatory)	..... Y/N	
x) Greasing gun heavy duty-1No.	Yes (Mandatory)	..... Y/N	
xi) Bucket tips – 3 sets	Yes (Mandatory)	..... Y/N	
xii) lift cylinder seal kit– 2 sets	Yes (Mandatory)	..... Y/N	
<u>TENDERER' S REMARKS</u>			

2. MEDIUM TRACKED DOZER WITH RIPPER, 210-240 HP

TENDERER'S SPECIFICATION Column to be completed by ALL

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

1. GENERAL

a)	A standard production medium sized construction type dozer with ripper attachment	Yes	.....(Y/N)	
b)	Supplied new.	Yes	.....(Y/N)	
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	
b)	Dozer with ripper attachment	Yes	.....(Y/N)	
c)	Basic operating weight with ripper attachment, min	22,000-24,000 Kg	.....Kg	

2 WEIGHTS AND DIMENSIONS

a)	Total length with blade and ripper, approx.	6,500-7,000mm	----- mm	
b)	Total width with blade, approx.	3,000-4,000mm	-----mm	
c)	Total height with ROPS, approx.	3,200-3,500mm	.....(Y/N)	
d)	Ground clearance, min.	380mm	-----mm	
e)	Drawbar height, approx.	550mm	.....mm	
f)	Basic operating weight including lubricants, coolant,	22,000-25,000Kg	.....Kg	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
full fuel tank, hydraulic control, bulldozer and ROPS canopy, approx.			

3 ENGINE

a) Water cooled diesel with electric start	Yes	-----Y/N	
b) Mode of aspiration, Turbocharged & after cooled.	Yes Turbo mandatory	.....(Y/N)	
c) Maximum power output, (Hp/rpm) range.	210- 240Hp/1900rpm	-----Hp/rpm	
d) Maximum torque developed, (Nm/rpm) min.	900NM	-----Nm/rpm	
e) Engine displacement, range	Specify	-----cc	
f) No. of cylinders	6	-----No.	
e) Exhaust muffler and rain cap	Yes	-----Y/N	
f) Fuel tank capacity , approx.	400l	-----l	

4. TRANSMISSION.

a) Full power shift with torque convertor	Yes	-----Y/N	
b) Minimum 3 forward and 3 reverse speeds	Yes	-----Y/N	
c) Pressurised lubrication	Yes	-----Y/N	

5. STEERING

a) Power assisted, multi-disc , oil cooled clutches	Yes	----- (Y/N)	
---	-----	----------------	--

6. UNDERCARRIAGE (TRACK ROLLER FRAME UNIT)

a) Oscillating type box girder construction	Yes	-----Y/N	
b) Minimum six track rollers and	Yes	-----Y/N	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
two carrier rollers			
c) Rollers sealed and life lubricated	Yes	-----Y/N	
d) Track shoe width, min	500mm	-----mm	
e) Sealed type pins and bushings	Yes	-----Y/N	
f) Hydraulic type, tensioner.	Yes	-----Y/N	

7. ELECTRICAL SYSTEM

a) Manufacturers standard 24V starting system	Yes	----- (Y/N)	
---	-----	----------------	--

8. DOZER BLADE AND RIPPER.

a) Angle dozer with bolted on cutting edge and end bit.	Yes	----- (Y/N)	
i) Capacity, approx	4-8m ³	----- m ³	
ii) Overall width, approx.	3,500-4,500mm	----- mm	
iii) Height, approx.	1,000mm	----- mm	
iv) Digging depth, approx.	500mm	-----mm	
v) Ground clearance, approx.	1,000mm	----- mm	
vi) Maximum tilt, approx.	500mm	----- mm	
b) Hydraulic hoisting with lift, lower and hold positions.	Yes	----- (Y/N)	
c) Hydraulic operated ripper with 3 tines and parallel linkage	Yes	----- (Y/N)	
i) beam width	2000 mm	----- mm	
ii) Maximum penetration	500mm	----- mm	
iii) maximum clearance raised	500 mm	-----mm	

9. OPERATORS CAB.

a) Vibration-insulation mounted,	Yes, mandatory	----- (Y/N)	
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
enclosed canopy with ROPS and with clear working view.			
b) Complete instrumentation including engine and hydraulic oil pressure gauges.	Yes	------(Y/N)	

10. EQUIPMENT AND ACCESSORIES.

a) Radiator and upper engine guards	Yes	------(Y/N)	
b) Service tools in mounted kit	Yes	------(Y/N)	
c) Engine hour meter –tamper proof , with memory and data retrievable	Yes	------(Y/N)	
d) Air conditioning system	Yes (Mandatory)	.....(Y/N)	
e) FM radio with CD player	Yes (Mandatory)	.....(Y/N)	
f) Optional equipment	Specify		

11. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours	
c) Specimen of Dozer warranty to be submitted while Tendering.	Yes)	.....(Y/N)	

12. MANUALS

a) All literature in English language	Yes	.....(Y/N)	
b) Operator's , service and warranty Manual, supplied.	1 per Dozer	_____(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Shop Manual/CD supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)	
d) Parts catalogue /CD, supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)	

13 OTHER REQUIREMENT

a) Dozer to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)	
b) Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)	
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d) Availability of spare parts.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)	
g) Adequate training on repairs especially on new models with new technology provided by experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	..... Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	..... Y/N	
iii) Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N	
vii) Transmission Filter -10No.	Yes (Mandatory)	..... Y/N	
viii) Fan belt set – 5No.	Yes (Mandatory)	..... Y/N	
ix) Ripper cylinder seal kit – 2 sets	Yes(Mandatory)	..... Y/N	
x) Greasing gun bucket type-1No.	Yes (Mandatory)	..... Y/N	
xi) lift cylinder seal kit– 2 sets	Yes (Mandatory)	..... Y/N	
xii) Hydraulic pump service kit – 2 sets	Yes (Mandatory)	..... Y/N	
xiii) Final Drive seal kit – 2 sets	Yes(Mandatory)	..... Y/N	
xiv) Cutting edge set-3No	Yes (Mandatory)	..... Y/N	
xv). Ripper tips set -3No.	Yes (Mandatory)	..... Y/N	
xvi)End bits set-3No.	Yes (Mandatory)	..... Y/N	
xvii) Diesel Filter secondary – 10No	Yes (Mandatory)	..... Y/N	
<u>TENDERER'S REMARKS</u>			

3. MEDIUM TRACKED DOZER WITH RIPPER, 170-200 HP

TENDERER'S SPECIFICATION Column to be completed by ALL

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

1. GENERAL

a)	A standard production medium sized construction type dozer with ripper attachment, of latest design in class, robust construction, of proven performance and in current production.	Yes	.....(Y/N)	
b)	Supplied new.	Yes	.....(Y/N)	
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	
b)	Dozer with ripper attachment	Yes	.....(Y/N)	
c)	Basic operating weight with ripper attachment, approx.	18,000 Kg	.....Kg	

2 WEIGHTS AND DIMENSIONS

a)	Total length with blade and ripper, approx.	6,400mm	----- mm	
b)	Total width with blade, approx.	3,000mm	----- mm	
c)	Total height with ROPS, approx.	3,200mm	.....(Y/N)	
d)	Ground clearance, min.	380mm	----- mm	
e)	Drawbar height, approx.	550mm	.....mm	
f)	Basic operating weight including	20,500Kg	.....Kg	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
lubricants, coolant, full fuel tank, hydraulic control, bulldozer and ROPS canopy, approx.			

3 ENGINE

a)	Water cooled diesel with electric start	Yes	-----Y/N	
b)	Mode of aspiration, Turbocharged & after cooled.	Yes	.....(Y/N)	
c)	Maximum power output, (Hp/rpm) range.	170-200Hp/1900rpm	-----Hp/rpm	
d)	Maximum torque developed, min.	850Nm	-----Nm/rpm	
e)	Engine displacement, range	Specify	-----cc	
f)	No. of cylinders	6	-----No.	
e)	Exhaust muffler and rain cap	Yes	-----Y/N	
f)	Fuel tank capacity , approx.	400 ltr	-----l	

4. TRANSMISSION.

a)	Full power shift with torque convertor	Yes	-----Y/N	
b)	Minimum 3 forward and 3 reverse speeds	Yes	-----Y/N	
c)	Pressurised lubrication	Yes	-----Y/N	

5. STEERING

a)	Power assisted, multi-disc , oil cooled clutches	Yes	----- (Y/N)	
----	--	-----	----------------	--

6. UNDERCARRIAGE (TRACK ROLLER FRAME UNIT)

a)	Oscillating type box girder construction	Yes	-----Y/N	
----	--	-----	----------	--

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
b) Minimum six track rollers and two carrier rollers	Yes	-----Y/N	
c) Rollers sealed and life lubricated	Yes	-----Y/N	
d) Track shoe width, min	500mm	-----mm	
e) Sealed type pins and bushings	Yes	-----Y/N	
f) Hydraulic type, tensioner.	Yes	-----Y/N	

7. ELECTRICAL SYSTEM

a) Manufacturers standard 24V starting system	Yes	----- (Y/N)	
---	-----	----------------	--

8. DOZER BLADE AND RIPPER.

a) Angle/straight dozer with bolted-on cutting edge and end bit.	Yes	----- (Y/N)	
i) Capacity, approx	4m ³	----- m ³	
ii) Overall width, approx.	3,000mm	----- mm	
iii) Height, approx.	1,000mm	----- mm	
iv) Digging depth, approx.	600mm	-----mm	
v) Ground clearance, approx.	1,000mm	----- mm	
vi) Maximum tilt, approx.	600mm	----- mm	
b) Hydraulic hoisting with lift, lower and hold positions.	Yes	----- (Y/N)	
c) Hydraulic operated ripper with 3 tines and parallel linkage	Yes	----- (Y/N)	
i) Beam width	2000 mm	----- mm	
ii) Maximum penetration	500 mm	----- mm	
iii) Maximum clearance raised (lift above ground)	1000 mm	-----mm	
iv) Blade turning angle	±25 ⁰	----- ⁰	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
9. OPERATORS CAB.			
a) Vibration-insulation mounted enclosed/lockable cab with ROPS and with clear working view.	Yes, mandatory	------(Y/N)	
b) Complete instrumentation including engine and hydraulic oil pressure gauges.	Yes	------(Y/N)	

10. EQUIPMENT AND ACCESSORIES.

a) Radiator and upper engine guards	Yes	------(Y/N)	
b) Service tools in mounted kit	Yes	------(Y/N)	
c) Engine hour meter.	Yes	------(Y/N)	
d) Engine and transmission protection plates against damage	Yes (Mandatory)	.....(Y/N)	
e) Optional equipment	Specify		

11. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours	
c) Specimen of Dozer warranty to be submitted while Tendering.	Yes)	.....(Y/N)	

12. MANUALS

a) All literature in English language	Yes	.....(Y/N)	
b) Operator's, service and warranty Manual, supplied.	1 per Dozer	_____(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Shop Manual/CD supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)	
d) Parts catalogue /CD, supplied.	1 per dozer Yes, Mandatory	_____(Y/N)	

13 OTHER REQUIREMENT

a) Dozer to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	_____(Y/N)	
b) Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)	
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support	Yes Specify whether agent/dealer	_____(Y/N) -----	
d) Availability of spare parts.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
g) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
vii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N	
viii) Fan belt set – 5No.	Yes (Mandatory)	.....Y/N	
ix) Ripper cylinder seal kit – 2 sets	Yes(Mandatory)	.....Y/N	
x) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N	
xi) lift cylinder seal kit– 2 sets	Yes (Mandatory)	.....Y/N	
xii) Hydraulic pump service kit – 2 sets	Yes (Mandatory)	.....Y/N	
xiii) Final Drive seal kit – 2 sets	Yes(Mandatory)	.....Y/N	
xiv) Cutting edge set-5set	Yes (Mandatory)	.....Y/N	
xv) Ripper tips set -3set	Yes (Mandatory)	.....Y/N	
xvi) End bits set-3set	Yes (Mandatory)	.....Y/N	
xvii) Diesel Filter secondary – 10No	Yes (Mandatory)	.....Y/N	
<u>TENDERER' S REMARKS</u>			

4. MEDIUM TRACKED DOZER WITH RIPPER, 140-160 HP

TENDERER'S SPECIFICATION Column to be completed by ALL

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

1. GENERAL

a)	A standard production medium sized construction type dozer with ripper attachment, of latest design in class, robust construction, of proven performance and in current production.	Yes	.....(Y/N)	
b)	Supplied new.	Yes	.....(Y/N)	
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	
b)	Dozer with ripper attachment	Yes	.....(Y/N)	
c)	Basic operating weight with ripper attachment, approx.	17,000 Kg	.....Kg	

2 WEIGHTS AND DIMENSIONS

a)	Total length with blade and ripper, approx.	6,400mm	----- mm	
b)	Total width width with blade, approx.	3,300mm	-----mm	
c)	Total height with ROPS, approx.	3,100mm	.....(Y/N)	
d)	Ground clearance, min.	380mm	-----mm	
e)	Drawbar height, approx.	500mm	.....mm	
f)	Basic operating weight including lubricants, coolant, full fuel tank, hydraulic control, bulldozer and ROPS	17,000Kg	.....Kg	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
canopy, approx.			

3 ENGINE

a)	Water cooled diesel with electric start	Yes	-----Y/N	
b)	Mode of aspiration, Turbocharged & after cooled.	Yes	.....(Y/N)	
c)	Maximum power output, (Hp/rpm) range.	140-160Hp/1900rpm	-----Hp/rpm	
d)	Maximum torque developed, min.	700Nm	-----Nm/rpm	
e)	Engine displacement, range	Specify	-----cc	
f)	No. of cylinders	6	-----No.	
e)	Exhaust muffler and rain cap	Yes	-----Y/N	
f)	Fuel tank capacity , approx.	400 ltr	-----l	

4. TRANSMISSION.

a)	Full power shift with torque convertor	Yes	-----Y/N	
b)	Minimum 3 forward and 3 reverse speeds	Yes	-----Y/N	
c)	Pressurised lubrication	Yes	-----Y/N	

5. STEERING

a)	Power assisted, multi-disc , oil cooled clutches	Yes	----- (Y/N)	
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6. UNDERCARRIAGE (TRACK ROLLER FRAME UNIT)

a)	Oscillating type box girder construction	Yes	-----Y/N	
b)	Minimum six track rollers and two carrier rollers	Yes	-----Y/N	
		Yes		

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
c) Rollers sealed and life lubricated		-----Y/N	
d) Track shoe width, min	500mm	-----mm	
e) Sealed type pins and bushings	Yes	-----Y/N	
f) Hydraulic type, tensioner.	Yes	-----Y/N	

7. ELECTRICAL SYSTEM

a) Manufacturers standard 24V starting system	Yes	----- (Y/N)	
---	-----	----------------	--

8. DOZER BLADE AND RIPPER.

a) Angle/straight dozer with bolted-on cutting edge and end bit.	Yes	----- (Y/N)	
i) Capacity, approx	4m ³	----- m ³	
ii) Overall width, min.	3,000mm	----- mm	
iii) Height, approx.	1,000mm	----- mm	
iv) Digging depth, approx.	500mm	-----mm	
v) Ground clearance, approx.	400mm	----- mm	
vi) Maximum tilt, approx.	400mm	----- mm	
b) Hydraulic hoisting with lift, lower and hold positions.	Yes	------(Y/N)	
c) Hydraulic operated ripper with 3 tines and parallel linkage	Yes	------(Y/N)	
i) Beam width	2000 mm	----- mm	
ii) Maximum penetration	500 mm	----- mm	
iii) Maximum clearance raised (lift above ground)	550 mm	-----mm	
iv) Blade turning angle	±25 ⁰	----- ⁰	

9. OPERATORS CAB.

a) Vibration-insulation mounted enclosed/lockable cab with ROPS and	Yes, mandatory	------(Y/N)	
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
with clear working view.			
b) Complete instrumentation including engine and hydraulic oil pressure gauges.	Yes	------(Y/N)	

10. EQUIPMENT AND ACCESSORIES.

a) Radiator and upper engine guards	Yes	------(Y/N)	
b) Service tools in mounted kit	Yes	------(Y/N)	
c) Engine hour meter.	Yes	------(Y/N)	
d) Engine and transmission protection plates against damage	Yes (Mandatory)	.....(Y/N)	
e) Optional equipment	Specify		

11. WARRANTY

a) Dozer supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b) Dozer warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours	
c) Specimen of Dozer warranty to be submitted while Tendering.	Yes)	.....(Y/N)	

12. MANUALS

a) All literature in English language	Yes	.....(Y/N)	
b) Operator's, service and warranty Manual, supplied.	1 per Dozer	_____(Y/N)	
c) Shop Manual/CD supplied.	1 per Dozer Yes, Mandatory	_____(Y/N)	
d) Parts catalogue /CD, supplied.	1 per dozer	_____(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
	Yes, Mandatory		

13 OTHER REQUIREMENT

a) Dozer to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	_____(Y/N)	
b) Dozer will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)	
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support	Yes Specify whether agent/dealer	_____(Y/N) -----	
d) Availability of spare parts.	Indicate motor dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	
g) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	..... Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	..... Y/N	
iii) Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N	
vii) Transmission Filter -10No.	Yes (Mandatory)	..... Y/N	
viii) Fan belt set – 5No.	Yes (Mandatory)	..... Y/N	
ix) Ripper cylinder seal kit – 2 sets	Yes(Mandatory)	..... Y/N	
x) Greasing gun bucket type-1No.	Yes (Mandatory)	..... Y/N	
xi) lift cylinder seal kit– 2 sets	Yes (Mandatory)	..... Y/N	
xii) Hydraulic pump service kit – 2 sets	Yes (Mandatory)	..... Y/N	
xiii) Final Drive seal kit – 2 sets	Yes(Mandatory)	..... Y/N	
xiv) Cutting edge set-5set	Yes (Mandatory)	..... Y/N	
xv) Ripper tips set -3set	Yes (Mandatory)	..... Y/N	
xvi) End bits set-3set	Yes (Mandatory)	..... Y/N	
xvii) Diesel Filter secondary – 10No	Yes (Mandatory)	..... Y/N	
<u>TENDERER' S REMARKS</u>			

5. CRAWLER EXCAVATOR WITH BREAKER SET, 170-210HP. HEAVY DUTY

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	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, crawler backhoe excavator of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new.	Yes	(Y/N)	
c)	Designed to light export specifications, capable of operating in tropical conditions.	Yes	(Y/N)	
d)	Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	

2. SHIPPING DIMENSIONS

a)	Overall length, approx.	10,000 mm	.....mm	
b)	Overall width, approx.	3,100mm	.....mm	
c)	Overall height, approx.	3,200 mm	.....mm	
d)	Cab height, approx.	3,000 mm	.....mm	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
e)	Ground clearance, min.	500 mm	.....mm	
f)	Track length, approx.	5,000mm	.....mm	
g)	Shoe width , approx.	600mm	.....mm	
h)	Tail swing radius, approx.	3,100mm	.....mm	
i)	Operating weight, approx.	29,000kg	.....Kg	

3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	4-cycle, water-cooled, direct injection	Yes	(Y/N)	
e)	Mode of aspiration	Turbo(mandatory)	(Y/N)	
f)	No. of cylinders	Specify	(Y/N)	
g)	Engine capacity, approx.	Specify	cc	
h)	Maximum Rated Power, min.	170-210HP/2000rpm	No.	
i)	Maximum Rated Torque, min.	750Nm/1400rpm	KW/rpm	

4. WORKING RANGE

a)	Max. height, approx.	10000mm	.....mm	
b)	Max. loading height, approx.	6500mm	.....mm	
c)	Max. digging depth, approx.	7200mm	.....mm	
d)	Bucket digging force, approx.	170kN	.....kN	
e)	Arm digging force, approx.	130kN	.....kN	
			.....m ³	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
f) Bucket capacity, approx.	1.3m ³		

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps	.....(Y/N)	
b) Max. flow, approx.	2x250 l/min	.....l/min	
c) Max. pressure, approx.: Power mode	Specify	.....Kg/cm ²	
Normal		.....Kg/cm ²	
Implements,		.....Kg/cm ²	
Travel,		.....Kg/cm ²	
Swing,		.....Kg/cm ²	
Pilot circuits.		.....Kg/cm ²	

6. DRIVE, BRAKES & UNDERCARRIAGE

a) Steering control	Hydrostatic	.....Y/N	
b) Max. drawbar pull, approx.	230kN	.....KN	
c) Max. travel speed, approx.	4km/h	.....Km/h	
d) Service brake system	Specify	.....
e) Parking brake system.	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
j) No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a) Fuel tank, approx.	400Lts	..... Lts	
b) Cooling system	30Lts	.....Lts	
c) Engine oil, approx.	22Lts	.....Lts	
d) Final drive, approx.	7Lts	.....Lts	
e) Hydraulic system (including tank)	250Lts	.....Lts	

8. OPERATOR'S STATION

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N	
b) Cab hydraulically damped and safety glass windows fitted.	Yes	.....Y/N	

9 EQUIPMENT (OR ACCESSORIES) ETC.

a) Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify		
b) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N	
c) Air conditioning system	Yes (Mandatory)	.....(Y/N)	
d) FM radio with CD player	Yes (Mandatory)	.....(Y/N)	
e) Hour meter tamper proof, with memory and data retrievable	YesY/N	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
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10 WARRANTY

a)	Specimen of machine warranty to be submitted when tendering.	YesY/N	
b)	Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N	
c)	Machine warranty min.	Specify	.....

11 MANUALS

a)	All literature in English language.	Yes	.....Y/N	
b)	Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N	
c)	Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N	
d)	Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N	

12 OTHER REQUIREMENT

a)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)	
b)	Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications delivery to the user.	Yes Mandatory	_____(Y/N)	
c)	Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Yes/No)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
d)	Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
e)	Availability of spares.	Indicate 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)	Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)	
h)	Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts form the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	

16. TO SUPPLY THE FOLLOWING EQUIPMENT AS A SEPARATE ATTACHMENT

I.	A STANDARD HYDRAULIC BREAKER SET/ HAMMER LINE	Yes(Mandatory)	------(Yes/No)	
a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	

d)	Supplied crawler excavator to have hydraulic lines/other attachments for the breaker	Yes(Mandatory)	------(Yes/No)	
e)	Suitable for breaking all classes of concrete, cutting asphalt and tamping	Yes(Mandatory)	------(Yes/No)	
f)	Shank size, diameter x length approx	specify	----x----mm	
g)	Weight, range.	1,300-2,200Kg	-----Kg	
h)	Hydraulic flow range.	150-250 l/min.	----- l/min.	
i)	Working pressure range.	14-20MPa	-----MPa	
i)	Impact energy rating, approx.	5,500 joules	-----joules	
k)	Blow frequency rating range approx.	400-600 b/min.	-----b/min	
II. BREAKER TOOLS				
a)	Moil point	Yes	------(Yes/No)	
b)	Flat wedge chisel.	Yes	------(Yes/No)	
c)	Any other tools supplied:	Specify	-----	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i)	Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii)	Diesel Filter P – 10No.	Yes (Mandatory)	.....Y/N	
iii)	Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N	
iv)	Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
v)	Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	

vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
vii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N	
viii) Fan belt set – 3No.	Yes (Mandatory)	.....Y/N	
ix) Travel motor seals -4sets.	Yes(Mandatory)	.....Y/N	
x) Greasing gun heavy duty-1No.	Yes (Mandatory)	.....Y/N	
xi) Bucket tips – 5 sets	Yes (Mandatory)	.....Y/N	
xii) Diesel Filter S – 10No	Yes (Mandatory)	.....Y/N	
<u>TENDERER' S REMARKS</u>			

6. CRAWLER EXCAVATOR WITH BREAKER SET, . 220-260 HP. HEAVY DUTY

SPECIFICATION	REQUIRED	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, crawler backhoe excavator 220-260HP, of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new.	Yes	(Y/N)	
c)	Designed to heavy duty export specifications, capable of operating in tropical conditions.	Yes	(Y/N)	
d)	Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted.	Yes	.....(Y/N)	

2. SHIPPING DIMENSIONS

a)	Overall length, min.	10,000 mm	.....mm	
b)	Overall width, approx.	3,100mm	.....mm	
c)	Overall height, min.	3,200 mm	.....mm	
d)	Cab height, approx.	3,000 mm	.....mm	
e)	Ground clearance, min.	500 mm	.....mm	
f)	Track length, approx.	5,000mm	.....mm	
g)	Shoe width , approx.	600mm	.....mm	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
h) Tail swing radius, approx.	3,100mm	.....mm	
i) Operating weight, approx.	32,000kg	.....Kg	

3. ENGINE

a) Make	-		
b) Model	-		
c) Country of origin	-		
d) 4-cycle, water-cooled, direct injection	Yes	(Y/N)	
e) Mode of aspiration	Turbo(mandatory)	(Y/N)	
f) No. of cylinders	Specify	(Y/N)	
g) Engine capacity, approx.	8000 cc	cc	
h) Maximum Rated Power.	220-260HP/2000rpm	.....
i) Maximum Rated Torque, min.	1000Nm/1400rpm	KW/rpm	

4. WORKING RANGE

a) Max. height, approx.	10000mm	.....mm	
b) Max. loading height, approx.	6500mm	.....mm	
c) Max. digging depth, approx.	7200mm	.....mm	
d) Bucket digging force, approx.	170kN	.....kN	
e) Arm digging force, approx.	130kN	.....kN	
f) Bucket capacity, approx.	1.3m ³	.....m ³	

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps(Y/N)	
----------	------------------------------------	------------	--

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
b)	Max. flow, approx.	2x250 l/min	.....l/min	
c)	Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ²........Kg/cm ².....Kg/cm ² Kg/cm ².....Kg/cm ².....Kg/cm ²	

6. DRIVE, BRAKES & UNDERCARRIAGE

a)	Steering control	Hydrostatic	.....Y/N	
b)	Max. drawbar pull, approx.	230kN	.....KN	
c)	Max. travel speed, approx.	4km/h	.....Km/h	
d)	Service brake system	Specify	.....
e)	Parking brake system.	Specify	.....
f)	Undercarriage centre frame	Specify	.....
a)	Track frame	Specify	.....
b)	No. of shoes	Specify	.....
c)	No. of carrier rollers	Specify	.....
j)	No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a)	Fuel tank, approx.	400Lts	..... Lts	
b)	Cooling system	30Lts	.....Lts	
c)	Engine oil, approx.	22Lts	.....Lts	
d)	Final drive, approx.	7Lts	.....Lts	
e)	Hydraulic system (including tank)	250LtsLts	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
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8. OPERATOR'S STATION

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	YesY/N	
b) Cab hydraulically, ROPS , damped and safety glass windows fitted.	Yes	.....Y/N	

9 EQUIPMENT (OR ACCESSORIES) ETC.

a) Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify		
b) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N	

10 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N	
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N	
c) Machine warranty min.	2000hrs or 1year whichever comes first	.....

11 MANUALS

a) All literature in English language.	Yes	.....Y/N	
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N	
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N	
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N	

12 OTHER REQUIREMENT

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
a) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)	
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications prior to delivery to the user.	Yes Mandatory	_____(Y/N)	
c) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	------(Yes/No)	
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
e) Availability of spare parts.	Indicate 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) Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)	
h) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	

17. TO SUPPLY THE FOLLOWING EQUIPMENT AS A SEPARATE ATTACHMENT

I.	A STANDARD HYDRAULIC BREAKER SET/ HAMMER LINE	Yes(Mandatory)	------(Yes/No)	
a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	
d)	Supplied crawler excavator to have hydraulic lines/other attachments for the breaker	Yes(Mandatory)	------(Yes/No)	
e)	Suitable for breaking all classes of concrete, cutting asphalt and tamping	Yes(Mandatory)	------(Yes/No)	
f)	Shank size, diameter x length approx	specify	----x----mm	
g)	Weight, range.	1,300-2,200Kg	-----Kg	
h)	Hydraulic flow range.	150-250 l/min.	----- l/min.	
i)	Working pressure range.	14-20MPa	-----MPa	
i)	Impact energy rating, approx.	5,500 joules	-----joules	
k)	Blow frequency rating range approx.	400-600 b/min.	-----b/min	
II.	BREAKER TOOLS			
a)	Moil point	Yes	------(Yes/No)	
b)	Flat wedge chisel.	Yes	------(Yes/No)	
c)	Any other tools supplied:	Specify	-----	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i)	Oil filter - 10No.	Yes (Mandatory)Y/N	
----	--------------------	-----------------	----------	--

ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N	
iv) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N	
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vii) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
viii)Transmission Filter -10No.	Yes (Mandatory)	.....Y/N	
ix) Fan belt set – 5No.	Yes(Mandatory)	.....Y/N	
x) Travel motor seals -4sets.	Yes (Mandatory)	.....Y/N	
xi) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N	
xii) Bucket tips – 3 sets	Yes (Mandatory)	.....Y/N	
xiii) Side cutters-3sets	Yes (Mandatory)	.....Y/N	
xiv)Breaker chisels pointed- 5No.	Yes (Mandatory)	.....Y/N	
xv) Breaker chisels flat - 5No.	Yes (Mandatory)	.....Y/N	
<u>TENDERER'S REMARKS</u>			

7. SPECIAL DUTY CRAWLER EXCAVATOR WITH DEMOLITION SET, 22M HEIGHT CAPACITY

SPECIFICATION	REQUIRED	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, special duty crawler excavator with demolition set, 22m height capacity, of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new.	Yes	(Y/N)	
c)	Designed to heavy export specifications, capable of operating in tropical conditions.	Yes	(Y/N)	
d)	Demolition attachment 22m high capacity and accessories supplied	Yes, mandatory	(Y/N)	
e)	Backhoe excavator attachment and accessories supplied	Yes, mandatory	(Y/N)	
f)	Grabber attachment and accessories supplied	Yes, mandatory	(Y/N)	
g)	Cutting attachment (for cutting concrete slab) and accessories supplied.	Yes, mandatory	(Y/N)	
h)	Tiltable type cabin , 30 ⁰ (suitable for demolition application)	Yes, mandatory	(Y/N)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
i)	Fitted with protection grid for the cabin , (suitable for demolition application)	Yes, mandatory	(Y/N)	
j)	Other guard plates/reinforcements for undercarriage and other structures	Yes specify	.....(Y/N) -----	
k)	Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes, mandatory	.....(Y/N)	
2	DEMOLITION EQUIPMENT REQUIREMENTS			
a)	Rotary drive with hydraulic system	Yes	.....(Y/N)	
b)	Complete hydraulic system and control for hammers/shears	Yes	.....(Y/N)	
c)	Hoist cylinders with valves	Yes	.....(Y/N)	
d)	Basic boom suitably mounted at bottom foot Bracket or equivalent	Yes	.....(Y/N)	
e)	Heavy counter weight 8t approx.. Dimensions l x w x h , 1000x3000x800mm approx	Yes specify	.....(Y/N) -----	
f)	Suitable Demolition boom , 9.3m approx.	Yes specify	.....(Y/N) -----	
g)	DEMOLITION ATTACHMENT WITH SUPPORT , RACK & CATWALKS			
i.	Transport dimensions, L x w x h , 11000x x3200 x 2500mm approx.	specify	-----	
ii.	Weight without working tool approx.	12,000kgs	-----	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
h)	Intermediate boom, 2.2m approx.	specify	-----	
i)	Suitable Demolition stick, 6.3m approx. complete With linkage	Yes, mandatory	.....(Y/N)	
j)	Suitable attachments to include backhoe bucket, demolition shears, concrete nibblers etc.	Yes, mandatory	.....(Y/N)	
k)	Suitable storage racks for demolition attachment	Yes specify	.....(Y/N) -----	
l)	Supplied with quick change adapter, adapter plate and tool	Yes, mandatory	.....(Y/N)	
m)	Demolition reach min.	12m	.....m	
n)	Operating weight complete with counter weight and 2t tools etc. approx.	60,000kgs	.....kgs	
o)	Pad width	600mm	.....mm	
p)	Ground pressure approx..	1kg/cm ²	.....kg/cm ²	
q)	Standard parking dimensions (folded with 9.3m demolition boom)			
i)	Overall length approx.	17,000m	.....
j)	Cab height approx..	3100mm	.....
ii)	Overall width range	3000-4000mm	.....
iii)	Track length approx	4400mm	.....
3	BACKHOE EQUIPMENT REQUIREMENTS			
a)	Suitable main boom , 4.3m approx.	Yes specify	.....(Y/N) -----	
b)	Rotary drive with hydraulic lines/system for main	Yes	.....(Y/N)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	boom 4.3m and stick 3.3m etc.			
c)	Suitable storage racks for backhoe attachment	Yes specify	.....(Y/N) -----	
d)	Supplied with quick change adapter, adapter plate and tool	Yes	.....(Y/N)	
e)	Backhoe attachment with storage racks & catwalks	Yes	.....(Y/N)	
i.	Transport dimensions, L xwxh approx.	8000x 3000x2500mm	.....
ii.	Weight of backhoe attachment without working tool approx.	7000kgs	.....

4. **BASIC MACHINE DIMENSIONS WITH TILTABLE CAB & INTEGRAL PROTECTION STRUCTURE**

a)	Overall length, min.	7,500 mm	.....mm	
b)	Overall width, approx.	3,000mm	.....mm	
c)	Overall height, approx.	3,600 mm	.....mm	
d)	Cab height, approx.	3,600 mm	.....mm	
e)	Ground clearance, min.	500 mm	.....mm	
f)	Track length, approx.	4,500mm	.....mm	
g)	Shoe width , approx.	600mm	.....mm	
h)	Tail swing radius, approx.	3,500mm	.....mm	
i)	Weight, approx.	48,000kg	.....Kg	

3. **ENGINE**

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

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
d)	4-cycle, water-cooled, direct injection	Yes	(Y/N)	
e)	Mode of aspiration	Turbo(mandatory)	(Y/N)	
f)	No. of cylinders	Specify	.....
g)	Engine capacity, approx.	10,000 -15,000cc	cc	
h)	Maximum Rated Power min	250-300HP/2000rpm	.....
i)	Maximum Rated Torque, min.	1200Nm/1400rpm	.....

4. WORKING RANGE

a)	Max. height, approx.	12,000mm	.....mm	
b)	Max. loading height, approx.	9,000mm	.....mm	
c)	Max. digging depth, approx.	7,000mm	.....mm	
d)	Bucket digging force, approx.	250kN	.....kN	
e)	Arm digging force, approx.	160kN	.....kN	
f)	Bucket capacity, approx.	1.75m ³	.....m ³	
g)	360 ⁰ swing	Yes	.....(Y/N)	
		Specify swing rate	-----	

5. HYDRAULIC SYSTEM

a)	Type.	Variable displacement piston pumps	.....(Y/N)	
b)	Max. flow, approx.	2x300 l/min	.....l/min	
c)	Max. pressure, approx.: Power mode Normal	Specify	.....Kg/cm ²........Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
Implements, Travel, Swing, Pilot circuits.		.....Kg/cm ²	

6. DRIVE, BRAKES & UNDERCARRIAGE

a) Steering control	Hydrostatic	.....Y/N	
b) Max. drawbar pull, approx.	300kN	.....KN	
c) Max. travel speed, approx.	4km/h	.....Km/h	
d) Service brake system	Specify	.....
e) Parking brake system.	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....
j) No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a) Fuel tank, approx.	500Lts	..... Lts	
b) Cooling system	40Lts	.....Lts	
c) Engine oil, approx.	30Lts	.....Lts	
d) Final drive, approx.	15Lts	.....Lts	
e) Hydraulic system (including tank)	300Lts	.....Lts	

8. OPERATOR'S STATION

--	--	--	--

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
a)	Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	..... Y/N	
b)	Cab hydraulically tiltable 30 ⁰ , ROPS, damped and safety glass windows fitted.	Yes	..... Y/N	

9 EQUIPMENT (OR ACCESSORIES) ETC.

a)	Hammer equipment , accessories and complete hydraulic system	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----	
b)	Demolition shears/concrete slab cutting equipment , accessories and complete hydraulic system	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----	
c)	Concrete nibblers , accessories and complete hydraulic system	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----	
d)	Suitable grabber attachment	Yes mandatory specify make, model, capacity & attach brochures	.....(Y/N) -----	
e)	Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify		

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
f) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N	

10

WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N	
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)Y/N	
c) Machine warranty min.	2000hrs or 1year whichever comes first	

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MANUALS

a) All literature in English language.	YesY/N	
b) Shop manual/CD supplied.	1 per machine MandatoryY/N	
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N	
d) Driver's handbook, warranty and service schedule supplied.	1 per machineY/N	

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OTHER REQUIREMENT

a) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)	
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications prior to delivery to the user.	Yes Mandatory	_____(Y/N)	
c) Chevrons and reflectors fitted			

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
on rear to conform to Kenya Traffic Act.	Yes	------(Yes/No)	
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
e) Availability of spare parts.	Indicate 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) Firm to fix, test run and commission machine with all attachments	Yes, Mandatory	_____(Y/N)	
h) Adequate training on the operation and maintenance of machine to be provided by experts from the manufacturers or their agent at suppliers Cost.	Yes (Mandatory)	_____(Y/N)	

13. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N	
iv) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N	
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	

vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vii) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
viii)Transmission Filter -10No.	Yes (Mandatory)	.....Y/N	
ix) Fan belt set – 5No.	Yes(Mandatory)	.....Y/N	
x) Travel motor seals -4sets.	Yes (Mandatory)	.....Y/N	
xi) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N	
xii) Bucket tips – 3 sets	Yes (Mandatory)	.....Y/N	
xiii) Side cutters-3sets	Yes (Mandatory)	.....Y/N	
<u>TENDERER'S REMARKS</u>			

8. CRAWLER EXCAVATOR WITH BREAKER SET, 140-160HP. MEDIUM DUTY.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	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, crawler backhoe excavator of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new.	Yes	(Y/N)	
c)	Designed to light export specifications, capable of operating in tropical conditions.	Yes	(Y/N)	
d)	Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	

2. SHIPPING DIMENSIONS

a)	Overall length, approx	9,500 mmmm	
----	------------------------	----------	---------	--

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
b)	Overall width, approx.	2,800mm	.....mm	
c)	Overall height,.	2,900 mm	.....mm	
d)	Cab height, approx.	3,000 mm	.....mm	
e)	Ground clearance, min.	400 mm	.....mm	
f)	Track length, approx.	4,400mm	.....mm	
g)	Shoe width , approx.	400mm	.....mm	
h)	Tail swing radius, approx.	2,500mm	.....mm	
i)	Operating weight, approx.	19,000-22,000kg	.....Kg	

3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	4-cycle, water-cooled, direct injection	Yes	(Y/N)	
e)	Mode of aspiration	Turbo(mandatory)	(Y/N)	
f)	No. of cylinders	Specify	(Y/N)	
g)	Engine capacity, approx.	Specify	cc	
h)	Maximum Rated Power.	140-170HP/2000rpm	No.	
i)	Maximum Rated Torque, min.	600Nm/1400rpm	KW/rpm	

4. WORKING RANGE

a)	Max. height, approx.	7000mm	.....mm	
b)	Max. loading height,	6000mm	.....mm	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	approx.			
c)	Max. digging depth, approx.	6000mm	.....mm	
d)	Bucket digging force, approx.	150kN	.....kN	
e)	Arm digging force, approx.	130kN	.....kN	
f)	Bucket capacity, approx.	0.9m ³	.....m ³	

5. HYDRAULIC SYSTEM

a)	Type.	Variable displacement piston pumps	.....(Y/N)	
b)	Max. flow, approx.	2x200 l/min	.....l/min	
c)	Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ²........Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²	

6. DRIVE, BRAKES & UNDERCARRIAGE

a)	Steering control	Hydrostatic	.....Y/N	
b)	Max. drawbar pull, approx.	200kN	.....KN	
c)	Max. travel speed, approx.	3km/h	.....Km/h	
d)	Service brake system	Specify	.....

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
e)	Parking brake system.	Specify	.....
f)	Undercarriage centre frame	Specify	.....
a)	Track frame	Specify	.....
b)	No. of shoes	Specify	.....
c)	No. of carrier rollers	Specify	.....
j)	No. of track rollers	Specify	.....

7. **COOLANT & LUBRICANT CAPACITY**

a)	Fuel tank, approx.	300Lts	..... Lts	
b)	Cooling system	20Lts	.....Lts	
c)	Engine oil, approx.	20Lts	.....Lts	
d)	Final drive, approx.	6Lts	.....Lts	
e)	Hydraulic system (including tank)	200Lts	.....Lts	

8. **OPERATOR'S STATION**

a)	Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N	
b)	Cab hydraulically damped and safety glass windows fitted.	Yes	.....Y/N	

9 **EQUIPMENT (OR ACCESSORIES) ETC.**

a)	Any other equipment that the manufacturer deems necessary for	Specify		
----	---	---------	--	--

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	the optimum efficiency of the machine.			
b)	Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N	
c)	Air conditioning system	Yes (Mandatory)	.....(Y/N)	
d)	FM radio with CD player	Yes (Mandatory)	.....(Y/N)	
e)	Hour meter tamper proof, with memory and data retrievable	Yes	.....Y/N	

10 WARRANTY

a)	Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N	
b)	Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N	
c)	Machine warranty min.	Specify	.....

11 MANUALS

a)	All literature in English language.	Yes	.....Y/N	
b)	Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N	
c)	Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N	
d)	Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N	

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
12 <u>OTHER REQUIREMENT</u>			
a) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)	
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications delivery to the user.	Yes Mandatory	_____(Y/N)	
c) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	----- (Yes/No)	
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
e) Availability of spares.	Indicate dealers who stock spare parts.	----- -----	
f) Names and addresses of dealers/agents where back-up service can be	Specify	----- ----- -----	

	SPECIFICATION	REQUIRED	TENDERER'S ----- -----	COMPLIANCE
	obtained indicating the location of the workshop facilities.			
g)	Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)	
h)	Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts form the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	

18. TO SUPPLY THE FOLLOWING EQUIPMENT AS A SEPARATE ATTACHMENT

I.	A STANDARD HYDRAULIC BREAKER SET/ HAMMER LINE	Yes(Mandatory)	------(Yes/No)	
a)	Make	-	-----	
b)	Model	-	-----	
c)	Country of origin	-	-----	
d)	Supplied crawler excavator to have hydraulic lines/other attachments for the breaker	Yes(Mandatory)	------(Yes/No)	
e)	Suitable for breaking all classes of concrete, cutting asphalt and tamping	Yes(Mandatory)	------(Yes/No)	
f)	Shank size, diameter x length approx	specify	----x----mm	
g)	Weight, range.	1,000-1,800Kg	-----Kg	

h)	Hydraulic flow range.	150-200 l/min.	----- l/min.	
i)	Working pressure range.	12-20MPa	-----MPa	
i)	Impact energy rating, approx.	4,000 joules	-----joules	
k)	Blow frequency rating range approx.	300-500 b/min.	-----b/min	
II. BREAKER TOOLS				
a)	Moil point	Yes	----- (Yes/No)	
b)	Flat wedge chisel.	Yes	----- (Yes/No)	
c)	Any other tools supplied:	Specify	-----	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i)	Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii)	Diesel Filter P – 10No.	Yes (Mandatory)	.....Y/N	
iii)	Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N	
iv)	Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
v)	Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi)	Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
vii)	Transmission Filter -10No.	Yes (Mandatory)	.....Y/N	
viii)	Fan belt set – 3No.	Yes (Mandatory)	.....Y/N	
ix)	Travel motor seals -4sets.	Yes(Mandatory)	.....Y/N	
x)	Greasing gun heavy duty-1No.	Yes (Mandatory)	.....Y/N	
xi)	Bucket tips – 5 sets	Yes (Mandatory)	.....Y/N	

xii) Diesel Filter S – 10No	Yes (Mandatory)	.....Y/N	
<u>TENDERER' S REMARKS</u>			

9. CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM

MOT&I/MTD/QMS/1755			
SPECIFICATION NO.: MTD-2806-0502-23		Page 268 of 9	
TENDERER'S NAME:		NO:	
TENDER NO:		ITEM NO:	QTY:
DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.			
TENDERER'S Column to be completed by tenderer			
SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
Make	-		
Model	-		
Country of origin	-		
Manufacturer's literature, authority(including warranty) and specifications supplied.	Yes mandatory	(Y/N)	

1. GENERAL

a)	A standard production, crawler backhoe excavator of latest design, proven performance and in current production.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new.	Yes	(Y/N)	
c)	Designed to light export specifications, capable of operating in tropical conditions.	Yes	(Y/N)	
d)	To be supplied with an inbuilt fleet management system from the manufacturer	Yes (Mandatory)	.....(Y/N)	
e)	Any items not included in this specification but which are deemed necessary for the operation of the equipment shall be fitted/supplied.	Yes	.....(Y/N)	

2. SHIPPING DIMENSIONS

a)	Overall length, approx.	9,500 mmmm	
----	-------------------------	----------	---------	--

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
b) Overall width, approx.	2,800mm	.....mm	
c) Overall height approx.	3,100 mm	.....mm	
d) Cab height, approx.	3,000 mm	.....mm	
e) Ground clearance, min.	400 mm	.....mm	
f) Track length, approx.	4,000mm	.....mm	
g) Shoe width , min.	400mm	.....mm	
h) Tail swing radius, min.	2,500mm	.....mm	
i) Operating weight, approx.	19,000-23,000kg	.....Kg	

3. ENGINE

a) Make	-		
b) Model	-		
c) Country of origin	-		
d) 4-cycle, water-cooled, direct injection	Yes	(Y/N)	
e) Mode of aspiration	Turbo(mandatory)	(Y/N)	
f) No. of cylinders	Specify	(Y/N)	
g) Engine capacity, approx.	Specify	cc	
h) Maximum Rated Power.	140-160HP/2000rpm	No.	
i) Maximum Rated Torque, min.	600Nm/1400rpm	KW/rpm	

4. WORKING RANGE

a) Max. height, min.	7000mm	.....mm	
b) Max. loading height, approx.	6000mm	.....mm	

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
c) Max. digging depth, approx.	6000mm	.....mm	
d) Bucket digging force, min.	130kN	.....kN	
e) Arm digging force, min.	110kN	.....kN	
f) Bucket capacity, approx.	0.9m ³	.....m ³	

5. HYDRAULIC SYSTEM

a) Type.	Variable displacement piston pumps	.....(Y/N)	
b) Max. flow, approx.	2x200 l/min	.....l/min	
c) Max. pressure, approx.: Power mode Normal Implements, Travel, Swing, Pilot circuits.	Specify	.....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ².....Kg/cm ²	

6. **DRIVE, BRAKES & UNDERCARRIAGE**

a) Steering control	Hydrostatic	.....Y/N	
b) Max. drawbar pull, approx.	200kN	.....KN	
c) Max. travel speed, approx.	5km/h	.....Km/h	
d) Service brake system	Specify	.....
e) Parking brake system.	Specify	.....
f) Undercarriage centre frame	Specify	.....
a) Track frame			

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	Specify	.....
b) No. of shoes	Specify	.....
c) No. of carrier rollers	Specify	.....
j) No. of track rollers	Specify	.....

7. COOLANT & LUBRICANT CAPACITY

a) Fuel tank, approx.	300Lts	..... Lts	
b) Cooling system	20Lts	.....Lts	
c) Engine oil, approx.	15Lts	.....Lts	
d) Final drive, approx.	6Lts	.....Lts	
e) Hydraulic system (including tank)	200Lts	.....Lts	

8. OPERATOR'S STATION

a) Operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	.....Y/N	
b) Cab hydraulically damped and safety glass windows fitted.	Yes	.....Y/N	

9. EQUIPMENT (OR ACCESSORIES) ETC.

a) Any other equipment that the manufacturer deems necessary for the optimum efficiency of the machine.	Specify		
b) Manufacturers standard tools to be supplied	Yes (Mandatory)	.....Y/N	
c) Air conditioning system	Yes (Mandatory)	.....(Y/N	

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
)	
d) FM radio with CD player	Yes (Mandatory)	.....(Y/N)	
e) Hour meter tamper proof, with memory and data retrievable	Yes (Mandatory)	.....Y/N	
10 FLEET MANAGEMENT SYSTEM-to be fitted and supplied with the equipment			
a) MAKE	-		
b) MODEL	-		
c) COUNTRY OF ORIGIN	-		
d) Manufacturer's Literature, authority and Specifications Supplied(To be forwarded together with these specifications.)	Yes (Mandatory)	.....(Y/N)	
e) To be fitted by the manufacturer of equipment/or in conjunction with equipment manufacturer	Yes (Mandatory) specify	.....(Y/N)	
f) User to be able to log in and obtain/print technical data of equipment, date of initial delivery when new, hours of usage , total hours of operation, present location in the country, fault codes, part no. of spare to be replaced, oil levels among others.	Yes (Mandatory) Specify and list available information	.....(Y/N)	
g) Ability to count actual hours of usage in case of device failure, malfunction, disconnection or external interference (device to give correct hours of usage on repair, or hour meter repair or reconnection, electrical	Yes (Mandatory)	.....(Y/N)	

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
cabling repair or replacement)			
h) Device to be concealed and secretly fitted in equipment, not easy to see, locate or tamper	Yes (Mandatory)	.....(Y/N)	
i) User to propose to supplier, five (5) No. min. of its officers/engineers to be allowed access to each equipment data for monitoring of usage purposes	Yes (Mandatory)	.....(Y/N)	
j) Supplier to train user staff on usage and maintenance at no cost to the user	Yes (Mandatory)	.....(Y/N)	
k) Fleet management device to be fitted and accessed at no cost to the user for the economic life of the machine, (min. 10years)	Yes (Mandatory) Specify years	.....(Y/N) -----	
l) User not to be charged any subscription fee/any fee during the economic life of machine (10years approx..)	Yes (Mandatory) Specify years	.....(Y/N) -----	
m) Supplier to provide free maintenance , free trouble shooting and repair	Yes (Mandatory) specify	.....(Y/N)	

11 WARRANTY

a) Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N	
b) Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N	
c) Machine warranty 1 yr/1000hr min.	Specify	.....

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
12 MANUALS			
a) All literature in English language.	Yes	.....Y/N	
b) Shop manual/CD supplied.	1 per machine Mandatory	.....Y/N	
c) Parts catalogue/ CD supplied.	1 per machine Mandatory	.....Y/N	
d) Driver's handbook, warranty and service schedule supplied.	1 per machine	.....Y/N	

13 OTHER REQUIREMENT

a) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act and have a certificate from the vehicle inspection unit.	Yes Mandatory	_____(Y/N)	
b) Equipment to be inspected by the Chief Mechanical and Transport Engineer for compliance with the specifications delivery to the user.	Yes Mandatory	_____(Y/N)	
c) Chevrons and reflectors fitted on rear to conform to Kenya Traffic Act.	Yes	------(Yes/No)	
d) Franchise holder (representative in Kenya) If not, specify relationship with the Franchise holder and should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
e) Availability of spare parts.	Indicate dealers who stock spare parts.	----- -----	

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
f) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshop facilities.	Specify	----- ----- ----- ----- -----	
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts form the manufacturers' or their agent.	Yes (Mandatory)	_____(Y/N)	
14. SERVICE PARTS FOR 2000HRS OF OPERATION			
viii) Oil filter - 10No. ix) Diesel Filter P – 10No. x) Corrosion Filter – 10No. xi) Outer Air Cleaner – 10No. xii) Inner Air Cleaner – 10No. xiii) Hydraulic Filter – 10No. xiv)Transmission Filter -10No. viii) Fan belt set – 3No. ix) Travel motor seals -4sets. x) Greasing gun heavy duty-1No.	Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory)	.....Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N	

SPECIFICATION NO.: MTD-2806-0502-23

TENDERER'S NAME:

NO:

TENDER NO:

ITEM NO:

QTY:

DESCRIPTION: CRAWLER EXCAVATOR , 140-160HP. WITH INBUILT FLEET MANAGEMENT SYSTEM.

TENDERER'S Column to be completed by tenderer

SPECIFICATION

xi) Bucket tips – 5 sets

xii) Diesel Filters – 10No

REQUIRED

Yes (Mandatory)

Yes (Mandatory)

TENDERER'S

.....Y/N

.....Y/N

COMPLIANCE

TENDERER'S REMARKS

10. MOTOR GRADER, 180-200HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature, authority and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)	

1. GENERAL

a)	A Standard production, diesel powered, six wheeled, tandem drive, motor grader of latest design in class, robust construction and of proven performance 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 and rugged terrains; for maintenance of hard packed roads with embedded rock, heavy fill spreading, ripping/scarifying of asphalt or concrete and be a motor grader capable of delivering continuous high load factor.	Yes	.....(Y/N)	
d)	Any item not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be included /	Yes	.....(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
fitted.			

2. DIMENSIONS AND WEIGHTS

a)	Overall length, (exclusive of the ripper length), approx.	8,300-9,000mm	..... mm	
b)	Overall width, approx.	2,400mm	..... mm	
c)	Overall height, approx.	3,100mm	..... mm	
d)	Wheelbase, approx.	5,800-6,300mm	..... mm	
e)	Basic operating weight, approx.	14 - 17Tons.	..... Ton.	
f)	Blade width, approx.	3700mm	-----mm	
g)	Blade load, approx.	Specify	..... Kgf	

3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)	
e)	Diesel Engine, water-cooled, 4 Stroke.	Yes, Yes. Yes	.....(Y/N)	
f)	Mode of aspiration, Turbocharged.	Yes (Mandatory)	.....(Y/N)	
g)	Piston displacement, approx.	Specify	..... cc	
h)	Number of cylinders.	6	..... no.	
I)	Flywheel horsepower (HP/rpm), range	177-200HP	..... HP	
		2000-3000 rpm	.....rpm	
j)	Maximum torque developed NM/ minimum.	650Nm	..... Nm	
		1300 Rpm	..... rpm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
rpm, approx			
k) Air filter, Dry /Oil bath.	Specify	.....
l Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour	
o) Fuel tank capacity, min	300 Lt	..... Lt	

4. TRANSMISSION.

a) Transmission Type:	Power shift (Mandatory)	.....(Y/N)	
b) No. of speeds, min.	6F 3R (Mandatory)	.....F.....R	

5. HYDRAULICS

g) Pump output – approx	1500Lts/Min	.....Lt/Min	
h) Standby Pressure Approx	3MPA	.....Mpa	
i) System Pressure, Max	20Mpa	.....Mpa	

6. FRAME

a) Should be flanged, of box-section design	Yes.	.....(Y/N)	
b) <u>SECTION DIMENTION</u>			
vii) Width, approx.	280mm	.....mm	
viii) Height, approx.	300mm	.....mm	

7. AXLES

a) Oscillating type with leaning front axle wheels.	Yes, Yes	.....(Y/N)	
b) Tandem roller chain drive, rear axle.	specify	.....

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
8. WHEELS.			
a) Front and rear tires.	Yes	.....(Y/N)	
b) Size	Specify	-----x-----	
9. STEERING.			
a) Hydraulic power steering.	Yes	.....(Y/N)	
b) Steering range, right or left, approx.	45 degrees	.....degrees	
c) Minimum turning radius.	7.2 m	..... m	
d) Articulation angle, Left/Right	25 degrees	.....degrees	
10. BRAKES.			
a) Pneumatically/Hydraulically actuated brakes.	specify	.....(Y/N)	
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)	
11. CIRCLE.			
a) Single piece rolled ring forging	Yes	.....(Y/N)	
b) Outside diameter, approx.	1,300mm	..... mm	
c) Turning angle.	360 degrees	.....degrees	
d) Circle rotation control.	hydraulic	.....(Y/N)	
12. MOULDBOARD.			
a) Heavily reinforced steel mouldboard, wear resistant length, approx. height, approx. thickness, approx.	3700mm 620mm 20mm	..... mm mm mm	
b) High strength cutting edges, replaceable type, width, approx. thickness, approx.	Yes 150mm 16mm	..... mm mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
c) Endbit dimensions: width, approx. thickness, approx.	150mm 16mm	..... mm mm	

13. BLADE RANGE.

a) Lift above ground, approx.	440mm	..... mm	
b) Drop below ground, approx.	500mm	..... mm	
c) Maximum shoulder reach outside of tires, right, left,	specify specify	..... mm mm	
d) Max.depth of cut, approx.	specify	..... mm	
e) Maximum blade position, angle (both sides)	specify	.....degrees	
f) Blade base.	Specify	..... mm	
g) Circle centre shift. right, left,	specify specify	.....mm.....mm	
h) Hydraulically operated blade tilt.	Yes (Mandatory)	.....(Y/N)	
i) Extended blade position.	Yes	.....(Y/N)	

14. CAB.

a) Totally enclosed ROPS cab fitted with lockable doors and safety- glass all round -360 degree visibility	Yes (Mandatory)(Y/N)	
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15. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes(Y/N)	
b) Alternator charging.	Yes	.....(Y/N)	
c) Battery capacity, approx.	specify	..... AH	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
d) Standard instruments and gauges:			
i) Speedometer	Yes	.....(Y/N)	
ii) Servicemeter- tamper proof , with memory and data retrievable	Yes	.....(Y/N)	
iii) Engine oil pressure gauge.	Yes	.....(Y/N)	
iv) Water temperature gauge.	Yes	.....(Y/N)	
v) Panel lamps.	Yes	.....(Y/N)	
vi) Battery charge lamp.	Yes	.....(Y/N)	
vii) Fuel gauge.	Yes	.....(Y/N)	
viii) Two head and rear lights.	Yes	.....(Y/N)	
ix) Stop & turning signal lights.	Yes	.....(Y/N)	
x) Revolving flasher mounted on top of cab.	Yes(Mandatory)	.....(Y/N)	

16. EQUIPMENT AND ACCESSORIES.

a) Manufacturer's complete tools, kit supplied.	Yes (Mandatory)	.....(Y/N)	
b) Comprehensive list of standard and specialized tools to be supplied with the grader to be attached.	Yes (Mandatory)	.....(Y/N)	
c) Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)	
d) Ripper attached	Yes (Mandatory)	.....(Y/N)	
e) Scarifier attached/equivalent	Yes (Mandatory)	.....(Y/N)	
f) With compressor and air pressure line with pipe for tyre Inflation/equivalent	Yes (Mandatory)	.....(Y/N)	
g) To be supplied with 1No. Spare	Yes	.....(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
wheels.	(Mandatory)		
h) Air conditioning system	Yes (Mandatory)	.....(Y/N)	
i) FM radio with CD player	Yes (Mandatory)	.....(Y/N)	

17. WARRANTY

a) Grader supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b) Grader warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours	

18. MANUALS

a) All literature in English language	Yes	.....(Y/N)	
b) Operator's Manual, supplied.	1 per Grader	.....(Y/N)	
b) Shop Manual/CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)	
c) Parts catalogue /CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)	

19. OTHER REQUIREMENT

a) Grader to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	.....(Y/N)	
b) Grader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	.....(Y/N)	
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition be of demonstrable capacity to offer after sales back-up service and any other technical support.	Yes Specify whether agent/dealer	.....(Y/N) -----	
d) Availability of spares.	Indicate motor	.....

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	dealers who stock spare parts. Specify	----- ----- ----- -----	
f) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	

19. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N	
iv) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
v) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
vi) Hydraulic Filler – 3No.	Yes (Mandatory)	.....Y/N	
vii) Transmission Filter -3No.	Yes (Mandatory)	.....Y/N	
viii) Fan Belt set – 2No.	Yes (Mandatory)	.....Y/N	
ix) Diesel filter secondary-10No..	Yes(Mandatory)	.....Y/N	
x) Heavy duty Greasing gun, bucket type -2No.	Yes (Mandatory)	.....Y/N	
xi)Cutting edges , 5sets	Yes (Mandatory)	.....Y/N	
xii)End bits, 2sets	Yes (Mandatory)	.....Y/N	

11. MOTOR GRADER, 155-175HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature, authority and specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)	

1. GENERAL

a)	A Standard production, diesel powered, six wheeled, tandem drive, motor grader, of latest design in class, robust construction, of proven performance and 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)	Any item 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 AND WEIGHTS

a)	Overall length, (exclusive of the ripper length), approx.	8,300mm	..... mm	
b)	Overall width, approx.	2,400mm	..... mm	
c)	Overall height, approx.	3,100mm	..... mm	
d)	Wheelbase, approx.	5,800mm	..... mm	
e)	Basic operating weight range.	12.6- 14.6 Ton.	..... Ton.	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
f) Blade width, approx.	3700mm	-----mm	
g) Blade load, approx.	60KN	..... KN	
f) Blade cutting depth minimum.	100mm (Mandatory)	-----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 Stroke.	Yes, Yes. Yes	.....(Y/N)	
f) Mode of aspiration	Turbocharged mandatory	.....(Y/N)	
g) Piston displacement, approx.	Specify	..... cc	
h) Number of cylinders.	6	..... no.	
I) Flywheel horsepower (HP/rpm), range	155-175HP	..... HP	
	2000-3000 rpm	.....rpm	
j) Maximum torque developed min. approx	Nm rpm,	..... Nm	
	600Nm, mandatory 1500 rpm	..... rpm	
k) Air filter, Dry /Oil bath.	Specify	.....
l) Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour	
o) Fuel tank capacity, min	280 Lt	..... Lt	

4. TRANSMISSION.

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
a) Transmission Type:	Power shift (Mandatory)	.....(Y/N)	
b) No. of speeds F/Rminimum	6F/3F (Mandatory)	.....F.....R	

5. FRAME

a) Should be flanged, of box-section design	Yes.	.....(Y/N)	
b) <u>SECTION DIMENSION</u> ix) Width, approx. x) Height, approx.	280mm 300mm	.....mm.....mm	

6. AXLES

a) Oscillating type with leaning front axle wheels.	Yes, Yes	.....(Y/N)	
b) Tandem roller chain drive, rear axle.	specify	.....

7. WHEELS.

a) Front and rear tires.	Yes	.....(Y/N)	
b) Size	Specify	-----x-----	
c) To be supplied with 1No. spare wheel	Yes (Mandatory)	.....(Y/N)	

8. STEERING.

a) Hydraulic power steering.	Yes	.....(Y/N)	
b) Steering range, right or left, approx.	50 degrees	.....degrees	
c) Minimum turning radius less than.	7.2 m	..... m	
d) Articulation angle, Left/Right	25 degrees	.....degrees	

9. BRAKES.

a) Pneumatically/Hydraulically actuated brakes.	specify	.....(Y/N)	
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
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10. CIRCLE.

a) Single piece rolled ring forging	Yes(Y/N)	
b) Outside diameter, min	1,300mm mm	
c) Turning angle.	360 degrees	.....degrees	
d) Circle rotation control.	hydraulic	.....(Y/N)	

11. MOULDBOARD.

a) Heavily reinforced steel mouldboard, wear resistant length, approx. height, approx. thickness, approx.	3700mm 620mm 20mm	..... mm mm mm	
b) High strength cutting edges, replaceable type, width, approx. thickness, approx.	Yes 150mm 16mm	..... mm mm	
c) Endbit dimensions: width, approx. thickness, approx.	150mm 16mm	..... mm mm	

12. BLADE RANGE.

a) Lift above ground, approx.	415mm	..... mm	
b) Drop below ground, approx.	500mm	..... mm	
c) Maximum shoulder reach outside of tires, right, left,	specify specify	..... mm mm	
d) Max.depth of cut, minimum.	480mm	..... mm	
e) Maximum blade position, angle (both sides)	specify	.....degrees	
f) Blade base.	Specify	..... mm	
g) Circle centre shift.	specify	.....mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
right, left,	specify	.....mm	
h) Hydraulically operated blade tilt.	Yes	.....(Y/N)	
i) Extended blade position.	Yes	.....(Y/N)	

13. CAB.

a) Totally enclosed cab with anti-roll bars (ROPS) fitted with lockable doors and safety- glass all round -360 degree visibility	Yes mandatory(Y/N)	
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14. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes(Y/N)	
b) Alternator charging.	Yes	.....(Y/N)	
c) Battery capacity, approx.	specify	..... AH	
d) Standard instruments and gauges:			
i) Speedometer	Yes	.....(Y/N)	
ii) Servicemeter-tamper proof , with memory and data retrievable	Yes	.....(Y/N)	
iii) Engine oil pressure gauge.	Yes	.....(Y/N)	
iv) Water temperature gauge.	Yes	.....(Y/N)	
v) Panel lamps.	Yes	.....(Y/N)	
vi) Battery charge lamp.	Yes	.....(Y/N)	
vii) Fuel gauge.	Yes	.....(Y/N)	
viii) Two head and rear lights.	Yes	.....(Y/N)	
ix) Stop & turning signal lights.	Yes	.....(Y/N)	
x) Revolving flasher mounted on top of cab.	Yes(Mandatory)	.....(Y/N)	

15. EQUIPMENT AND ACCESSORIES.

a) Manufacturer's complete tools, kit	Yes (Mandatory)(Y/N)	
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
supplied.			
b) Comprehensive list of standard and specialized tools to be supplied with the grader to be attached	Yes (Mandatory)	.....(Y/N)	
c) Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)	
d) Ripper attached	Yes (Mandatory)	.....(Y/N)	
e) Scariffier attached	Yes (Mandatory)	.....(Y/N)	
f) Fitted with compressor and air pressure line with pipe for tyre inflation/equivalent.	Yes (Mandatory)	.....(Y/N)	
g) Fitted with a protection plate for the engine/transmission	Yes (Mandatory)	.....(Y/N)	
h) Air conditioning system	Yes (Mandatory)	.....(Y/N)	
i) FM radio with CD player	Yes (Mandatory)	.....(Y/N)	

16. WARRANTY

a) Grader supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b) Grader warranty min., 2000Hrs or One (1) year, whichever comes first.	specify	..... hours	

17. MANUALS

a) All literature in English language	Yes (Mandatory)	.....(Y/N)	
b) Operator's Manual, warranty and service manual, supplied.	1 per Grader (Mandatory)	.....(Y/N)	
b) Repair Manual/CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)	
c) Parts catalogue /CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)	

18 OTHER REQUIREMENTS

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
a) Grader to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	_____(Y/N)	
b) Grader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition have demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d) Availability of spare parts.	Indicate motor dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	_____(Y/N)	

19. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 5No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 5No.	Yes (Mandatory)	.....Y/N	
iii) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N	
iv) Outer Air Cleaner – 3No.	Yes (Mandatory)	.....Y/N	

v) Inner Air Cleaner – 3No.	Yes (Mandatory)	.....Y/N	
vi) Hydraulic Filler – 3No.	Yes (Mandatory)	.....Y/N	
vii) Transmission Filter -3No.	Yes (Mandatory)	.....Y/N	
viii) Fan Belt set – 2No.	Yes (Mandatory)	.....Y/N	
ix) Diesel filter secondary-5No..	Yes(Mandatory)	.....Y/N	
x) Heavy duty Greasing gun, bucket type -2No.	Yes (Mandatory)	.....Y/N	
xi)Cutting edges , 2sets	Yes (Mandatory)	.....Y/N	
xii)End bits, 2sets	Yes (Mandatory)	.....Y/N	

12. MOTOR GRADER, 205-230HP

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
MAKE	-		
MODEL	-		
COUNTRY OF ORIGIN	-		
Manufacturer's Literature, authority and Specifications Supplied (To be forwarded together with these specifications when duly filled in.)	Yes (Mandatory)	.....(Y/N)	

1. GENERAL

a)	A Standard production, diesel powered, six wheeled, tandem drive, motor grader of latest design in class, robust construction and of proven performance 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 and rugged terrains; for maintenance of hard packed roads with embedded rock, heavy fill spreading, ripping/scarifying of asphalt or concrete and be a motor grader capable of delivering continuous high load factor.	Yes	.....(Y/N)	
d)	Any item not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be included / fitted.	Yes	.....(Y/N)	

2. DIMENSIONS AND WEIGHTS

a)	Overall length, (exclusive of the ripper length), approx.	8,400-9,000mm	..... mm	
b)	Overall width, approx.	2,700mm	..... mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
c) Overall height, approx.	3,100-3,400mm	..... mm	
d) Wheelbase, approx.	5,900-6,600mm	..... mm	
e) Basic operating weight, approx.	15 - 18Tons.	..... Ton.	
f) Blade width, approx.	4000mm	-----mm	
g) Blade load, approx.	Specify	..... Kgf	

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, Turbocharged.	Yes (Mandatory)	.....(Y/N)	
g) Piston displacement, approx.	Specify	..... cc	
h) Number of cylinders.	6	..... no.	
I) Flywheel horsepower (HP/rpm), range (Gross power min.)	205-230HP	..... HP	
	2000-3000 rpm	.....rpm	
j) Maximum torque developed minimum. approx	950Nm	..... Nm	
	1300 Rpm	..... rpm	
k) Air filter, Dry /Oil bath.	Specify	.....
l) Oil and fuel filter type	Disposable	.....
m) Oil cooler type	Specify	.....
n) Average fuel consumption.	Specify	..... Lt/hour	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
o) Fuel tank capacity, min	340 Lt	..... Lt	

4. TRANSMISSION.

a) Transmission Type:	Power shift (Mandatory)	.....(Y/N)	
b) No. of speeds, min.	6F 3R (Mandatory)	.....F.....R	

5. HYDRAULICS

j) Pump output – approx	1500Lts/Min	.....Lt/Min	
k) Standby Pressure Approx	3MPA	.....Mpa	
l) System Pressure, Max	20Mpa	.....Mpa	

6. FRAME

a) Should be flanged, of box-section design	Yes.	.....(Y/N)	
b) <u>SECTION DIMENTION</u>			
xi) Width, approx.	280mm	.....mm	
xii) Height, approx.	300mm	.....mm	

7. AXLES

a) Oscillating type with leaning front axle wheels.	Yes, Yes	.....(Y/N)	
b) Tandem roller chain drive, rear axle.	specify	.....

8. WHEELS.

a) Front and rear tires.	Yes	.....(Y/N)	
b) Size	Specify	-----x-----	

9. STEERING.

a) Hydraulic power steering.	Yes	.....(Y/N)	
b) Steering range, right or left, approx.	45 degrees	.....degrees	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
c) Minimum turning radius.	7.2 m	..... m	
d) Articulation angle, Left/Right	25 degrees	.....degrees	

10. BRAKES.

a) Pneumatically/Hydraulically actuated brakes.	specify	.....(Y/N)	
b) Manually actuated multiple oil-disc parking brake to act on transmission.	Yes	.....(Y/N)	

11. CIRCLE.

a) Single piece rolled ring forging	Yes	.....(Y/N)	
b) Outside diameter,	1,300mm	..... mm	
c) Turning angle.	360 degrees	.....degrees	
d) Circle rotation control.	hydraulic	.....(Y/N)	

12. MOULDBOARD.

a) Heavily reinforced steel mouldboard, wear resistant length, approx. height, approx. thickness, approx.	3700mm 620mm 20mm	..... mm mm mm	
b) High strength cutting edges, replaceable type, width, approx. thickness, approx.	Yes 150mm 16mm	..... mm mm	
c) Endbit dimensions: width, approx. thickness, approx.	150mm 16mm	..... mm mm	

13. BLADE RANGE.

a) Lift above ground, approx.	400mm	..... mm	
b) Drop below ground, approx.	500mm	..... mm	
c) Maximum shoulder reach outside of tires,	specify	..... mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
right, left,	specify	..... mm	
d) Max.depth of cut, approx.	specify	..... mm	
e) Maximum blade position, angle (both sides)	specify	.....degrees	
f) Blade base.	Specify	..... mm	
g) Circle centre shift. right, left,	specify specify	.....mm.....mm	
h) Hydraulically operated blade tilt.	Yes (Mandatory)	.....(Y/N)	
i) Extended blade position.	Yes	.....(Y/N)	

14. CAB.

a) Totally enclosed ROPS cab fitted with lockable doors and safety- glass all round -360 degree visibility	Yes (Mandatory)(Y/N)	
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15. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage, negative earth.	24V, Yes(Y/N)	
b) Alternator charging.	Yes	.....(Y/N)	
c) Battery capacity, approx.	specify	..... AH	
d) Standard instruments and gauges:			
i) Speedometer	Yes	.....(Y/N)	
ii) Servicemeter-tamper proof, with memory and data retrievable	Yes	.....(Y/N)	
iii) Engine oil pressure gauge.	Yes	.....(Y/N)	
iv) Water temperature gauge.	Yes	.....(Y/N)	
v) Panel lamps.	Yes	.....(Y/N)	
vi) Battery charge lamp.	Yes	.....(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
vii) Fuel gauge.	Yes	.....(Y/N)	
viii) Two head and rear lights.	Yes	.....(Y/N)	
ix) Stop & turning signal lights.	Yes	.....(Y/N)	
x) Revolving flasher mounted on top of cab.	Yes(Mandatory)	.....(Y/N)	

16. EQUIPMENT AND ACCESSORIES.

a)	Manufacturer's complete tools, kit supplied.	Yes (Mandatory)	.....(Y/N)	
b)	Comprehensive list of standard and specialized tools to be supplied with the grader to be attached.	Yes (Mandatory)	.....(Y/N)	
c)	Reflective chevrons at rear, licence plate holder at front and rear to conform to Kenya Traffic Act, CAP.403 Tenth schedule.	Yes	.....(Y/N)	
d)	Ripper attached	Yes (Mandatory)	.....(Y/N)	
e)	Scariffier/equivalent attached	Yes (Mandatory)	.....(Y/N)	
f)	With compressor and air pressure line with pipe for tyre Inflation/equivalent	Yes (Mandatory)	.....(Y/N)	
g)	To be supplied with 1No. Spare wheel.	Yes (Mandatory)	.....(Y/N)	
h)	Air conditioning system	Yes (Mandatory)	.....(Y/N)	
i)	FM radio with CD player	Yes (Mandatory)	.....(Y/N)	

17. WARRANTY

a)	Grader supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b)	Grader warranty min., 2000Hrs or One (1) year, whichever comes first.	specify hours	

18. MANUALS

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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
a) All literature in English language	Yes	.....(Y/N)	
b) Operator's Manual, supplied.	1 per Grader	.....(Y/N)	
b) Shop Manual/CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)	
c) Parts catalogue /CD, supplied.	1 per Grader (Mandatory)	.....(Y/N)	

19 OTHER REQUIREMENT

a) Grader to be registered by the Registrar of Motor Vehicles before delivery to user.	Yes (Mandatory)	.....(Y/N)	
b) Grader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	.....(Y/N)	
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition be of demonstrable capacity to offer after sales back-up service and any other technical support.	Yes Specify whether agent/dealer	.....(Y/N) -----	
d) Availability of spare parts.	Indicate motor dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	.....(Y/N)	
g) Adequate training on the operation and maintenance of machine to be provided for a period of one week by experts from the manufacturers or their agent.	Yes (Mandatory)	.....(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
19. SERVICE PARTS FOR 2000HRS OF OPERATION			
i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter-primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N	
iv) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
v) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
vi) Hydraulic Filter – 3No.	Yes (Mandatory)	.....Y/N	
vii) Transmission Filter -3No.	Yes (Mandatory)	.....Y/N	
viii) Fan Belt set – 2No.	Yes (Mandatory)	.....Y/N	
ix) Cutting edges – 5 sets.	Yes(Mandatory)	.....Y/N	
x) Greasing gun heavy duty-1No.	Yes (Mandatory)	.....Y/N	
xi) Diesel Filter- secondary – 10No.	Yes (Mandatory)	.....Y/N	
xii) Heavy duty Greasing gun, bucket type - 2No.	Yes(Mandatory)	.....Y/N	
xiii) Cutting edges , 3sets	Yes (Mandatory)	.....Y/N	
xiv) End bits, 2sets	Yes (Mandatory)	.....Y/N	

13. WHEELED BACKHOE LOADER, MEDIUM DUTY

TENDERER'S Column to be completed by tenderer

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	Make	-		
	Model	-		
	Country of origin	-		
	Manufacturer's literature, authority and specifications supplied.	Yes, mandatory	(Y/N)	
1.	<u>GENERAL</u>			
a)	A standard production, wheeled backhoe loader , medium duty, 80HP, of latest design in current production, of proven performance.	Yes, Yes, Yes	(Y/N)	
b)	Supplied new.	Yes	(Y/N)	
c)	Designed to medium duty export specifications, capable of operating in tropical conditions.	Yes	(Y/N)	
d)	With a front loader and a rear excavator equipment	Yes	(Y/N)	
e)	Suitable for a multipurpose work such as digging, grading, dozing, loading, backfilling, trench making, cleaning.	Yes, Yes, Yes	(Y/N)	
f)	Any other item necessary for optimum efficiency or use of equipment as per the manufacturers design to be fitted.	specify		
2.	<u>SHIPPING DIMENSIONS</u>			

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
a)	Overall length(with bucket extended and touching ground and excavator retracted), approx.	6,000 mm	.....mm	
b)	Rear frame width(excavator retracted), approx.	2,350mm	.....mm	
c)	Shovel width(bucket folded down), approx.	2,350mm	.....mm	
d)	Total travel clearance, approx.	3,500 mm	.....mm	
e)	Cab height, approx.	3,000 mm	.....mm	
f)	Ground clearance, min.	300 mm	.....mm	
g)	Wheel base, approx.	2,200mm	.....mm	
h)	Tail swing radius, approx.	specify	.....mm	
i)	Operating weight, approx.	8,000kg	.....Kg	

3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	4-cycle, water-cooled, direct injection	Yes	(Y/N)	
e)	Mode of aspiration	Natural/Turbo	(Y/N)	
f)	No. of cylinders	4/6	----	
g)	Engine capacity	4,000-8,000 cc	cc	
h)	Maximum Rated Power	80HP/2200rpm	-----HP/----rpm	
i)	Maximum Rated Torque, min.	310Nm/1400rpm	Nm/rpm	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
j)	Max. loader capacity, approx.	1.0m ³	.....m ³	
k)	Max. backhoe digging depth	4,000mm	---mm	
4.	WORKING RANGE LOADER			
a)	Max. dump height, approx.	2700mm	.....mm	
b)	Max. loading height, approx.	3,200mm	.....mm	
c)	Max. digging depth, approx.	50mm	.....mm	
d)	Loader breakout at bucket(Bucket digging force), approx.	65kN	.....kN	
e)	Loader breakout-arm(Arm digging force), approx.	45kN	.....kN	
f)	Lift force capacity to full height approx.	32KN		
g)	Bucket capacity, approx.	1.0m ³	.....m ³	
h)	Bucket width.	2350mm		
i)	Max. reach at full height approx.	1100mm	----mm	
j)	Reach at full height fully dumped approx.	750mm	----mm	
k)	Reach at ground(toe plate horizontal) approx.	1350mm	----mm	
l)	Rollback angle at ground approx.	45 ⁰	----- ⁰	
m)	Dump angle approx.	45 ⁰	----- ⁰	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
5.	WORKING RANGE - BACKHOE			
a)	Excavator bucket width approx.	600mm	.....mm	
b)	Max. digging depth, approx.	4,000mm	.....mm	
c)	Max. reach-ground level to rear wheel centre approx.	6,700mm	.....mm	
d)	Side reach to centre line of machine	5,900mm	.....mm	
e)	Operating height approx.	5,400mm	.....mm	
f)	Bucket tear out (digging force), approx.	55kN	.....kN	
g)	Dipper tearout (arm digging force), approx.	40kN	.....kN	
h)	Lift capacity of bucket pivot at full reach.	1400Kg.	-----Kg.	
i)	Bucket capacity, approx.	0.20m ³	.....m ³	
j)	Max. loadover height approx.	3,800mm	.....mm	
k)	Bucket rotation approx.	200 ⁰	----- ⁰	
6.	HYDRAULIC SYSTEM			
a)	Type of hydraulic circuit system	specify	.....
b)	Main pump output, approx.	70 l/min	.....l/min	
c)	Max. pressure, approx. Implements, Travel,	Specify	.....bar.....bar.....bar.....bar	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	Swing, Pilot circuits.			
d)	Main relief valve setting	specify	-----Bar	
e)	Backhoe and loader working pressure approx.	250bar	-----Bar	
7.	DRIVE, BRAKES, UNDERBODY ETC			
a)	Steering control	Hydrostatic	..... Y/N	
b)	Max. drawbar pull, approx.	115kN	.....KN	
c)	Max. travel speed, approx.	30km/h	.....Km/h	
d)	Service brake system	Specify	.....
e)	Parking brake system.	Specify	.....
f)	Robust undercarriage with torsion free chassis	Specify	.....
g)	Rear drive axle Oscillating front drive axle	Specify	..... .....
h)	With stabilisers	Yes Specify type/No	..... Y/N 	
i)	Tyres 4No and 1No spare.	Specify size	Front..... Rear..... Spare.....	
	COOLANT & LUBRICANT CAPACITY			

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
8.				
a)	Fuel tank, approx.	160Lts	..... Lts	
b)	Cooling system	18Lts	.....Lts	
c)	Engine oil, approx.	15Lts	.....Lts	
d)	Power shift transmission, approx.	16Lts	.....Lts	
e)	Hydraulic system (including tank) approx.	130Lts	.....Lts	
f)	Rear axle approx.	16Lts	.....Lts	
g)	Front drive axle approx.	16Lts	.....Lts	
9.	<u>OPERATOR'S STATION</u>			
a)	ROPs cab with operator's seat tilt-able and can slide forward and backward together with work equipment control levers.	Yes	..... Y/N	
b)	Cab hydraulically damped and safety glass windows fitted.	Yes	..... Y/N	
10	<u>EQUIPMENT (OR ACCESSORIES) ETC.</u>			
a)	Revolving beacon or flashing lights fitted	Yes (Mandatory)	.....Y/N	
b)	To supply a suitable breaker set assembly (machine itself to have breaker line system) .	Yes (Mandatory) Give details of breaker: Make Type	.....Y/N -----	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
		Diameter		
11	<u>WARRANTY</u>			
a)	Specimen of machine warranty to be submitted when tendering.	Yes	.....Y/N	
b)	Each machine supplied to carry a statement of warranty.	Yes (Mandatory)	.....Y/N	
c)	Machine warranty min.	Specify	.....
12	<u>MANUALS</u>			
a)	All literature in English language.	Yes	.....Y/N	
b)	Shop manual supplied.	1 per machine (Mandatory)	.....Y/N	
c)	Parts catalogue supplied.	1 per machine (Mandatory)	.....Y/N	
d)	Operator's handbook and service schedule supplied.	1 per machine (Mandatory)	.....Y/N	
13	<u>OTHER REQUIREMENT</u>			
a)	Equipment to be registered by the Registrar of Motor Vehicles on being certified to be compliant with the Traffic Act CAP 403 by the Certifying Officer before delivery to CM&TE	Yes (Mandatory)	_____(Y/N)	
b)	Firm to fix, test run and commission machine with breaker assembly	Yes, Mandatory	_____(Y/N)	

	SPECIFICATION	REQUIRED	TENDERER'S	COMPLIANCE
	and other attachments			
c)	Adequate training on the operation and daily maintenance of machine to be provided at the time of acceptance by technical experts from the manufacturer or agent	Yes (Mandatory)	_____(Y/N)	
d)	Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and in addition should be of demonstrable capacity to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	
e)	Availability of spare parts.	Indicate motor dealers who stock spare parts.	----- -----	
f)	Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.	Specify	----- ----- ----- -----	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N	

iv) Corrosion Filter – 10No.	Yes (Mandatory)	.....Y/N	
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vii) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
viii) Transmission Filter -10No.	Yes (Mandatory)	.....Y/N	
ix) Fan belt sets – 3No.	Yes(Mandatory)	.....Y/N	
x) Travel motor seals -4sets.	Yes (Mandatory)	.....Y/N	
xi) Greasing gun bucket type-1No.	Yes (Mandatory)	.....Y/N	
xii) Bucket tips – 3 sets	Yes (Mandatory)	.....Y/N	
<u>TENDERER' S REMARKS</u>			

14. WHEEL LOADER, 2.4 – 2.8m³, 140-175HP

TENDERER'S SPECIFICATION Column to be completed by ALL

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

1. GENERAL

a)	A Standard production, all purpose wheel loader, of latest design, robust construction, of proven performance and 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)	Any item 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 AND WEIGHTS

a)	Overall length (bucket on ground), approx.	7,000-8,000mm	..... mm	
b)	Overall width approx.	3,000mm	..... mm	
c)	Overall height (bucket on ground), approx..	3,400mm	..... mm	
d)	Bucket width, approx.	2,500-3,200mm	..... mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

	SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e)	Wheelbase, approx.	3,200mm	..... mm.	
f)	Turning radius (outside corner of bucket), approx..	6000mm	-----mm	
g)	Ground clearance, approx.	400mm	..... mm	
h)	Operating weight approx.	14,000-17,000Kg	.....Kg	

3. ENGINE

a)	Make	-		
b)	Model	-		
c)	Country of origin	-		
d)	Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)	
e)	4 Stroke, 6 cylinder, direct injection, water cooled, Diesel Engine.	Yes, Yes. Yes	.....(Y/N)	
f)	Piston displacement, approx	Specify	.....cc	
g)	Flywheel power/ r.p.m , min.	150-200HP		
h)	Max. torque minimum.	700NM/1300rpm	-----	
I)	Turbocharged engine.	Yes	.....(Y/N)	
j)	Disposable air cleaner with clogging indicator	Yes	.....(Y/N)	
k)	Fuel tank capacity.	190Lt		

4. TRANSMISSION, POWER TRAIN AND AXLES.

a)	Transmission type.	Hydro shift	.....
b)	Torque converter type.	Yes	.....(Y/N)	
c)	Drive, 4x4.	Specify	.....(Y/N)	
d)	Torque multiplication.	Specify	.....
e)	Axles, four wheel drive, front axle fixed .	Yes, Yes, Yes	.....(Y/N)	
f)				

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
Rear axle oscillation, minimum	Specify	.....(Y/N	
g) Vertical travel at centre of tyre, min	Specify	.....mm	

5. STEERING.

a) Full power steering, frame articulated with 40 deg. Minimum turn in each direction.	Yes, Yes, Yes	.....(Y/N)	
b) Steering pump type, steering hydraulic circuit (at governed engine speed and relief pressure) approx..	Specify	.....
c) Minimum relief pressure approx.	Specify	.....
d) Minimum turning radius	6 000 mm	.....mm	

6. HYDRAULIC SYSTEM

a) Controls-Hand operated levers for bucket Boom positions- Raise, hold, down (pressure and float) Bucket positions – Rollback, hold and pump	Yes Yes Yes	.....(Y/N) .....(Y/N) .....(Y/N)	
b) Loader hydraulic operating at full throttle, fully loaded. Raise boom, maximum time Lower boom, maximum time.	6.0 sec 5.0 sec	..... sec.....sec	
c) Main hydraulic pump type.	Specify		
d) Main hydraulic output at governed speed and relief valve pressure, approx..	145 L/min	.....L/min	
e) Relief valve pressure setting, approx.	20 MPa	..... MPa	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
f) Cylinders(bore x stroke) Specify dimensions for Lift ----- -----x----- Tilt cylinders ----- -----x-----	Specify dimension	-----x----- -----x-----	

7. BRAKES AND TYRES.

a) Service brakes- power actuated 4 wheel inboard mounted Brake type, disc (dry, wet) etc 2 brake pedals by selectable switch	Yes, Yes, Yes Specify Yes	.....(Y/N) ..... .....(Y/N)	
b) Parking brake type with warning light on dash.	Yes	.....(Y/N)	
c) Tyre Size Locally available	specify Yes	..... .....(Y/N)	
d) Complete spare wheel supplied	Yes (Mandatory)	.....(Y/N)	

8. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage.	24Volts	..... Volts	
b) Battery capacity	2x12 Volts	.....
c) Alternator, approx.	50 Amps	..... Amps	
d) Gauges- coolant temperature, hour meter, engine oil pressure, fuel level, transmission oil temperature and pressure and ammeter	Yes(Y/N)	

9. BUCKET

a) Capacity, heaped	2.4-3.0m ³m ³	
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10. CANOPY

a) Enclosed cab ROPS Standard	ISO 3471-1980 or Equivalent (Mandatory)(Y/N)	
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
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11. WARRANTY

a)	Each wheel loader supplied should carry a statement of warranty.	Yes (Mandatory)(Y/N)	
b)	Wheel loader warranty min., 1500Hrs or 1 year whichever comes first	specify	..... Hours	

12. MANUALS

a)	All literature in English language	Yes	.....(Y/N)	
b)	Operator's, warranty and service Manual, supplied.	1 per wheel loader	.....(Y/N)	
b)	Shop Manual book/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)	
c)	Parts catalogue book /CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a)	Wheel loader to be registered by the Registrar of Motor Vehicles before delivery to CM&TE.	Yes (Mandatory)	_____(Y/N)	
b)	Wheel loader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
c)	Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable ability to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d) Availability of spare parts.	Indicate equipment dealers who stock 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) Adequate training on the operation and maintenance of Machine to be provided at the time of acceptance by technical experts from the manufacturer or agents	Yes (Mandatory)	_____(Y/N)	
g) Manufacturers standard tools to be supplied	Yes (Mandatory)		
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N	
iv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N	
v) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
vi) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	

vii) Hydraulic Filter – 5No.	Yes (Mandatory)	.....Y/N	
viii) Transmission Filter -5No.	Yes (Mandatory)	.....Y/N	
ix) Fan Belt set – 3Set.	Yes(Mandatory)	.....Y/N	
x) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N	
<u>TENDERER' S REMARKS</u>			

15. WHEEL LOADER, 3.0 – 5.0m³, 215-240HP

TENDERER'S SPECIFICATION Column to be completed by ALL

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

1. GENERAL

a)	A Standard production, all purpose wheel loader, of latest design, robust construction, 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)	Any item 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 AND WEIGHTS

a)	Overall length (bucket on ground), approx.	8,000-9,000mm	..... mm	
b)	Overall width , approx.	3, 000mm	..... mm	
c)	Overall height , approx.,	3,500mm	..... mm	
d)	Bucket width, approx.	2,500-3,100mm	..... mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Wheelbase, approx.	3,400mm	..... mm.	
f) Turning radius (outside corner of bucket), approx..	6000mm	-----mm	
g) Ground clearance, approx.	500mm	..... mm	
h) Operating weight .	18,000-22,000Kg	.....Kg	

3. ENGINE

a) Make	-		
b) Model	-		
c) Country of origin	-		
d) Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)	
e) 4 Stroke, 6 cylinder, direct injection, water cooled, Diesel Engine.	Yes, Yes. Yes	.....(Y/N)	
f) Piston displacement, approx	Specify	.....cc	
g) Flywheel power/ r.p.m , min.	215-240HP/2200rpm	-----	
h) Max. torque/rpm min.	900NM/1400rpm	-----	
I) Turbocharged/ Naturally aspirated engine.	Specify		
j) Disposable air cleaner with clogging indicator	Yes		
k) Fuel tank capacity approx.	300Lt		

4. TRANSMISSION, POWER TRAIN AND AXLES.

a) Transmission type.	Hydro shift		
b) Torque converter type.	Yes		
c) Drive, 4x4.	Specify	.....(Y/N)	
d) Torque multiplication.	Specify	.....

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Axles, four wheel drive, front axle fixed .	Yes, Yes, Yes	.....(Y/N	
f) Rear axle oscillation, minimum	Specify	.....(Y/N	
g) Vertical travel at centre of tyre .	Specify	.....mm	

5. STEERING.

a) Full power steering, frame articulated with 40 deg. Minimum turn in each direction.	Yes, Yes, Yes	.....(Y/N)	
b) Steering pump type, steering hydraulic circuit (at governed engine speed and relief pressure) approx..	Specify	.....
c) Minimum relief pressure approx.	Specify	.....
d) Minimum turning radius	8, 000 mm	.....mm	

6. HYDRAULIC SYSTEM

a) Controls-Hand operated levers for bucket Boom positions- Raise, hold, down (pressure and float) Bucket positions – Rollback, hold and pump	Yes Yes Yes	.....(Y/N) .....(Y/N) .....(Y/N)	
b) Loader hydraulic operating at full throttle, fully loaded. Raise boom, maximum time Lower boom, maximum time.	7.0 sec 4.0 sec	..... sec.....sec	
c) Main hydraulic pump type.	Specify		
d) Main hydraulic output at governed speed and relief	250 L/min	.....L/min	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
valve pressure, approx..			
e) Relief valve pressure setting, approx.	20 MPa	..... MPa	
f) Cylinders(bore x stroke) Specify dimensions for Lift ----- ----- -x----- Tilt cylinders ----- ----- -x-----	Specify dimension	. .. .... -x----- -----x-----	

7. BRAKES AND TYRES.

a) Service brakes- power actuated 4 wheel inboard mounted Brake type, disc (dry, wet) etc 2 brake pedals by selectable switch	Yes, Yes, Yes Specify Yes	.....(Y/N) ..... .....(Y/N)	
b) Parking brake type with warning light on dash.	Yes	.....(Y/N)	
c) Tyre type Tyre (including spare) locally manufactured Optimum tyre size	specify Yes specify	..... .....(Y/N)	
d) To be supplied with 1No. spare wheel	Yes (Mandatory)	.....(Y/N)	

8. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage.	24Volts	..... Volts	
b) Battery capacity	2x12 Volts	.....
c) Alternator, approx.	50 Amps	..... Amps	
d) Gauges- coolant temperature, hour meter, engine oil pressure, fuel level, transmission oil temperature and pressure and ammeter	Yes(Y/N)	

9. BUCKET .

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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
a) Bucket make and model.	-	.....
b) Country of origin	-	.....
c) Capacity, heaped	3.0-5.5m ³	.....m ³	
d) Digging depth approx.	120mm	-----mm	

10. CANOPY

a) ROPS Standard	ISO 3471-1980 or Equivalent(Y/N)	
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11. WARRANTY

a) Each wheel loader supplied should carry a statement of warranty.	Yes (Mandatory)(Y/N)	
b) Wheel loader warranty min., 2000Hrs or 1 year whichever comes first	specify	..... Hours	

12. MANUALS

a) All literature in the English language	Yes	.....(Y/N)	
b) Operator's Manual/CD, supplied.	1 per wheel loader	.....(Y/N)	
b) Repair Manual/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)	
c) Parts catalogue/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a) Wheel loader to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)	
b) Wheel loader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery	Yes	_____(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
to the user.			
c) Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d) Availability of spare parts.	Indicate motor dealers who stock 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) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
14. SERVICE PARTS FOR 2000HRS OF OPERATION			
i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N	
iv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N	
v) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
vii) Hydraulic Filter – 5No.	Yes (Mandatory)	.....Y/N	
viii) Transmission Filter -5No.	Yes (Mandatory)	.....Y/N	
ix) Fan Belt set – 3No.	Yes(Mandatory)	.....Y/N	
x) Hub oil seal kit – 4 sets	Yes (Mandatory)	.....Y/N	
xi) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N	
xii) Bucket tips – 5 sets	Yes (Mandatory)	.....Y/N	
xiii) Bucket cylinder seal kit – 2 sets	Yes (Mandatory)	.....Y/N	
xiv) Lift cylinder seal kit – 2 sets	Yes(Mandatory)	.....Y/N	
xv) Steering cylinder seal kit-2 sets	Yes(Mandatory)	.....Y/N	
<u>TENDERER'S REMARKS</u>			

16. WHEEL LOADER, MEDIUM DUTY, 1.2 – 1.7m³

TENDERER'S SPECIFICATION Column to be completed by ALL

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

1. GENERAL

a)	A Standard production, all purpose wheel loader, of latest design, robust construction, of proven performance and in current production	Yes, Yes, Yes	.....(Y/N)	
b)	Supplied new.	Yes	.....(Y/N)	
c)	Designed to medium duty specifications, capable of operating in tropical conditions.	Yes	.....(Y/N)	
d)	Any item not included in this specification but which are deemed necessary for efficient or improved operation of the equipment shall be fitted/supplied.	Yes mandatory	.....(Y/N)	

2. DIMENSIONS AND WEIGHTS

a)	Overall length (bucket on ground), approx.	7,000mm	..... mm	
b)	Overall width (bucket in full raise), approx.	2 500mm	..... mm	
c)	Overall height (bucket on ground), approx., min.	3,100mm	..... mm	
d)	Bucket width, approx.	2,500mm	..... mm	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
e) Wheelbase, approx.	2,700mm	..... mm.	
f) Turning radius (outside corner of bucket), approx..	6,000mm	-----mm	
g) Ground clearance, approx.	340mm	..... mm	
h) Operating weight approx.	10,000Kg	.....Kg	

3. ENGINE

a) Make	-		
b) Model	-		
c) Country of origin	-		
d) Engine performance curves supplied.	Yes (Mandatory)	.....(Y/N)	
e) 4 Stroke, 6 cylinder, direct injection, water cooled, Diesel Engine.	Yes, Yes. Yes	.....(Y/N)	
f) Piston displacement, approx	Specify	.....cc	
g) Flywheel power/ r.p.m , min.	110-150HP		
h) Max. torque minimum.	500NM/1300rpm	-----	
I) Turbocharged engine.	Yes	.....(Y/N)	
j) Disposable air cleaner with clogging indicator	Yes	.....(Y/N)	
k) Disposable Oil and fuel tank capacity.	150Lt		

4. TRANSMISSION, POWER TRAIN AND AXLES.

a) Transmission type.	Hydro shift	.....(Y/N)	
b) Torque converter type.	Yes	.....(Y/N)	
c) Drive, 4x4.	Specify	.....(Y/N)	
d) Torque multiplication.	Specify	.....
e) Axles, four wheel drive, front axle fixed .	Yes, Yes, Yes	.....(Y/N)	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
f) Rear axle oscillation, minimum	Specify	.....(Y/N	
g) Vertical travel at centre of tyre, min	Specify	.....mm	

5. STEERING.

a) Full power steering, frame articulated with 40 deg. Minimum turn in each direction.	Yes, Yes, Yes	.....(Y/N)	
b) Steering pump type, steering hydraulic circuit (at governed engine speed and relief pressure) approx..	Specify	.....
c) Minimum relief pressure approx.	Specify	.....
d) Minimum turning radius	6 000 mm	.....mm	

6. HYDRAULIC SYSTEM

a) Controls-Hand operated levers for bucket Boom positions- Raise, hold, down (pressure and float) Bucket positions – Rollback, hold and pump	Yes Yes Yes	.....(Y/N) .....(Y/N) .....(Y/N)	
b) Loader hydraulic operating at full throttle, fully loaded. Raise boom, maximum time Lower boom, maximum time.	5.5 sec 3.0 sec	..... sec.....sec	
c) Main hydraulic pump type.	Specify		
d) Main hydraulic output at governed speed and relief valve pressure, approx..	145 L/min	.....L/min	
e) Relief valve pressure setting, approx.	20 MPa	..... MPa	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
f) Cylinders(bore x stroke) Specify dimensions for Lift ----- ----- x----- Tilt cylinders ----- ----- x-----	Specify dimension	-----x----- -----x-----	

7. BRAKES AND TYRES.

a) Service brakes- power actuated 4 wheel inboard mounted Brake type, disc (dry, wet) etc 2 brake pedals by selectable switch	Yes, Yes, Yes Specify Yes	.....(Y/N) ..... .....(Y/N)	
b) Parking brake type with warning light on dash.	Yes	.....(Y/N)	
c) Tyre Size Locally available	specify Yes	..... .....(Y/N)	
d) Complete spare wheel supplied	Yes (Mandatory)	.....(Y/N)	

8. ELECTRICAL SYSTEM AND INSTRUMENTS

a) System voltage.	24Volts	..... Volts	
b) Battery capacity	2x12 Volts	.....
c) Alternator, approx.	50 Amps	..... Amps	
d) Gauges- coolant temperature, hour meter, engine oil pressure, fuel level, transmission oil temperature and pressure and ammeter	Yes(Y/N)	

9. BUCKET

a) Capacity, heaped, minimum	1.7m ³m ³	
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10. CANOPY

a) Enclosed cab ROPS Standard	ISO 3471-1980 or Equivalent (Mandatory)/(Y/N)	
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TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
	equivalent		

11. WARRANTY

a)	Each wheel loader supplied should carry a statement of warranty.	Yes (Mandatory)	.....(Y/N)	
b)	Wheel loader warranty min., 2000Hrs or 1 year whichever comes first	specify	..... Hours	

12. MANUALS

a)	All literature in English language	Yes	.....(Y/N)	
b)	Operator's, warranty and service Manual, supplied.	1 per wheel loader	.....(Y/N)	
b)	Shop Manual book/CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)	
c)	Parts catalogue book /CD, supplied.	1 per wheel loader (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a)	Wheel loader to be registered by the Registrar of Motor Vehicles before delivery to CM&TE.	Yes (Mandatory)	_____(Y/N)	
b)	Wheel loader will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
c)	Franchise holder (representative in Kenya)? If not, specify relationship with franchise holder and should be of demonstrable ability to offer after sales service back-up and any other technical support.	Yes Specify whether agent/dealer	_____(Y/N) -----	

TENDERER'S SPECIFICATION Column to be completed by ALL

SPECIFICATION	REQUIREMENT	TENDERER'S	COMPLIANCE
d) Availability of spare parts.	Indicate equipment dealers who stock 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) Adequate training on the operation and maintenance of Machine to be provided at the time of acceptance by technical experts from the manufacturer or agents	Yes (Mandatory)	_____(Y/N)	
g) Manufacturers standard tools to be supplied	Yes (Mandatory)		
h) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary – 10No.	Yes (Mandatory)	.....Y/N	
iv) Corrosion Filter – 5No.	Yes (Mandatory)	.....Y/N	
v) Outer Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
vi) Inner Air Cleaner – 5No.	Yes (Mandatory)	.....Y/N	
vii) Hydraulic Filter – 5No.	Yes (Mandatory)	.....Y/N	

viii) Transmission Filter -5No.	Yes (Mandatory)	.....Y/N	
ix) Fan Belt set – 3Set.	Yes(Mandatory)	.....Y/N	
x) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N	

17. DRUM ROLLER, VIBRATORY, SELF PROPELLED, 10 TON

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

1. GENERAL

a)	A Standard production, articulated vibrating roller of latest design, in current production.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new, unused.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	Most suitable for soil/gravel compaction	Yes	------(Y/N)	

2. DIMENSIONS.

a)	Overall length, approx.	5,500 mm	----- mm	
b)	Overall width, approx.	2,300mm	----- mm	
c)	Overall height, approx.	3,000 mm	----- mm	
d)	Operating weight	10,000Kg	----- Kg	
e)	Static linear load, approx.	25 Kg/cm	-----Kg/cm	
f)	Wheelbase, approx.	3,000mm	----- mm	
g)	Compaction width, approx.	2100mm	-----mm	
h)	Ground clearance, approx.	400mm	----- mm	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
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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, 4/6	specify	----- No.
g)	Mode of aspiration (Natural/Turbocharged)	Turbocharged	-----
h)	Rated power output (HP/rpm), approx.	120Hp/2200	----- Hp/rpm
i)	Maximum torque, (Nm/rpm)	specify	-----
j)	Air cleaner type replaceable or oil bath.	Oil bath	------(Y/N)
k)	Oil and fuel filter type	disposable	------(Y/N)
l)	Fuel tank capacity, approx.	250 Lt	----- Lt
m)	Engine performance curves supplied.	Yes	------(Y/N)
n)	Automatic dust evacuator	Yes	------(Y/N)
o)	Hand throttle	Yes	------(Y/N)
p)	Engine derated to altitude	7000ft ASL	------(Y/N)
q)	Piston displacement, approx.	Specify	.....cc

4. VIBRATORY SYSTEM AND PERFORMANCE.

a)	Vibratory system type, hydraulic motor, manually controlled.	specify	-----
b)	Vibrator frequency, approx.	30Hz	.....Hz

SPECIFICATION		REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
c)	Centrifugal force: Minimum, approx Maximum, approx	120 KN 250 KN	.....KN.....KN	
d)	Nominal amplitude: High, approx Low, approx	1.70 m 0.85m	----- m ----- m	
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)	
f)	Number of drums.	1	.....No.	
g)	Drum diameter, approx.	1500mm	.....mm	
h)	Drum width, approx.	2100mm	.....mm	
i)	Drum shell thickness, approx.	30mm	.....mm	
j)	Static linear drum load, approx.	25 Kg/cm	-----Kg/cm	
k)	Gradeability, approx.	45 degrees	.....degrees	
l)	Cleaning scraper on drum.	Yes	------(Y/N)	

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)	
b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	6 Km/h 12 Km/h	.....Km/h.....Km/h	

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N)	
b)	Wheel size	specify	-----x-----	

	SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N	

7 STEERING

a)	Frame articulation type.	Yes	------(Y/N	
b)	Hydraulic power steering.	Yes	------(Y/N	
c)	Steering angle approx.	+/- 35 degrees	-----degrees	
d)	Turning radius: outside approx. inside approx	3500mm 5600mm	.....mm.....mm	
e)	Oscillation angle, approx. (Each direction)	+/- 15 degrees	-----degrees	

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS				
a)	Work equipment.			
	Type, variable capacity piston pump.	specify		
	Capacity, approx.	70 lt/min.	.....lt/min	
	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.	
b)	Steering			
	Gear type.	specify		
	Capacity, approx.	60lt/min	.....Lt/min	
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.	

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes, Yes, Yes.	------(Y/N)	
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10 ELECTRICAL SYSTEM

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
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AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)
b)	Battery capacity, approx.	140 Ah	.....Ah
c)	Hour meter	Yes	------(Y/N)
d)	Fuel gauge	Yes	------(Y/N)
e)	Water temperature gauge	Yes	------(Y/N)
f)	Panel lamp	Yes	------(Y/N)
g)	Battery charging lamp	Yes	------(Y/N)
h)	Engine oil pressure lamp	Yes	------(Y/N)
i)	Parking brake lamp	Yes	------(Y/N)
j)	Ammeter	Yes	------(Y/N)
k)	Horn	Yes	------(Y/N)

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs

12 MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)
b)	Shop Manual/CD supplied.	One per m/c (Mandatory)	------(Y/N)
c)	Parts catalogue/CD, supplied.	1 set per machine (Mandatory)	------(Y/N)
d)	Operators, warranty and service hand book supplied.	One per m/c	------(Y/N)

SPECIFICATION		REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
		(Mandatory)		
e)	Repair tool kit supplied.	One per m/c (Mandatory)	------(Y/N)	
f)	Comprehensive list of standard and specialized tools to be supplied with the roller to be attached.	Yes (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a)	Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)	
b)	Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)	
c)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d)	Availability of spare parts.	Indicate equipment dealers who stock 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)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
g)	Adequate training on the operation and maintenance of machine to be provided for	Yes (Mandatory)	_____(Y/N)	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
one week by experts from the manufacturers or their agents.			

14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No. ii) Diesel Filter primary – 10No. iii) Diesel Filter secondary– 10No. iii) Corrosion Filter – 10No. iv) Outer Air Cleaner – 10No. v) Inner Air Cleaner – 10No. vi) Hydraulic Filter – 10No. vii) Fan belt set – 3No. viii) Hydraulic pump service kit-1set ix) Greasing gun heavy duty-2No. x) Transmission filter-10No.	Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory) Yes (Mandatory)	.....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N .....Y/N	
<u>TENDERER' S REMARKS</u>			

18. PNEUMATIC TYRED ROLLER, 10 TON

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)	

1. GENERAL

a) A Standard production, pneumatic tyred 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)	

2. DIMENSIONS AND WEIGHTS.

a) Overall length, approx.	4,500 mm	----- mm	
b) Overall width, approx.	2,000 mm	----- mm	
c) Overall height, approx.	3,300 mm	----- mm	
d) Operating weight min.	10 Ton.	----- Ton.	
e) Wheelbase, approx.	3500 mm	----- mm	
f) Cab clearance, approx.	260mm	----- 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, min.	4	----- No.	
g)	Piston displacement, approx.	specify	.....cc	
h)	Rated power output ,(HP/rpm), approx.	120Hp/2400	----- Hp/rpm	
i)	Oil and fuel filter type	disposable	------(Y/N)	
j)	Fuel tank capacity, approx.	170 Lt	----- Lt	
k)	Engine performance curves supplied.	Yes	------(Y/N)	
l)	Automatic dust evacuator	Yes	------(Y/N)	
m)	Hand throttle	Yes	------(Y/N)	
n)	Engine derated to altitude	7000ft ASL	------(Y/N)	
o)	Air cleaner type replaceable or oil bath	Oil bath	------(Y/N)	

4 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)	
b)	Travel speed at rated RPM forward and reverse, approx.			
	1st.....	5 Km/h	.....Km/h	
	2nd.....	12 Km/h	.....Km/h	
	3rd.....	22 Km/h	.....Km/h	

5 WHEELS

a)	Rear wheels non-skid type	Yes	------(Y/N)	
b)	Wheel size	specify		

6 STEERING

a) Frame articulation type.	Yes	------(Y/N	
b) Hydraulic power steering.	Yes	------(Y/N	
c) Steering angle 30 degrees (Both right and left)	Yes	------(Y/N	

7 HYDRAULIC CONTROL UNIT.

OIL PUMPS			
a) Work equipment.			
b) Type, variable capacity piston pump.	specify		
c) Capacity, approx.	70 lt/min.	.....lt/min	
d) Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.	

8 ELECTRICALSYSTEM AND INSTRUMENTS

a) System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)	
b) Battery capacity approx.	130 Ah	.....Ah	
c) Tachometer	Yes	------(Y/N)	
d) Fuel gauge	Yes	------(Y/N)	
e) Water temperature gauge	Yes	------(Y/N)	
f) Panel lamp	Yes	------(Y/N)	
g) Battery charging lamp	Yes	------(Y/N)	
h) Engine oil pressure lamp	Yes	------(Y/N)	
i) Parking brake lamp	Yes	------(Y/N)	
j) Ammeter	Yes	------(Y/N)	
k) Horn	Yes	------(Y/N)	

9. WARRANTY.

a) Roller supplied to be covered			
----------------------------------	--	--	--

by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b) Warranty duration.	12 months or 1000Hrs which ever comes first	-----months ----- Hrs	

10 MANUALS AND EQUIPMENT.

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

12 OTHER REQUIREMENT

a) Roller to be registered by the Registrar of Motor Rollers.	Yes (Mandatory)	_____(Y/N)	
b) Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes	_____(Y/N)	
c) Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d) Availability of spare parts.	Indicate motor roller dealers who stock 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) Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)	
g) Adequate training on repairs especially on new models with new technology provided by the experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)	

13. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 20No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 20No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary– 20No.	Yes (Mandatory)	.....Y/N	
iii) Corrosion Filter – 20No.	Yes (Mandatory)	.....Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
vii)Fan belt set – 5No.	Yes (Mandatory)	.....Y/N	
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	.....Y/N	
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N	
x) Transmission filter-10No.	Yes (Mandatory)	.....Y/N	
<u>TENDERER' S REMARKS</u>			

19. DRUM ROLLER, VIBRATORY, SELF PROPELLED, 20 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated vibrating roller of latest design, of proven performance, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new, unused.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	Most suitable for soil/gravel compaction	Yes	------(Y/N)	

2. DIMENSIONS.

a)	Overall length, approx.	6,000 mm	----- mm	
b)	Overall width, approx.	2,400mm	----- mm	
c)	Overall height, approx.	3,300 mm	----- mm	
d)	Operating weight, approx.	20,000Kg	----- Kg	
e)	Static linear load, approx.	32 Kg/cm	-----Kg/cm	
f)	Wheelbase, approx.	3,100mm	----- mm	
g)	Compaction width, approx.	2100mm	-----mm	
h)	Ground clearance, approx.	390mm	----- 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, 4/6	specify	----- No.	
g)	Mode of aspiration (Natural/Turbocharged)	Specify	-----	
h)	Rated power output (HP/rpm) min.	170Hp/2000	----- Hp/rpm	
i)	Maximum torque, (Nm/rpm)	650NM	-----	
j)	Air cleaner type replaceable or oil bath.	Oil bath	------(Y/N)	
k)	Oil and fuel filter type	disposable	------(Y/N)	
l)	Fuel tank capacity, approx.	200 Lt	----- Lt	
m)	Engine performance curves supplied.	Yes	------(Y/N)	
n)	Automatic dust evacuator	Yes	------(Y/N)	
o)	Hand throttle	Yes	------(Y/N)	
p)	Engine derated to altitude	7000ft ASL	------(Y/N)	
q)	Piston displacement, approx.	Specify	.....cc	

4. VIBRATORY SYSTEM AND PERFORMANCE.

a)	Vibratory system type, hydraulic motor, manually controlled.	specify	-----	
b)	Vibrator frequency, range	28-32 Hz	.....Hz	
c)	Centrifugal force: Minimum, approx. Maximum, approx.	200 KN 350 KN	.....KN.....KN	
d)	Nominal amplitude: High, approx. Low, approx.	2.0 m 1.0m	-----m -----m	
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)	
f)	Number of drums.	1	.....No.	
g)	Drum diameter, approx.	1500mm	.....mm	
h)	Drum width, approx.	2100mm	.....mm	
i)	Drum shell thickness, approx.	30mm	.....mm	
j)	Static linear drum load, approx.	38 Kg/cm	-----Kg/cm	
k)	Gradeability, approx.	35 degrees	.....degrees	
l)	Cleaning scraper on drum.	Yes	------(Y/N)	

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)	
b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	2.5 Km/h 8 Km/h	.....Km/h.....Km/h	

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N)	
b)	Wheel size	specify	-----x-----	
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N)	

7 STEERING

a)	Frame articulation type.	Yes	------(Y/N)	
b)	Hydraulic power steering.	Yes	------(Y/N)	
c)	Steering angle approx.	+/- 35 degrees	-----degrees	
d)	Turning radius: Outside approx	6000mm	.....mm	
e)	Oscillation angle, approx. (Each direction)	+/- 15 degrees	-----degrees	

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS				
a)	Work equipment.			
	Type, variable capacity piston pump.	specify		
	Capacity, approx.	70 lt/min.	.....lt/min	
	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.	
b)	Steering			
	Gear type.	specify		
	Capacity, approx.	60lt/min	.....Lt/min	
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.	

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes, Yes, Yes.	------(Y/N)	
----	---	----------------	-------------	--

10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative			
----	-------------------------	--	--	--

	earth/alternator charging	Yes, Yes, Yes.	------(Y/N)	
b)	Battery capacity, approx.	170 Ah	.....Ah	
c)	Hour meter	Yes	------(Y/N)	
d)	Fuel gauge	Yes	------(Y/N)	
e)	Water temperature gauge	Yes	------(Y/N)	
f)	Panel lamp	Yes	------(Y/N)	
g)	Battery charging lamp	Yes	------(Y/N)	
h)	Engine oil pressure lamp	Yes	------(Y/N)	
i)	Parking brake lamp	Yes	------(Y/N)	
j)	Ammeter	Yes	------(Y/N)	
k)	Horn	Yes	------(Y/N)	

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs	

12 MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)	
b)	Shop Manual/CD supplied.	One per m/c (Mandatory)	------(Y/N)	
c)	Parts catalogue / CD, supplied.	1 set per machine (Mandatory)	------(Y/N)	
d)	Operators , warranty and service hand book supplied.	One per m/c (Mandatory)	------(Y/N)	
e)	Repair tool kit supplied.	One per m/c (Mandatory)	------(Y/N)	
f)	Comprehensive list of standard and specialized tools to be supplied with the roller to be attached.	Yes (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a)	Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)	
b)	Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the	Yes	_____(Y/N)	

	user.			
c)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d)	Availability of spare parts.	Indicate equipment dealers who stock 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)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
g)	Adequate training on the operation and maintenance of machine to be provided as per customers request.	Yes (Mandatory)	_____(Y/N)	
h)	Adequate training on repairs especially on new models with new technology provided by the experts from the manufacturer at suppliers cost.	Yes (Mandatory)	_____(Y/N)	
14. SERVICE PARTS FOR 2000HRS OF OPERATION				

i) Oil filter - 20No.	Yes (Mandatory)	.....Y/N	
ii) Diesel Filter primary – 20No.	Yes (Mandatory)	.....Y/N	
iii) Diesel Filter secondary– 20No.	Yes (Mandatory)	.....Y/N	
iii) Corrosion Filter – 20No.	Yes (Mandatory)	.....Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	.....Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	.....Y/N	
vii)Fan belt set – 5No.	Yes (Mandatory)	.....Y/N	
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	.....Y/N	
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	.....Y/N	
x) Transmission filter-10No.	Yes (Mandatory)	.....Y/N	
<u>TENDERER'S REMARKS</u>			

20. DRUM ROLLER, VIBRATORY, SELF PROPELLED, 12 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated vibrating roller of latest design, of proven performance, in current production, marketed in Kenya.	Yes, Yes, Yes	------(Y/N)	
b)	Supplied new, unused.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	Most suitable for soil/gravel compaction	Yes	------(Y/N)	

2. DIMENSIONS.

a)	Overall length, approx.	5,500 mm	----- mm	
b)	Overall width, approx.	2,300mm	----- mm	
c)	Overall height, approx.	3,000 mm	----- mm	
d)	Operating weight, approx.	12,000Kg	----- Kg	
e)	Static linear load, approx.	32 Kg/cm	-----Kg/cm	
f)	Wheelbase, approx.	3,000mm	----- mm	

SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
g) Compaction width, approx.	2100mm	-----mm	
h) Ground clearance, approx.	360mm	----- 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, 4/6	specify	----- No.	
g) Mode of aspiration (Natural/Turbocharged)	Turbocharged	-----	
h) Rated power output (HP/rpm) min.	130Hp/2200	----- Hp/rpm	
i) Maximum torque, (Nm/rpm)	specify	-----	
j) Air cleaner type replaceable or oil bath.	Oil bath	------(Y/N)	
k) Oil and fuel filter type	disposable	------(Y/N)	
l) Fuel tank capacity, approx.	250 Lt	----- Lt	
m) Engine performance curves supplied.	Yes	------(Y/N)	
n) Automatic dust evacuator	Yes	------(Y/N)	
o) Hand throttle	Yes	------(Y/N)	
p) Engine derated to altitude	7000ft ASL	------(Y/N)	
q) Piston displacement, approx.	Specify	.....cc	

4. VIBRATORY SYSTEM AND PERFORMANCE.

a) Vibratory system type, hydraulic motor, manually controlled.	specify	-----	
b) Vibrator frequency,	30-40 Hz	.....Hz	

	range			
c)	Centrifugal force: Minimum, approx. Maximum, approx.	120 KN 250 KN	.....KN.....KN	
d)	Nominal amplitude: High, approx. Low, approx.	1.70 m 0.85m	----- m ----- m	
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)	
f)	Number of drums.	1	.....No.	
g)	Drum diameter, approx.	1500mm	.....mm	
h)	Drum width, approx.	2100mm	.....mm	
i)	Drum shell thickness, approx.	30mm	.....mm	
j)	Static linear drum load, approx.	32 Kg/cm	----- Kg/cm	
k)	Gradeability, approx.	45 degrees	.....degrees	
l)	Cleaning scraper on drum.	Yes	------(Y/N)	

5 TRANSMISSION
AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)	
b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	5 Km/h 9 Km/h	.....Km/h.....Km/h	

6 WHEELS AND
BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N)	
b)	Wheel size	specify	-----x-----	
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N)	

7 STEERING

a)	Frame articulation	Yes	------(Y/N)	
----	--------------------	-----	-------------	--

	type.			
b)	Hydraulic power steering.	Yes	------(Y/N	
c)	Steering angle approx.	+/- 30 degrees	----- degrees	
d)	Turning radius: outside approx. inside approx	3500mm 5600mm	.....mm.....mm	
e)	Oscillation angle, approx. (Each direction)	+/- 12 degrees	----- degrees	

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS				
a)	Work equipment.			
	Type, variable capacity piston pump.	specify		
	Capacity, approx.	70 lt/min.	.....lt/min	
	Relief valve setting, approx.	300Kg/cm sq.	.....Kg/cm sq.	
b)	Steering			
	Gear type.	specify		
	Capacity, approx.	60lt/min	.....Lt/min	
	Relief valve setting, approx.	140 Kg/cm sq.	.....Kg/cm sq.	

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes, Yes, Yes.	------(Y/N)	
----	---	----------------	-------------	--

10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)	
b)	Battery capacity, approx.	130 Ah	.....Ah	
c)	Hour meter	Yes	------(Y/N)	
d)	Fuel gauge	Yes	------(Y/N)	
e)	Water temperature	Yes	------(Y/N)	

	gauge			
f)	Panel lamp	Yes	------(Y/N)	
g)	Battery charging lamp	Yes	------(Y/N)	
h)	Engine oil pressure lamp	Yes	------(Y/N)	
i)	Parking brake lamp	Yes	------(Y/N)	
j)	Ammeter	Yes	------(Y/N)	
k)	Horn	Yes	------(Y/N)	

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs	

12 MANUALS AND EQUIPMENT.

a)	All literature in English language	Yes	------(Y/N)	
b)	Shop Manual/CD supplied.	One per m/c (Mandatory)	------(Y/N)	
c)	Parts catalogue / CD, supplied.	1 set per machine (Mandatory)	------(Y/N)	
d)	Operators , warranty and service hand book supplied.	One per m/c (Mandatory)	------(Y/N)	
e)	Repair tool kit supplied.	One per m/c (Mandatory)	------(Y/N)	
f)	Comprehensive list of standard and specialized tools to be supplied with the roller to be attached.	Yes (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a)	Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	------(Y/N)	
----	---	--------------------	-------------	--

<p>b) Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.</p>	<p>Yes</p>	<p>_____(Y/N)</p>	
<p>c) Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.</p>	<p>Yes Specify whether agent/dealer</p>	<p>_____(Y/N) -----</p>	
<p>d) Availability of spare parts.</p>	<p>Indicate equipment dealers who stock spare parts.</p>	<p>----- ----- ----- -----</p>	
<p>e) Names and addresses of dealers/agents where back-up service can be obtained indicating the location of the workshops facilities.</p>	<p>Specify</p>	<p>----- ----- ----- -----</p>	
<p>f) Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.</p>	<p>Yes (Mandatory)</p>	<p>_____(Y/N)</p>	
<p>g) Adequate training on the operation and maintenance of machine to be provided as per customers request.</p>	<p>Yes (Mandatory)</p>	<p>_____(Y/N)</p>	
<p>h) Adequate training on repairs especially on new models with new technology provided by the experts from the manufacturer at suppliers cost.</p>	<p>Yes (Mandatory)</p>	<p>_____(Y/N)</p>	

14. SERVICE PARTS FOR 2000HRS OF OPERATION			
i) Oil filter - 10No.	Yes (Mandatory)	..... Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	..... Y/N	
iii) Diesel Filter secondary– 10No.	Yes (Mandatory)	..... Y/N	
iii) Corrosion Filter – 5No.	Yes (Mandatory)	..... Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
vi) Hydraulic Filter – 10No.	Yes (Mandatory)	..... Y/N	
vii) Fan belt set – 3No.	Yes (Mandatory)	..... Y/N	
viii) Hydraulic pump service kit-1set	Yes(Mandatory)	..... Y/N	
ix) Greasing gun heavy duty-2No.	Yes (Mandatory)	..... Y/N	
x) Transmission filter- 5No.	Yes (Mandatory)	..... Y/N	
<u>TENDERER'S REMARKS</u>			

21. SMOOTH DRUM ROLLER WITH PADFOOT(SHEEP FOOT) ATTACHMENT/SHELL, VIBRATORY, SELF PROPELLED, 10 TON

TENDERER'S Column to be completed by ALL TENDERERS

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

1. GENERAL

a)	A Standard production, articulated Vibrating, smooth drum roller , 10 ton with a detachable padfoot (sheep foot) attachment/shell of latest design, in current production and of proven performance .	Yes, Yes, Yes (Mandatory)	------(Y/N)	
b)	Supplied new, unused.	Yes	------(Y/N)	
c)	Capable of operating in tropical conditions.	Yes	------(Y/N)	
d)	Most suitable for soil/gravel / asphalt compaction	Yes	------(Y/N)	
e)	To have a detachable padfoot (sheep foot) attachment with all the necessary accessories and, suitable equipment/tools for fitting and removing.	Yes (Mandatory)	------(Y/N)	

2. DIMENSIONS.

a)	Overall length, approx.	5,500 mm	----- mm	
----	-------------------------	----------	----------	--

	SPECIFICATION	REQUIREMENT	TENDERER'S OFFER	COMPLIANCE
b)	Overall width, approx.	2,300mm	----- mm	
c)	Overall height, approx.	3,000 mm	----- mm	
d)	Operating weight minimum.	10,000Kg	----- Kg	
e)	Static linear load, approx.	32 Kg/cm	----- Kg/cm	
f)	Wheelbase, approx.	3,000mm	----- mm	
g)	Compaction width, approx.	2100mm	-----mm	
h)	Ground clearance, approx.	400mm	----- 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, 4/6	specify	----- No.	
g)	Mode of aspiration (Natural/Turbocharge d)	Turbocharged	-----	
h)	Rated power output (HP/rpm), approx.	120Hp/2200	----- Hp/rpm	
i)	Maximum torque, (Nm/rpm)	specify	-----	
j)	Air cleaner type replaceable or oil bath.	Oil bath	------(Y/N)	
k)	Oil and fuel filter type	disposable	------(Y/N)	
l)	Fuel tank capacity, approx.	250 Lt	----- Lt	
m)	Engine performance curves supplied.	Yes	------(Y/N)	

n)	Automatic dust evacuator	Yes	------(Y/N)	
o)	Hand throttle	Yes	------(Y/N)	
p)	Engine derated to altitude	7000ft ASL	------(Y/N)	
q)	Piston displacement, approx.	Specify	.....cc	

4. VIBRATORY SYSTEM AND PERFORMANCE.

a)	Vibratory system type, hydraulic motor, manually controlled.	specify	-----	
b)	Vibrator frequency, range	30-40 Hz	.....Hz	
c)	Centrifugal force: Minimum, approx. Maximum, approx.	120 KN 250 KN	.....KN.....KN	
d)	Nominal amplitude: High, approx. Low, approx.	1.70 m 0.85m	----- m ----- m	
e)	Water sprinkler tank for each drum.	Yes	.....(Y/N)	
f)	Number of drums.	1	.....No.	
g)	Drum diameter, approx.	1500mm	.....mm	
h)	Drum width, approx.	2100mm	.....mm	
i)	Drum shell thickness, approx.	30mm	.....mm	
j)	Static linear drum load, approx.	32 Kg/cm	----- Kg/cm	
k)	Gradeability, approx.	45 degrees	.....degrees	
l)	Cleaning scraper on drum.	Yes	------(Y/N)	

5 TRANSMISSION AND FINAL DRIVE.

a)	Hydrostatic main transmission.	Yes	------(Y/N)	
----	--------------------------------	-----	-------------	--

b)	Travel speed at rated RPM forward and reverse, approx. Low range High range	6 Km/h 12 Km/hKm/h.....Km/h	
----	---	-------------------	------------------------	--

6 WHEELS AND BRAKES

a)	Rear wheels non-skid type	specify	------(Y/N	
b)	Wheel size	specify	-----x-----	
c)	Hydrostatic brake system to act on both rear wheels and drum	Yes	------(Y/N	

7 STEERING

a)	Frame articulation type.	Yes	------(Y/N	
b)	Hydraulic power steering.	Yes	------(Y/N	
c)	Steering angle approx.	+/- 35 degrees	----- degrees	
d)	Turning radius: outside approx. inside approx	3500mm 5600mm	.....mm.....mm	
e)	Oscillation angle, approx. (Each direction)	+/- 15 degrees	----- degrees	

8 HYDRAULIC CONTROL UNIT.

OIL PUMPS				
a)	Work equipment.			
	Type, variable capacity piston pump.	specify		
	Capacity, approx.	70 lt/min.	.....lt/min	
	Relief valve setting, approx.	350Kg/cm sq.	.....Kg/cm sq.	
b)	Steering			
	Gear type.	specify		
	Capacity, approx.	60lt/min	.....Lt/min	
	Relief valve setting,	140 Kg/cm sq.	.....Kg/cm sq.	

approx.			
---------	--	--	--

9 CAB

a)	Cab /canopy fitted and designed to offer excellent visibility and comfort	Yes	------(Y/N)	
----	---	-----	-------------	--

10 ELECTRICAL SYSTEM AND INSTRUMENTS

a)	System voltage/negative earth/alternator charging	Yes, Yes, Yes.	------(Y/N)	
b)	Battery capacity, approx.	130 Ah	.....Ah	
c)	Hour meter	Yes	------(Y/N)	
d)	Fuel gauge	Yes	------(Y/N)	
e)	Water temperature gauge	Yes	------(Y/N)	
f)	Panel lamp	Yes	------(Y/N)	
g)	Battery charging lamp	Yes	------(Y/N)	
h)	Engine oil pressure lamp	Yes	------(Y/N)	
i)	Parking brake lamp	Yes	------(Y/N)	
j)	Ammeter	Yes	------(Y/N)	
k)	Horn	Yes	------(Y/N)	

11 WARRANTY.

a)	Roller supplied to be covered by manufacturer's warranty.	Yes (Mandatory)	------(Y/N)	
b)	Warranty duration.	2000Hrs or One (1) year, whichever comes first.	-----months ----- Hrs	

12 MANUALS AND EQUIPMENT.

a)	All literature in the English language	Yes	------(Y/N)	
b)	Shop manual 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 /standard tool kit supplied.	Yes (Mandatory)	------(Y/N)	
f)	Specialized equipment and tools for fitting the padfoot shell kit to be supplied with the roller.	Yes (Mandatory)	.....(Y/N)	

13 OTHER REQUIREMENT

a)	Roller to be registered by the Registrar of Motor Vehicles.	Yes (Mandatory)	_____(Y/N)	
b)	Roller will be inspected by the Chief Mechanical and Transport Engineer, prior to delivery to the user.	Yes (Mandatory)	_____(Y/N)	
c)	Franchise holder (representative in Kenya). If not, specify relationship with franchise holder.	Yes Specify whether agent/dealer	_____(Y/N) -----	
d)	Availability of spare parts.	Indicate equipment dealers who stock 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)	Body construction and all fitments to conform to CAP 403 Kenya Traffic Act.	Yes (Mandatory)	_____(Y/N)	
g)	Adequate training on the operation and maintenance of machine to be provided for	Yes (Mandatory)	_____(Y/N)	

one week by experts from the manufacturers or their agents.			
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14. SERVICE PARTS FOR 2000HRS OF OPERATION

i) Oil filter - 10No.	Yes (Mandatory) Y/N	
ii) Diesel Filter primary – 10No.	Yes (Mandatory)	..... Y/N	
iii) Diesel Filter secondary– 10No.	Yes (Mandatory)	..... Y/N	
iii) Corrosion Filter – 10No.	Yes (Mandatory)	..... Y/N	
iv) Outer Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
v) Inner Air Cleaner – 10No.	Yes (Mandatory)	..... Y/N	
vi) Hydraulic Filter – 10No.	Yes(Mandatory)	..... Y/N	
vii)Fan belt set – 3No.	Yes (Mandatory)	..... Y/N	
viii) Hydraulic pump service kit-1set	Yes (Mandatory)	..... Y/N	
ix) Greasing gun heavy duty- 2No.		..... Y/N	
x) Transmission filter-10No.		..... Y/N	
<u>TENDERER' S REMARKS</u>			

2. Drawings

This Tendering document includes.... *no* drawings.

3. Inspections and Tests

The following inspections and tests shall be performed: **As per Technical / Evaluation Criteria**

ii) 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, which ever 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]

iii) 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 debarred from participating in procurement proceeding under Part IV of the Act.
3. 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 here in 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.....

iv) 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 sub section (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;
3. 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 tender to whom was awarded contract, or a member of the group of tenders to whom the contract was awarded, but the subcontractor appointed shall meet all the requirements of this Act.
4. 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;
- 4.1 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.

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:
 - a) 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
 - b) acts intended to materially impede the exercise of the PPRA's or the appointed authority's inspection and audit rights provided for under paragraph 2.3e. below.
 - c) 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 award¹ 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 recommend to appropriate authority(ies) for sanctioning and debarment of a firm or individual, as applicable under the Act 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 inspect² 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.

¹For 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 rendering, 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.

² 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.

2. 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]*

ITT No.:..... *[insert number of Tendering process]*

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

1. Tenderer's Name:*[insert Tenderer's legal name]*
2. In case of JV, legal name of each member:*[insert legal name of each member in JV]*
3. Tenderer's actual or intended country of registration:*[insert actual or intended country of registration]*
4. Tenderer's year of registration:*[insert Tenderer's year of registration]*
5. Tenderer's Address in country of registration:*[insert Tenderer's legal address in country of registration]*
6. Tenderer's Authorized Representative Information
Name:*[insert Authorized Representative's name]*
Address.....*[insert Authorized Representative's Address]*
Telephone:.....*[insert Authorized Representative's telephone/fax numbers]*
Email Address:.....*[insert Authorized Representative's email address]*
7. Attached are copies of original documents of..... *[check the box(es) of the attached original documents]*
 Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITT 4.4.
 In case of JV, Form of intent to form JV or JV agreement, in accordance with ITT 4.1.
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 agency of the Procuring Entity
- A current tax clearance certificate or tax exemption certificate in case of Kenyan tenderers issued by the Kenya Revenue Authority in accordance with ITT 4.14.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

OTHER FORMS

3 TENDERER'S JV MEMBERS INFORMATION FORM

[The Tenderers 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]*

ITT No.: *[insert number of Tendering process]*

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

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 registration documents of the legal entity named above, in accordance with ITT 4.4. <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 ITT 4.6.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

4. FORM OF TENDER SECURITY - DEMAND BANK GUARANTEE

Beneficiary: _____

Request for Tenders 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 (herein after 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 there to provide 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) thirty 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)]

5. 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 (herein after called "the Principal"), and..... *[name, legal title, and address of surety]*, **authorized to transact business in**.....*[name of country of Purchaser]*, as Surety (herein after called "the Surety"), are held and firmly bound unto..... *[name of Purchaser]* as Obligee (herein after called "the Purchaser") in the sum of.....*[amount of Bond]* *[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 Purchaser dated the day of _____, 20_____, for the supply of _____. *[name of Contract]* (herein after 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 there to provide by the Principal; or
 - b) having been notified of the acceptance of its Tender by the Purchaser during the Tender Validity Period or any extension there to provide 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 Purchaser's Tendering document.

then the Surety undertakes to immediately pay to the Purchaser up to the above amount upon receipt of the Purchaser's first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser 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 there to provide 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)

TENDER-SECURING DECLARATION FORM

[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 he 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



**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

10.1 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.

10.2 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.

10.2 Arbitration proceedings shall be conducted as follows:

- 10.2.1 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.
- 10.2.2 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.
- 10.2.3 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.
- 10.2.4 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.
- 10.2.5 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.
- 10.2.6 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.
- 10.2.7 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.

10.3 Arbitration Proceedings

- 10.3.1 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
- 10.3.2 The institution written to first by the aggrieved party shall take precedence over all other institutions.

10.3.3 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.

10.4 Arbitration with Foreign Suppliers

- 10.4.1 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.
- 10.4.2 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].

10.5 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.

10.6 Failure to Comply with Arbitrator's Decision

- 10.6.1 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.

10.7 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: (*corrected tender price – tender price*)/*tender price* X 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.
- 26.4 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.
- 26.5 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.
- 26.6 The Supplier shall provide the Procuring Entity with a report of the results of any such test and/or inspection.
- 26.7 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.
- 26.8 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 twentyeight (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].

GCC 1.1(j)	The Procuring Entity is: Ministry of Lands, Public Works, Housing and Urban Development, State Department of Public Works Supplies Branch
GCC 28.3	The Final Destination(s) is/are: Point of use or as advised by Procuring Entity
GCC 8.1	<p>For notices, the Procuring Entity's address shall be:</p> <p>Attention: The Head of Supplies Branch, Supplies Branch, Likoni Road, Industrial Area.</p> <p>Postal address: P. O. Box 30743-00100, Nairobi</p> <p>Physical Address: Supplies Branch, Likoni Road, Industrial Area</p> <p>Telephone: +254 (0) 20 272 3101/271 6960</p> <p>Electronic mail address: info@suppliesbranch.go.ke</p>
GCC 10.3	Arbitration shall be conducted by Nairobi Centre for International Arbitration.
GCC 10.4.2	The place of arbitration shall be: as per the Laws of Kenya.
GCC 15.1	<p>The prices charged for the Goods supplied and the related Services performed Shall not, be adjustable.</p> <p>Prices quoted shall remain valid for a period of one year (12 months) after signing of the contract as per the Public Procurement Asset and Disposal Act, 2015. Request for variation of prices from the supplier can only be allowed after the said period has lapsed and the variation shall not exceed 15% of the cost.</p> <p>Price variation, if any, will be based on the prevailing consumer price index obtained from the Kenya National Bureau of Statistics and the monthly inflation rate from the Central Bank of Kenya.</p>

<p>GCC 16.1</p>	<p>GCC 16.1- The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment for Goods and Services supplied:</p> <p>Payment for Goods and Services supplied shall be made in <i>Kenya Shillings</i> and should be net inclusive of all taxes and delivery charges; as shown below:</p> <p>On Delivery: This being a tender for the SUPPLY AND DELIVERY OF DOZERS, EXCAVATORS, GRADERS, LOADERS AND ROLLERS AS AND WHEN REQUIRED, FOR TWO YEARS to the Government/Departments & Institutions for a period of two (2) Years commencing from the date of Contract Signing, respective Ministries / Departments & Institutions shall pay directly to the contractor on receipt of goods ordered.</p>
<p>GCC 18.1</p>	<p>A Performance Security Shall <i>not</i> be required.</p>

GCC 24.1	<p>The insurance coverage shall be as specified below:</p> <p>Goods supplied against the contract proceeding from this procurement shall be fully insured against loss, damage incidental to manufacture or acquisition, transportation, storage and delivery. The procuring entity shall not be liable for any damage or loss prior to delivery.</p>
GCC 25.1	<p>Responsibility for transportation of the Goods shall be:</p> <p><i>"The Supplier is required under the Contract to transport the Goods to a specified place of final destination within Kenya, defined as the Point of use or as advised by Procuring Entity (MDA), transport to such place of destination in Kenya, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price".</i></p>
GCC 25.2	<p>Incidental services to be provided are:</p> <p><i>As per the services covered under GCC Clause 25.2 and/or other should be specified with the desired features. The price quoted in the Tender price or agreed with the selected Supplier shall be included in the Contract Price.</i></p>
GCC 26.1	<p>The inspections and tests shall be: As per Technical / Evaluation Criteria</p>
GCC 26.2	<p>The Inspections and tests shall be conducted at: as per Point of use or as advised by Procuring Entity</p>

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.]

Date of transmission: _____

2. This Notification is sent by _____ *(Name and designation)*
_____ *[email]* on *[date]* *(local time)*

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.

		read out	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 or email 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]*

-
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 (*nameof 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*),¹ 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.....², 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."

[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 Obligee (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

_____ of In the presence of

_____ in the capacity