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KGN~OLK~041~2024

TENDER FOR ONSITE DYNAMIC BALANCING AND VIBRATION ANALYSIS OF ROTATING EQUIPMENT FOR KENGEN POWER PLANTS.

(Framework Contract for Three (3) Years)

(Citizen Contractors)

Kenya Electricity Generating Company PLC Stima Plaza Phase III, Kolobot Road, Parklands P.O. BOX 47936-00100 NAIROBI. Website: www.kengen.co.ke

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November, 2024

INVITATION TO TENDER

PROCURING ENTITY: KENYA ELECTRICITY GENERATING COMPANY PLC

CONTRACT NAME AND DESCRIPTION: TENDER FOR ONSITE DYNAMIC BALANCING AND VIBRATION ANALYSIS OF ROTATING EQUIPMENT FOR KENGEN POWER PLANTS.

The *Kenya Electricity Generating Company PLC* invites sealed Tender for Onsite Dynamic Balancing and Vibration Analysis of Rotating Equipment for KenGen Power Plants

Tendering will be conducted under open competitive method [**Citizen Contractors**] using a standardized tender document. Tendering is open to all qualified and interested Tenderers.

Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours between 8am and 5pm starting at the date of advert at the office of:

General Manager, Supply Chain Tel: (254) (020) 3666000 Email: <u>tenders@kengen.co.ke</u>; cc <u>POnyango1@kengen.co.ke</u>; <u>Erico@kengen.co.ke</u>

More details on the Services are provided in **PART 2 ~ Services' Requirements,** Section V ~ Description of Services of the Tender Document.

The document can be viewed and downloaded for free from the website <u>www.kengen.co.ke</u> and/or on E-procurement <u>https://eprocurement.kengen.co.ke:50001/irj/portal</u>. Tenderers who download the tender document must forward their particulars immediately to (<u>tenders@kengen.co.ke</u>, 0711036000 and P.O.BOX 47936-00100 postal address) to facilitate any further clarification or addendum

Bidders who are unable to download the tender documents from the website may collect them from any KenGen Supply Chain Office upon payment of a non-refundable fee of **KShs.1**, **000.00** paid via Mpesa, pay bill no. **400200 and account no. 01120069076000**, then share the MPesa message to KenGen Finance office staff for receipt and issuance of official receipt or through a banker's cheque and payable to the address given below.

STATION	SITE VISIT DATE	TIME
Upper Tana	26 th November 2024	10:00 am to 2:00 p.m.
Eastern-Kamburu	27 th November 2024	10:00 am to 2:00 p.m.
Geothermal-Olkaria	3 rd December 2024	10:00 am to 2:00 p.m.
Geothermal-Eburru	4 th December 2024	10:00 am to 2:00 p.m.
Sondu Power Station	9 th December 2024	10:00 am to 2:00 p.m.
Sang'oro Power Station	10 th December 2024	10:00 am to 2:00 p.m.
Turkwel Power Station	13 th December 2024	10:00 am to 2:00 p.m.
Kipevu Power Station	17 th December 2024	10:00 am to 2:00 p.m.
Ngong wind Power Station	19 th December 2024	10:00 am to 2:00 p.m.

There shall be **mandatory site visit** at various site(s) as per the table below;

All Tenders must be accompanied by a "**Tender security** as part of the bid document. All tender securities submitted shall be subject to authentication by KenGen.

The Original Tender Security of **KES 200,000.00** or equivalent in a freely convertible currency, in form of:

- > Tender Security from a reputable bank registered by the Central Bank of Kenya
- Guarantee issued by a financial institution approved and licensed by the Central Bank of Kenya.
- A guarantee by an **insurance company** registered and licensed by the Insurance Regulatory Authority listed by the Public Procurement Regulatory Authority.

Valid for 30 days beyond the tender validity period. All tender securities submitted shall be subject to authentication by KenGen and **MUST** be submitted in a plain sealed envelope and clearly marked **"KGN-OLK-041-2024 ~ TENDER FOR ONSITE DYNAMIC BALANCING AND VIBRATION ANALYSIS OF ROTATING EQUIPMENT FOR KENGEN POWER PLANTS."** and addressed to:

General Manager, Supply Chain, Kenya Electricity Generating Company PLC, Ground Floor, KenGen Pension Plaza I, Kolobot Road, Parklands, P.O. Box 47936, 00100 NAIROBI.

Note; The hard copy of the Original Tender Security/ E- Tender securities clearly labeled with tender name and tender description should be dropped at the tender box located on Ground Floor at KenGen, KenGen, RBS building on or before the tender closing date and Time.

Electronic tender securities are acceptable and shall be authenticated using the QR scanner.

- E- Tender securities are acceptable subject to:
 - i. Attachment of a scanned copy to the bid document.
 - ii. Submission of the e-security to the address indicated below:
 - > Such E-Security can be verified by use of a Quick Response (QR) code
 - > Such E-Security can be verified via the issuing institution's online portal

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

Completed Tender must be submitted online on or before: 19th December, 2024 at 10.00 a.m.

Electronic submission shall be permitted through our e-procurement platform found at <u>www.kengen.co.ke</u> (<u>https://eprocurement.kengen.co.ke:50001/irj/portal</u> on or before: 19th December, 2024 at 10.00 a.m. Internet Explorer and Firefox Mozilla are the preferred web browsers.

Tenders will be opened immediately after the deadline date and time specified above or any dead line date and time specified later. Tenders will be publicly opened in the presence of the Tenderers' designated representatives who choose to attend at the address below.

Late tenders will be rejected.

1. The addresses referred to above are:

a. Address for obtaining further information and for purchasing tender documents

Physical address for hand Courier Delivery to an office or Tender Box (City, Street Name, Building, Floor Number and Room)

Kenya Electricity Generating Company PLC Stima Plaza Phase III, Kolobot Road, Parklands P.O. BOX 47936-00100 tenders@kengen.co.ke;

b. Address for Opening of Tenders.

General Manager, Supply Chain Kenya Electricity Generating Company PLC Stima Plaza Phase III, Kolobot Road, Parklands P.O. BOX 47936-00100 6th Floor

Notice is also brought to the attention of all bidders of the Public Procurement Capacity Building Levy Order, 2023 vide Legal Notice No.206 whose commencement date is 1st September 2024 that requires procuring entities to deduct and remit, to the Public Procurement Regulatory Authority, a sum equivalent to 0.03% of the value of the resultant signed contract, exclusive of applicable taxes.

KenGen adheres to high standards of integrity in its business operations. Report any unethical behavior immediately to any of the provided anonymous hotline service.

Call Toll Free: 0800722626;
 Free-Fax: 00800 007788;
 Email: <u>kengen@tip-offs.com</u>
 Website: <u>www.tip-offs.com</u>

GENERAL MANAGER, SUPPLY CHAIN

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:

- 2.1 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 oranyofitsaffiliatesparticipatedasaconsultantinthepreparationoftheProcuringEntity'sRequirements (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 in directly 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 teeming 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 <u>www.ppra.go.ke</u>
- 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.

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- 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 from the 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 beat 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**.

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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 a reemitted 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, sub mitted 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 in 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 lumpsum 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.

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18.9 If a tenderer submits information pursuant to these requirements that is in complete, inaccurate or outof-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.

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- 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 withdraw sits 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 debars 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.
- 21.10 A 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 un opened 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:
 - a) 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
 - b) 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.

15

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 are cord 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 a rep resent 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.

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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

nonmaterial 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 nonmaterial non-conformities related to the Tender Price. To this effect, the Tender Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified **in the TDS**.

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 withITT33; 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 he 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 maybe.
- 37.6 If the Procuring Entity determines that the Tender Price is abnormally too high because <u>genuine</u> <u>competition between tenderers is compromised</u> (*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 <u>Notification of Intention to Enter into a Contract</u>/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 <u>Notification of Intention to Enter into a Contract</u> 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 <u>Letter of Award</u> 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 VIII, 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 Complaints and Administrative Review

- 50.1 The procedures for making a Procurement-related Complaint are as specified in the TDS.
- 50.2 A request for administrative review shall be made in the form provided under contract forms.

SECTION II ~ TENDER DATA SHEET (TDS)

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

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS				
	A. General				
ITT 1.1	The reference number of the Request for Tenders (ITT) is: KGN-OLK-041-2024				
	The Procuring Entity is: Kenya Electricity Generating Company PLC				
	The name of the IIT is: TENDER FOR ONSITE DYNAMIC BALANCING AND VIBRATION ANALYSIS OF ROTATING EQUIPMENT FOR KenGen POWER PLANTS.				
ITT 2.1(a)	Electronic –Procurement System				
	The Procuring Entity shall use the following electronic-procurement system to				
	manage this Tendering process via				
	[www.kengen.co.ke (https://eprocurement.kengen.co.ke:50001/irj/portal]				
	Internet Explorer and Firefox Mozilla are the Preferred web browsers.				
	1. For suppliers registering for the first time using the link				
	https://supplierregistration.kengen.co.ke:4302/slc_selfreg(bD11biZjPTMwMCZk				
	<u>PW1pbg==)/bspwdapplication.do#VIEW_ANCHOR-ROS_TOP</u> ensure the "Public Tender" checkbox is ticked so that the login details are sent to suppliers				
	automatically.				
	KenGen Home Suppliare- Anards-				
	KenGen Tenders Portal Suppler Pertal				
	Suppliers User Manuals				
	2. It is a mandatory requirement all Documents MUST be uploaded to the SRM System through the link <u>https://eprocurement.kengen.co.ke:50001/irj/portal</u> found on <u>www.kengen.co.ke</u> .				
	Edit RFs Response: Notes and Alternative Series (Series Series S				
	After clicking on the Event Number, then click on Register (for Open tenders), then				
	click on 'Create Response', bidders to click on 'Technical RFx Response' tab to access the cfolder page to upload your document.				
	Instructions to Bidders: Caution on Uploading Bid Documents				
	a. Preferred Submission Method: Bidders are advised to use the C-Folder for submitting their tenders. This platform is specifically designed to handle bulky technical bid documents of up to 99MB per file .				
	b. Exceeding File Size Limit: In the event that the bid response exceeds the 99MB limit: ~				
	i. Bidders should try to compress the pdf file first to file size less than 99MB and if compressing doesn't reduce the file size consider option (ii) below.				
	ii. Split the documents into two or more separate files before submission. This ensures the integrity of the tendering process and accurate evaluation of all necessary information.				

[c. Bids uploaded on "Notes a	and Attachments Tab	" may have a transmission failure				
		essfully received thro	bugh the system and KenGen will				
	d. Assistance and Inquiries: For any questions or further assistance, bidders are encouraged to reach out to the team at least 24 hours before submission deadline through eprocurement@kengen.co.ke; or tenders@kengen.co.ke; or visit our						
	offices through the Karibu Centre.						
	• Prices MUST be entered under item tab of the RFx and MUST be similar to the prices in the price/BoQ Schedule.						
	RFx Number 500000.1: Status Saved RFx Owner 500000.1: Status Saved Total Value C 576,00 KE3						
	• Bidders should confirm on the supplier portal that the status of their RFx response shows "Submitted" and not "Saved" to ensure their RFx response is submitted.						
	Event Number Event Description	Event Type Event Status	Start Date End Date Response Number Response Status				
	5000000000 Test Bid Invite Lumour to Bidders	Open Tendering Published	22.09.002+ 60000001.00 Saved				
	500000° Jone Test 4 110 off loose 3 in sus portal	Open Tendering Published	15.02.71.9 6000000000 Submitted				
	 click on EDIT to amend their bid response with appropriate changes if they desire to do so. Manuals to guide on the bidding process are accessible via the KenGen Tenders Portal. Bidders to note that system challenges/support related to bid submission issues shall be addressed to eprocurement@kengen.co.ke tender closing date and time. 						
ITT 4.1	Maximum number of member No firm can participants in mo						
	B. Contents of Tendering Do						
ITT 8.1	There shall be mandatory sit	e visit at various site	as per the table below;				
	STATION	SITE VISIT DATE	TIME				
	Upper Tana	26 th November 202	24 10:00 am to 2:00 p.m.				
	Eastern-Kamburu	27 th November 202					
	Geothermal-Olkaria	3 rd December 202	A				
	Geothermal-Eburru	4 th December 2024	· · · · · · · · · · · · · · · · · · ·				
	Sondu Power Station	9 th December 202					
	Sang'oro Power Station	10 th December 202					
	Turkwel Power Station	13 th December 202					
	Kipevu Power Station	17 th December 202	A				
	· ·	19 th December 202	1				
	Ngong wind Power Station		1				
ITT 8.2	the Tender closing date and	Гime	Entity not later than 7 Days before				
ITT 9.1	i) The Tenderer will submit		fications;				
	Procuring Entity's address is:						
	General Manager - Supply Cl	hain					
	Kenya Electricity Generating	Company PLC,					
	9th Floor, KenGen Pension Pla	aza III,					
	Kolobot Road, Parklands,	,					
	P.O. Box 47936, 00100, NAIROBI.						
			<u>o.ke; Erico@kengen.co.ke</u> to reach the Tender closing date and Time				
	The Procuring Entity shall pu	ablish its response at	the website <u>www.kengen.co.ke</u>				

	C. Preparation of Tenders
ITT 13.1 (i)	The Tenderer shall submit the following additional documents in its Tender as per
	Executive Order No. 2 Of 2018 and other requirements as provided in this tender
	document.
ITT 15.1	Alternative Tenders shall not be considered.
ITT 15.2	Alternative times for completion <i>shall not be</i> permitted.
ITT 16.7	The prices quoted by the Tenderer <i>shall not be</i> subject to adjustment during the
ITT 20.1	performance of the Contract. The Tender validity period shall be 126 days from the Tender Opening Date.
ITT 21.1	A Tender Security "shall be" required.
111 41.1	
	The Original Tender Security of KES 200,000.00 or equivalent in a freely convertible currency valid for 30 days beyond the tender validity period, in form of:
	 Tender Security from a reputable bank registered by the Central Bank of Kenya Guarantee issued by a financial institution approved and licensed by the Central Bank of Kenya.
	A guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Public Procurement Regulatory Authority.
	All tender securities submitted shall be subject to authentication by KenGen and MUST be submitted in a plain sealed envelope and <i>MUST</i> be clearly marked "KGN-OLK-041 ~2024~ TENDER FOR ONSITE DYNAMIC BALANCING AND VIBRATION ANALYSIS OF ROTATING EQUIPMENT FOR KENGEN POWER PLANTS." And addressed to:
	General Manager, Supply Chain,
	Kenya Electricity Generating Company PLC, 9th Floor, KenGen Pension Plaza II,
	Kolobot Road, Parklands,
	P.O. Box 47936, 00100
	NAIROBI.
	Note; The hard copy of the Original Tender Security /E-Security clearly labeled with tender name and tender description should be dropped at the tender box located on Ground Floor at KenGen, KenGen, RBS building on or before the tender closing date and Time. 19th December, 2024 at 10.00 a.m.
	Electronic tender securities are acceptable and shall be authenticated using the QR scanner.
	Flectronic Tender Securities are accentable subject to:
	Electronic Tender Securities are acceptable subject to:i. Attachment of a scanned copy to the bid document.
	ii. Submission of the e-security to the address indicated below in plain sealed
	envelope clearly labelled.
	iii. Such E-Security can be verified by use of a Quick Response (QR) code
	Such E-Security can be verified via the issuing institution's online portal
ITT 22.1	In addition to the original of the Tender, the number of copies is: Not Applicable
ITT 22.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: a <i>Power of Attorney</i>
	D. Submission and Opening of Tenders
ITT 24.1	For Tender submission purposes only, the Procuring Entity's address is:
	The tender MUST be submitted through our e-procurement platform found at www.kengen.co.ke (https://eprocurement.kengen.co.ke:50001/irj/portal
	SUBMISSION OF TENDERS:
	1. For suppliers registering for the first time using the link
	 I. For suppliers registering for the first time using the link <u>https://supplierregistration.kengen.co.ke:4302/slc_selfreg(bD1lbiZjPTMwMCZkP</u> W1pbg==)/bspwdapplication.do#VIEW_ANCHOR-ROS_TOP ensure the "Public

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	Bidders to note that system challenges/support related to bid submission issues shall
	be addressed to eprocurement@kengen.co.ke tender closing date and time.
	The deadline for Tender submission is:
	Date and Time: 19th December, 2024 at 10.00 a.m.
ITT 27.1	The Tender opening shall take place at:
	Kenya Electricity Generating Company PLC, 6 th Floor, KenGen Pension Plaza II, Kolobot Road, Parklands, P.O. Box 47936, 00100 NAIROBI.
	Date and time: 19th December, 2024 at 10.30 a.m.
	Bidders can request for the tender opening minutes of the tender opening session through the following email address <u>tenders@kengen.co.ke</u>
ITT 27.6	 The Form of Tender and priced Activity Schedule shall be initialed by 3 representatives of the Procuring Entity conducting Tender opening. E. Evaluation and Comparison of Tenders
TTT 33.1	Where other currencies are used, the procuring entity will convert these currencies to Kenya Shillings using the selling exchange rate on the date of tender closing provided by the Central Bank of Kenya before comparing all the responsive tenders.
ITT 34.1	Margin of preference not allowed
ITT 35.4	Price evaluation will be done for the Total lowest evaluated bidder . F. Award of Contract
	Preliminary Examination
	Tender sum as submitted and read out during tender opening as per the form of tender is absolute and final and shall not be subject to correction, adjustment or amendment Due Diligence
	KenGen may at its own discretion conduct due diligence on the eligible bidders to establish their ability to perform the contract before award of the contract.
	Performance Security
	Performance security shall be at 2% of the Approximate contract Value where the contract value is above five million shillings (5M).
	The performance security shall remain valid for 30 days beyond the validity of the completion period of the Contract.
	The Performance Security shall be in the form of: an on-Demand Bank Guarantee from a bank registered by Central Bank of Kenya"
	The Performance security shall be denominated in the currency of the contract or a freely convertible currency acceptable to the Procuring Entity.
ITT 50.1	The procedures for making a Procurement-related Complaints are detailed in the "Regulations" available from the PPRA Website <u>www.ppra.go.ke</u> or email <u>complaints@ppra.go.ke</u> . 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 hand delivery or email to:
	Procuring Entity: [KenGen]
	Email address: <u>tenders@kengen.co.ke</u>
	In summary, a Procurement-related Complaint may challenge any of the following:

(i) the terms of the Tender Documents; and
(ii) the Procuring Entity's decision to award the contract.

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

1. General Provision

- 1.1 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 construction 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 are 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. 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 Employer shall use to evaluate tender and qualify tenderers. No other factors, methods or criteria shall be used other than 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 <u>the Standard Tender Evaluation Report for Goods and Works</u> for evaluating Tenders.

REGISTRATION AND BIDDING PROCESS

1. For suppliers registering for the first time using the link <u>https://supplierregistration.kengen.co.ke:4302/slc_selfreg(bD11biZjPTMwMCZkPW1pbg==)/bsp</u> <u>wdapplication.do#VIEW_ANCHOR-ROS_TOP</u> ensure the **"Public Tender" checkbox is ticked** so that the login details are sent to suppliers automatically.



2. It is a mandatory requirement all Documents MUST be uploaded to the SRM System through the link <u>https://eprocurement.kengen.co.ke:50001/irj/</u> portal found on <u>www.kengen.co.ke</u>.



• Prices **MUST** be entered under item tab of the RFx and **MUST** be similar to the prices in the price/BoQ Schedule.



After clicking on the Event Number, then click on Register (for Open tenders), then click on 'Create Response', bidders to click on 'Technical RFx Response' tab to access the cfolder page to upload your document.

Instructions to Bidders: Caution on Uploading Bid Documents

a. Preferred Submission Method: Bidders are advised to use the C-Folder for submitting their tenders. This platform is specifically designed to handle bulky technical bid documents of up to **99MB per file**.

b. Exceeding File Size Limit: In the event that the bid response exceeds the 99MB limit: ~

i. Bidders should try to compress the **pdf file first to file size less than 99MB** and if compressing doesn't reduce the file size consider option (ii) below.

ii. Split the documents into two or more separate files before submission. This ensures the integrity of the tendering process and accurate evaluation of all necessary information.

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c. Bids uploaded on "**Notes and Attachments Tab**" may have a transmission failure and the bid may not be successfully received through the system and KenGen will not be held accountable for failure to transmit on eProcurement portal.

d. Assistance and Inquiries: For any questions or further assistance, bidders are encouraged to reach out to the team at least 24 hours before submission deadline through eprocurement@kengen.co.ke; or tenders@kengen.co.ke; or visit our offices through the Karibu Centre.

• Bidders should confirm on the supplier portal that the status of their RFx response shows "Submitted" and not "Saved" to ensure their RFx response is submitted.

Event Number	Event Description	Event Type	Event Status	Start Date	End Date	Response Number	Response Status
500000000000	Test Bid Invite to Bidders	Open Tendering	Published		22.09.002.	60000000.00	Saved
500000*	Test 4 1 3 off loor 3 in sus portal	Open Tendering	Published		15.02.11.9	6000000000	Submitted

- Bidders who have submitted their bids should not click on **WITHDRAW** but click on **EDIT** to amend their bid response with appropriate changes if they desire to do so.
 - Manuals to guide on the bidding process are accessible via the KenGen Tenders Portal.



• Bidders to note that system challenges/support related to bid submission issues shall be addressed to eprocurement@kengen.co.ke tender closing date and time.

1.3 Evaluation and contract award Criteria

The Procuring Entity shall use the criteria and methodologies listed in this Section to evaluate tenders and arrive at the Lowest Evaluated Tender. The tender that (i) meets the qualification criteria,(ii)has been determined to be substantially responsive to the Tender Documents, and(iii) is determined to have the Lowest Evaluated Tender price shall be selected for award of contract.

2 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.

STAGE 1: MANDATORY REQUIREMENTS

The following mandatory requirements must be met not withstanding other requirements in the tender document:

No.	MANDATORY REQUIREMENTS
MR 1	Registration Certificate / Certificate of incorporation
MR 2	Valid tax compliance certificate and Pin Certificate.
MR 3	Duly filled, signed and stamped tender form.
MR 4	Duly filled, signed and stamped price schedule.
MR 5	Valid copy of the business permit.
MR 6	Duly filled, Signed and stamped Addendum(s) and Clarification(s) issued must be attached
	(Where Applicable).
MR 7	Copy of a valid CR 12 issued within 6 months of tender closure. (where applicable)/
	Not Applicable to sole Proprietors.
MR 8	Must be submitted through our e-procurement platform found at www.kengen.co.ke
	https://eprocurement.kengen.co.ke:50001/irj/portal
MR 9	The Tender MUST be submitted be in the required format and serialized on each page of the
	bid submitted, Sec.74.1.i. of the PPADA, 2015.
MR 10	The tender has been duly filled, signed and stamped by the person lawfully authorized to do
	so through a Tender-Specific Power of Attorney.

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acceptable subject to: accanned copy to the bid document.					
l in the					
signed and stamped Self Declaration form that the tenderer will not engage in					
Iny corrupt or Fraudulent Practice. Duly filled, signed and Declaration and Commitment to the Code of Ethics					
Duly filled and signed Tenderer Information Form Annual Accounts					
Annual Accounts					
The audited financial statements by a registered audit firm for the last 3 years shall be					
submitted and must demonstrate the current soundness of the Bidder's financial position					
l ratios Current Ratio 1:1					
Positive net worth in their audited balance sheet. At least one year out of the recent three years of positive Profit					

STAGE 2: TECHNICAL EVALUATION ON CAPACITY TO DELIVER THE CONTRACT

Technical evaluation shall be carried out only if the tender is determined to be responsive to the preliminary examination.

Bidder must demonstrate conformance to the all the technical specifications and requirements stipulated in the tender document.

The Technical Evaluation will be based on compliance on a PASS/FAIL basis of the technical specifications set out in the tender document.

TECHNICAL EVALUATION CRITERIA:

The Table below <u>MUST</u> be fully filled for the bid to be Technically responsive.

No.	CRITERIA PARAMETERS	RESPONSE (YES or NO)
TR1	Attach proof of a Vibration Analyst, with a minimum qualification of an ISO category 4.	
TR2	Demonstrate at least 10 years' experience in Vibration analysis and Dynamic balancing by the Technical Team (bidder to submit Curriculum Vitaes and Certificates)	
TR3	Proof of similar previous jobs (At least 3No steam turbines vibration analyses and balancing, in the past 2 years). Bidder to submit evidences such as copies of Contracts, LPOs or Completion Certificates.	
TR4	For Training, bidder to submit a Certified vibration trainer certificate, according to ISO/IEC 17024 Standard.	

TR5	Proof of Equipment Calibration (Verifiable Certificate). Bidder to submit certificates of calibration of the major tools intended for the project (i.e Analyzer & Balancing Equipment)	
TR6	Bidder to submit a Detailed Methodology of the assignment (To include, as a minimum Workplan, Techniques and Equipment)	
TR7	Attach a commitment or partnership or MOU with a known global Vibration monitoring and Training Institute that is ISO/IEC 17024 and ISO 18436-1 accredited.	

STAGE 3. FINANCIAL EVALUATION

- The financial evaluation shall involve.
- i. Checking completeness of financial bid.
- ii. The award shall be based on the Total lowest evaluated bidder.
- iii. Consideration of the prevailing market price and value for money
- iv. The bid price should be for all items in the schedules. Partial bids will be deemed non-responsive.
- v. 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 (ref Section 74(2) of Public Procurement and Asset Disposal Regulations 2020)
- vi. Whereas the bid has scope for all rotating equipment in KenGen, bidders are advised that the prices should be indicated for each item. Each schedule should include applicable taxes.
- vii. All prices must be inclusive of all the applicable taxes.
- viii. Framework: Prices **SHALL** be fixed during the first 12 months of the three years Framework contract

Terms that shall guide Framework Contract are as per below:

Pricing Items & Quantities

a. The quantities listed in the framework agreement are only but average consumptions for purposes of bidding.

Framework Agreement Pricing

- b. The award for schedules eligible for frameworks shall be based on Rates for all schedules.
- c. Orders shall be placed, from time to time, on need basis, using the unit rates
- d. Prices shall remain fixed for the first one (1) year of the three-year contract.

Framework Incoterm

- e. The Unit Rates for Schedules eligible for framework shall be **DDP-** at the respective power station (Incoterm 2020).
- f. Physical delivery shall be deemed to have taken place at the respective power station. The same shall be designated as their delivery point as at Purchase Order time.
- g. In **DDP**, the supplier assumes all responsibilities and costs for delivering the items to the named place of destination, all duties and taxes paid.

Framework Duration

- h. The maximum contracting period shall be three (3) years, but renewable annually upon mutual agreement.
- i. The parties will review the contractual engagement after the first year before committing to the subsequent years
- j. Orders shall be placed, from time to time, on need basis, using the unit rates

Framework Contract Variations

k. Contract price variation shall not be allowed for the first 12 months of the contract.

- 1. Where contract price variation is to be considered, the variation shall not exceed 25% of the original contract unit price, and any variation is to be executed within the contract period
- m. Price variation requests shall be processed by KenGen within 30 days of receiving the request subject to successful negotiation between the contracting parties.
- n. Price variation request must be made by the supplier to KenGen for consideration. The supplier shall state the factors affecting the prices to support the application.

STAGE 4. DUE DILIGENCE

KenGen shall prior to award of the tender determine to its satisfaction whether the selected bids will qualify to perform the contract satisfactorily by carrying out a due diligence.

SECTION IV ~ TENDERING FORMS

1. <u>FORM OF TENDER</u> (Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)

INSTRUCTIONS TO TENDERERS

i) All italicized text is to help the Tenderer in preparing this form.

ii) The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address. Tenderers are reminded that this is a mandatory requirement.

iii) Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION FORMS OF THE TENDERER as listed under (s) below.

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

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

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 inconformity 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: <u>[insert the total price of the Tender in words and figures, indicating</u> <u>the various amounts and the respective currencies</u>]; 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) a s 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 stateowned enterprise or institution] / [We are a state-owned enterprise or institution but meet the requirements of ITT 4.6];
- *l*) **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.
- m) **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;
- n) 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.
- 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]

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.	 Country City Location Building Floor Postal Address Nume and amail of contact noncon
		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,</i> <i>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 (postal and physical	
	<i>addresses, email, and telephone number</i>) of	
	state which stock exchange	

a) Tenderer's details

General and Specific Details

b) Sole Proprietor, provide the following details.

Name in full	Age	
Nationality	Country of Origin	
Citizenship		

c) **Partnership**, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

- d) **Registered Company,** provide the following details.
 - i) Private or public Company _____
 - 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		
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		

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
	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 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)

ii) 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, a s 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 _						
	 	4	.4		. 4	1

[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

/	, of Post Office Box	being a resident
of	in the Republic of	do hereby make a statement
as follows:~		······································

- 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

- 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.
- 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

FORMAT OF POWER OF ATTORNEY

project/goods/works/services".....", including signing and submission of all documents and providing information / responses to the Kenya Electricity Generating Company PLC, ("KenGen"), representing us in all matters before KenGen, and generally dealing with KenGen in all matters in connection with our Proposal for the said project/goods/works/services.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us

...... (Signature) (Name, Title and Address)

Accepted

...... (Signature) (Name, Title and Address of the Attorney)

DECLARATION AND COMMITMENT TO THE CODE OF ETHICS

I,	
	Company/Firm)
	I have read and fully understood the contents of the Public Procurement & Asset Disposal
· · · ·	egulations and the Code of Ethics for persons participating in Public Procurement and Asset
Disposal and	my responsibilities under the Code.
	commit to abide by the provisions of the Code of Ethics for persons participating in Public and Asset Disposal.
Name of Aut	horized signatory
Sign	
Position	
Office addres	38
Telephone	
E-mail	
Name of the	Firm/Company
Date	
(Company Se	eal/ Rubber Stamp where applicable)
Witness	
Name	
Sign	
Date	

iv) APPENDIX1-FRAUDANDCORRUPTION

(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 1.1above.
- 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 be low 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 a warding 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:

Tender for Onsite Dynamic Balancing and Vibration Analysis of Rotating Equipment for KenGen Power Plants.

- 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 he 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 sand 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 inspect²all 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.

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TENDERER INFORMATION FORM

	Date:					
	ITT No.:					
	Alternative No: [insert identification No if this is a Tender for an alternative]					
	1. Tenderer's Name:					
2	In case of JV, legal name of each member: <i>[insert legal name of each member in JV]</i>					
З.	Tenderer's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>					
	4. Tenderer's year of registration: <i>[insert Tenderer's year of registration]</i>					
5.	Tenderer's Address in country of registration: <i>[insert Tenderer's legal address in country of registration]</i>					
6.	Tenderer's Authorized Representative Information					
	Name:					
	Address[insert Authorized Representative's Address]					
	Telephone:					
	Email Address:					
7.	Attached are copies of original documents of [check the box(es) of the attached original documents]					
	\Box 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.					
	\Box 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					
	\Box 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.					

Included are the organizational chart, a list of Board of Directors, and the beneficial ownership

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OTHER FORMS

3. TENDERER'S JV MEMBERS INFORMATION FORM

[The Tenderers hall 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]].

ITT No.: [insert number of Tendering process]

- 1. Tenderer's Name: *[insert Tenderer's legal name]*
- 2. Tenderer's JV Member's name: [insert JV's Member legal name]
- 3. Tenderer's JV Member's country of registration: *[insert JV's Member country of registration]*
- 4. Tenderer's JV Member's year of registration: [insert JV's Member year of registration]
- 5. Tenderer's JV Member's legal address in country of registration: *[insert JV's Member legal address in country of registration]*
- 6. Tenderer's JV Member's authorized representative information

Name: [insert name of JV's Member authorized representative]

Address: [insert address of JV's Member authorized representative]

Telephone/Fax numbers: [insert telephone/fax numbers of JV's Member authorized representative]

Email Address: [insert email address of JV's Member authorized representative]

- 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 registration documents of the legal entity named above, in accordance with ITT 4.4.
- □ 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 and a list of Board of Directors.

FORM OF TENDER SECURITY~[Option 1–Demand Bank Guarantee]

Beneficiary:	
Request for Tenders No:	
Date:	
TENDER GUARANTEE No.:	
Guarantor:	

- 1. We have been informed that ______ (here inafter called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here inafter 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 there to 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)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

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FORMAT OF TENDER SECURITY [Option 2–Insurance Guarantee]

TENDER GUARANTEE No.:

Sealed with the Common Seal of the said Guarantor this _____day of _____ 20 ___.

- 3. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Applicant:
 - 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 guarantee 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. 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.

[Date]

[Signature of the Guarantor]

[Witness]

[Seal]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

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 [Two years] starting on [Closing 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 [Insert date of signing]

Seal or stamp

6. FORM PER ~ 1

Contractor's Representative and Key Personnel Schedule

Tenderers should provide the names and details of the suitably qualified Contractor's Representative and Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Contractor' Representative and Key Personnel

1.	Title of position: Contractor's Representative			
	Name of candidate	ne of candidate:		
	Duration of	[insert the whole period (start and end dates) for which this		
	appointment:	position will be engaged		
	Time	[insert the number of days/week/months/ that has been		
	commitment: for	scheduled for this position]		
	this position:			
	Expected time	[insert the expected time schedule for this position (e.g. attach		
	schedule for this	high level Gantt chart]		
	position:			
2.	Title of position: /_]		
	Name of candidate			
	Duration of	[insert the whole period (start and end dates) for which this		
	appointment:	position will be engaged		
	Time	[insert the number of days/week/months/ that has been		
	commitment: for	scheduled for this position]		
	this position:			
	Expected time	[insert the expected time schedule for this position (e.g. attach		
	schedule for this	high level Gantt chart]		
	position:			
3.	Title of position: /			
	Name of candidate			
	Duration of	[insert the whole period (start and end dates) for which this		
	appointment:	position will be engaged		
	Time	[insert the number of days/week/months/ that has been		
	commitment: for	scheduled for this position]		
	this position:	[insert the encoded time askadale for this resition (a a attack		
	Expected time schedule for this	[insert the expected time schedule for this position (e.g. attach		
	position:	high level Gantt chart		
4.	Title of position: /_	1		
4.	Name of candidate	/ •		
	Duration of	<i>insert the whole period (start and end dates) for which this</i>		
	appointment:	position will be engaged		
	Time	[insert the number of days/week/months/ that has been		
	commitment: for	scheduled for this position]		
	this position:			
	Expected time	[insert the expected time schedule for this position (e.g. attach		
	schedule for this	high level Gantt chart]		
	position:			
5.	Title of position: [in	nsert title]		
	Name of candidate			
	Duration of	[insert the whole period (start and end dates) for which this		
	appointment:	position will be engaged		
	Time	[insert the number of days/week/months/ that has been		
	commitment: for	scheduled for this position]		
	this position:			

-	[insert the expected time schedule for this position (e.g. attach high level Gantt chart]
position:	

7. FORM PER-2:

Name of Tenderer

Resume and Declaration - Contractor's Representative and Key Personnel.

Position [# 1]: [*title of position from Form PER-1*] Personnel Name: Date of birth: information Address: E-mail: Professional qualifications: Academic qualifications: Language proficiency: [language and levels of speaking, reading and writing skills/ Details Address of Procuring Entity: Telephone: Contact (manager / personnel officer): Fax: Job title: Years with present Procuring Entity:

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

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

DECLARATION

I, the undersigned......*[insert either "Contractor's Representative" or "Key Personnel" as applicable]*, certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Tender:-

Commitment	Details
Commitment to	[insert period (start and end dates) for which this Contractor's
duration of contract:	Representative or Key Personnel is available to work on this contract]
Time commitment:	[insert period (start and end dates) for which this Contractor's
	Representative or Key Personnel is available to work on this contract]

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

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

Name of Contractor's Representative or Key Personnel: [insert name]

Signature:

Date: (day month year):

Countersignature of authorized representative of the Tenderer:

Signature:_____

Date: (day month year):

TENDERERS QUALIFICATION WITHOUT PRE-QUALIFICATION

To establish its qualifications to perform the contract in accordance with Section III, Evaluation and Qualification Criteria the Tenderer shall provide the information requested in the corresponding Information Sheets included hereunder.

10 FORM ELI ~1.1 Tenderer Information Form

Date:_____

ITT No. and title:

Tenderer's name

In case of Joint Venture (JV), name of each member:

Tenderer's actual or intended country of registration:

[indicate country of Constitution]

Tenderer's actual or intended year of incorporation:

Tenderer's legal address [in country of registration]:

Tenderer's authorized representative information

Name: _____

Address: _____

Telephone/Fax numbers: _____

E-mail address: _____

1. Attached are copies of original documents of

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, letter of intent to form JV or JV agreement, in accordance with ITT 4.1

 \Box In case of state-owned enterprise or institution, in accordance with ITT 4.6, documents establishing:

- Legal and financial autonomy
- Operation under commercial law
- Establishing that the Tenderer is not under the supervision of the Procuring Entity

2. Included are the organizational chart and a list of Board of Directors.

11. FORM ELI ~1.2

Tenderer's JV Information Form (to be completed for each member of Tenderer's JV)

Date:_____

ITT No. and title:_____

Tenderer's JV name:		
JV member's name:		
JV member's country of registration:		
JV member's year of constitution:		
JV member's legal address in country of constitution:		
JV member's authorized representative information		
Name:		
Address:		
Telephone/Fax numbers:		
E-mail address:		
1. Attached are copies of original documents of		
□ 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.		
\Box 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.		
2. Included are the organizational chart and a list of Board of Directors.		

12. FORM CON -2

Historical Contract Non-Performance, Pending Litigation and Litigation History

Tenderer's Name:_____ Date:_____ JV Member's Name_____ ITT No. and title:_____

Non-Performed Contracts in accordance with Section III, Evaluation and Qualification Criteria

Contract non-performance did not occur since 1st January *[insert year]* specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.1.

Contract(s) not performed since 1st January *[insert year]* specified in Section III, Evaluation and Qualification Criteria, requirement 2.1

Year	Non- performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and Kenya Shilling equivalent)
[insert year]	-	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i>	[insert amount]
		Name of Procuring Entity: <i>[insert full name]</i>	
		Address of Procuring Entity: <i>[insert street/city/country]</i>	
		Reason(s) for nonperformance: <i>[indicate main reason(s)]</i>	

Pending Litigation, in accordance with Section III, Evaluation and Qualification Criteria

□ No pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3.

Pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3 as indicated below.

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), Kenya Shilling Equivalent (exchange rate)
		Contract Identification:	
		Name of Procuring Entity:	
		Address of Procuring Entity:	
		Matter in dispute:	
		Party who initiated the dispute:	
		Status of dispute:	
		Contract Identification:	
		Name of Procuring Entity:	
		Address of Procuring Entity:	
		Matter in dispute:	
		Party who initiated the dispute:	
		Status of dispute:	

Year of dispute	Amount in dispute	Contract Identification	Total Contract Amount (currency), Kenya	
uispuie	(currency)		Shilling Equivalent	
	-		(exchange rate)	
Litigation Histo	ory in accorda	nce with Section III, Evaluation and Qual	ification Criteria	
🛛 No Litig	gation History	in accordance with Section III, Evaluation	and Qualification	
Criteria, Sub-F	actor 2.4.			
		ccordance with Section III, Evaluation and	Qualification Criteria,	
Sub-Factor 2.4	-			
Year of award		Contract Identification	Total Contract Amount	
	percentage	of	(currency), Kenya	
	Net Worth		Shilling Equivalent	
	<u> </u>		(exchange rate)	
[insert year]	[insert	Contract Identification: [indicate	[insert amount]	
	percentage			
		number, and any other identification		
		Name of Procuring Entity: <i>[insert</i>		
		full name]		
		Address of Procuring Entity:		
		[insert street/city/country]		
		Matter in dispute: <i>[indicate main</i>		
		issues in dispute]		
		Party who initiated the dispute:		
		[indicate "Procuring Entity" or		
		"Contractor"]		
		Reason(s) for Litigation and award		
		decision [indicate main reason(s)]		

Financial Situation and Performance

Tenderer's Name:	
Date:	
JV Member's Name	
ITT No. and title:	

Financial Data

Type of Financial information in	Historic information for previousyears,					
(currency)	(amount in currency, currency, exchange rate*, USD equivalent)					
	Year 1	Year 2	Year 3	Year 4	Year 5	
Statement of Financial Position	(Informat	ion from Bal	ance Sheet)			
Total Assets (TA)						
Total Liabilities (TL)						
Total Equity/Net Worth (NW)						
Current Assets (CA)						
Current Liabilities (CL)						
Working Capital (WC)						
Information from Income State	ment					
Total Revenue (TR)						
Profits Before Taxes (PBT)						
Cash Flow Information			I		[
Cash Flow from Operating Activities						

*Refer to ITT 15 for the exchange rate

13. FORM FIN – 3.1:

Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	Amount (Kenya Shilling equivalent)
1		
2		
3		

Financial documents

The Tenderer and its parties shall provide copies of financial statements for _____years pursuant Section III, Evaluation and Qualifications Criteria, Sub-factor3.1.The financial statements shall:

- a) reflect the financial situation of the Tenderer or in case of JV member, and not an affiliated entity (such as parent company or group member).
- b) Be independently audited or certified in accordance with local legislation.
- c) Be complete, including all notes to the financial statements.
- d) Correspond to accounting periods already completed and audited.

Attached are copies of financial statements¹ for the _____years required above ; and complying with the requirements

²If the most recent set of financial statements is for a period earlier than 12 months from the date of Tender, the reason for this should be justified.

14. FORM FIN – 3.2:

Average Annual Construction Turnover

Tenderer's Name:

Date:_____

.

JV Member's Name_____

ITT No. and title:

	Annual turnover dat	a (construction only)	
Year	Amount Currency	Exchange rate	Kenya Shilling equivalent
[indicate year]	[insert amount and indicate currency]		
Average Annual Construction Turnover *			

* See Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2.

15. FORM FIN-3.3:

Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contractor contracts as specified in Section III, Evaluation and Qualification Criteria.

Fina	Financial Resources				
No.	Source of financing	Amount (Kenya Shilling equivalent)			
1					
2					
3					

15. FORMFIN-3.4:

Current Contract Commitments / Works in Progress

Tenderers and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

No.	Name of Contract	Procuring Entity's Contact Address, Tel,	Value of Outstanding Work [Current Kenya Shilling /month Equivalent]	Estimated Completio n Date	Average Monthly Invoicing Over Last Six Months [Kenya Shilling /month)]
1					
2					
3					
4					
5					

16. <u>FORM EXP~4.1</u>

Tenderer's Name:		
Date:		
JV Member's Name		
ITT No. and title:		
Page	of	pages

Starting	Ending	Contract Identification	Role of Tenderer
Year	Year		
		Contract name:	
		Brief Description of the Works performed by the	
		Tenderer:	
		Amount of contract:	
		Name of Procuring Entity:	_
		Address:	
		Contract name:	
		Brief Description of the Works performed by the	
		Tenderer:	
		Amount of contract:	
		Name of Procuring Entity:	
		Address:	
		Contract name:	
		Brief Description of the Works performed by the	
		Tenderer:	
		Amount of contract:	
		Name of Procuring Entity:	
		Address:	

17. FORM EXP ~4.2(a)

Specific Construction and Contract Management Experience

Tenderer's Name:	
Date:	
IV Member's Name	

ITT No. and title:

Similar Contract No.	Information				
Contract Identification					
Award date					
Completion date					
Role in Contract	Prime Contractor □	Member in JV 🗆	Management Contractor 🗆	Sub~ contractor□	
Total Contract Amount			Kenya Shilling		
If member in a JV or sub- contractor, specify participation in total Contract amount					
Procuring Entity's Name:					
Address:					
Telephone/fax number					
E-mail:					
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:					
1. Amount					
2. Physical size of required works items					
3. Complexity					
4. Methods/Technology					
5. Construction rate for key activities					
6. Other Characteristics					

18. FORM EXP~4.2(b)

Construction Experience in Key Activities

Tenderer's Name:
Date:
Tenderer's JV Member Name:
Sub-contractor's Name ³ (as perITT35):
ITT No. and title:

All Sub-contractors for key activities must complete the information in this form as per ITT 34 and Section III, Evaluation and Qualification Criteria, Sub-Factor 4.2.

1. Key Activity No One:

	Information				
Contract Identification					
Award date					
Completion date					
Role in Contract	Prime Contractor□	Men	nber in JV 🗆	Management Contractor□	Sub~ contractor □
Total Contract Amount				Kenya Shilling	
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity the contract (i)	' in	Percentage participatic (ii)	n	Actual Quantity Performed (i) x (ii)
Year 1					
Year 2					
Year 3					
Year 4					
Procuring Entity's Name:					
Address: Telephone/fax number E-mail:					

³If applicable

	Information
Description of the key activities in accordance with Sub-Factor 4.2(b) of Section III:	
1	
2	
3	
4	
5	

2. Activity No. Two 3.

Section IV – Tendering Forms

1. The Specifications and Priced Activity Schedules PRICE SCHEDULE OF SERVICES

Schedule I: VIBRATION ANALYSIS AND ONSITE DYNAMIC BALANCING FOR GEOTHERMAL POWER PLANT EQUIPMENT

Item No.	Description	Plant	Qty	Rates (Dynamic Balancing)	Rates (Vibration analysis)
1.	35MW Single Cylinder, Single Flow, Down Exhaust Impulse Reaction Condensing Turbine Rotor	Olkaria II	3		
	• No. of Stages: 6				
	• Speed: 3000rpm				
	• Rated output: 35.14MW				
	• Weight: 18300kg				
	Length: 5500mm				
2.	Generator Rotor	Olkaria II	3		
	• Output: 44,300 kVA				
	 Output: 35,440 kW 				
	• Weight (with excitor rotor):				
	17500kgs				
	• Speed: 3000rpm				
3.	Liquid Ring Vacuum Pumps complete	Olkaria II	3		
	with gear boxes and motors.				
	• Pump speed: 450				
	Pump weight: 11340kg				
	 Design pressure: 4.46 bara 				
	 Design temperature: 150°C 				
	• Discharge pressure: 1.01 bara				
	• Motor speed: 1485rpm				
	• Operating frequency: 50Hz				
	• Motor rated shaft output: 225kW				
	• Gear box power rating: 595kW				
	• Gear type: Single helical				
	• Gear ratio: 3.294:1				
5.	Hotwell Pumps complete with motors.	Olkaria II	6		
	• Type: Vertical Turbine, Single				
	Stage with T-type Head				
	• Flow: 4730 m ³ /h				
	• Speed: 740rpm				
	• Impeller size: 627mm				
	• Pump weight: 16,900kg				
	• Motor weight: 3400kg				
	Motor rating: 400kW				
7.	Component Cooling Water Pumps	Olkaria II	6		
	complete with motors.				
	• Pump speed: 1470 rpm				
	 Capacity: 550m³/h 				
	• Impeller size: 300mm				
	• Total head: 26m				
	• Pump weight: 500kg				
	• Coupling weight: 24kg				

	Note:			
	• Motor output: 70kW			
	• Rated shaft output: 54.2kW			
	• Motor voltage: 400V			
9.	Motor weight: 700kg	Olkaria II	4	
9.	Re-Injection Pumps complete with motors.	Olkaria II	4	
	motors.			
	• Flow: 57m3/h			
	• Pump TDH: 132m			
	• Suction pressure: 2.4 bara			
	• Required operating power:			
	35.7kW			
	• Rotating speed: 2950rpm			
	• Impeller size: 321mm			
	• Pump weight: 220kg			
	• Motor speed: 2972 rpm			
	• Rated shaft output: 30 kW.			
10	Motor weight: 275kg	Q11 · H		
10.	Flash Drain Pumps complete with	Olkaria II	4	
	motors.			
	• Flow: 26m ³ /h			
	• Suction pressure: 0.8bara			
	• Pump TDH: 110m			
	• Impeller size: 254mm			
	• Pump weight: 105kg			
	• Motor terminal volage: 400V			
	• Operating frequency: 50Hz			
	• Speed at rated output: 2967rpm			
10	• Motor weight: 290kg	211 . 11	10	
12.	Cooling Tower Fan Hubs	Olkaria II	12	
15.	Cooling Tower Gear Reducers.	Olkaria II	12	
	• Coorbox trace Stalach Lybricated			
	Gearbox type: Splash Lubricated Right Angle			
	• Ratio: 12.5:1 and 15.2:1			
	• Slow speed shaft diameter:			
	127mm			
	• High speed shaft diameter:			
	61.87mm			
	Weight: 2000lbs			
17.	Cooling Tower Fan Blades	Olkaria II	52	
	• Size: 9144mm diameter			
	• Material: FRP			
	• Size: 10 meters			
	• Bore: 5 mm			
18.	Cooling Tower Motors	Olkaria II	12	
	• Poted shaft autout 140 11-W			
	Rated shaft output: 149.1kWSpeed: 1450 rpm			
	 Operating frequency: 50Hz 			
	 Operating frequency. Soliz Type: Totally Enclosed Fan Cooled 			
	(TEFC)			
21.	Auxiliary Oil Pump (AOP) and motor	Olkaria II	3	
	• Discharge pressure – 3.5/23.5			
	bargPump weight: 740kg			
	Motor weight: 1050kg			
L				

	0 1 0000			
	• Speed: 3000 rpm			
	Capacity: 740 1/min			
	Output: 100kW			
22.	Emergency Oil Pump (EOP) and motor	Olkaria II	3	
	Dischause massing 0.7hous			
	• Discharge pressure- 2.7barg			
	• Speed: 1500 rpm			
	• Output: 11kW			
	Capacity: 7001/min			
	• Pump weight: 420kg			
	Motor weight: 500kg			
23.	75MW Single Casing Double Flow Steam	Olkaria IV	4	
	Exhausts Turbine	and 1AU		
		Unit 4 & 5		
	• No. of Stages 2 x 7			
	• Overall Length 7798.3mm			
	• Bearing Span 5,770 mm			
	• Turbine rotor weight – 35.7 ton			
	• Turbine Inlet Pressure 4.8 Barg			
	• Inlet Steam temperature 155~			
	160°C			
24.	86.66 MW Single Casing Double Flow	Olkaria 1AU	1	
	Steam Turbine	Unit 6		
	• No. of Stages 2 x 11			
	• Turbine Inlet Pressure 7.5~ 8.5			
	Barg			
	• Inlet Steam temperature 170~			
	175°C			
25.	Generator Rotor	Olkaria IV	4	
	• American Weight 22 FTon	and 1AU		
	Approx. Weight 22.5Ton	Unit 4 & 5		
	• Bearing Span:6,300 mm			
	• Exciter Length 1,315mm			
	Length of Centre Line of Front			
	Bearing to Coupling Face-			
	893.2mm			
	• Length of Centre Line of Rear			
	Bearing to Exciter end- 1,315			
26.	mm Generator Rotor	Olkaria 1AU	1	
20.	Generator Kotor	Unit 6	1	
	• Approx. Weight 28.5 Ton			
	• Overall length 9,144			
	Bearing Span, 6,500mm			
	 Shaft Dia. 980 mm 			
	 Journal Dia. 960 mm 			
	 Front Bearing (Turbine Side) 			
	• From Bearing (Turbine Side) Shaft overhung, 807 mm			
27.	Liquid Ring Vacuum Pumps complete	Olkaria IV	8	
	with motors.	and 1AU		
		Unit 4 & 5		
	• Speed 487 RPM			
	• Weight 4241 Kgs			
	• Phase ~ 3			
	 Voltage ~ 3300 V 			
	 Frequency ~ 50 Hz 			
	 Gurrent ~ 60 A 			
	• Motor Weight ~ 2030 Kgs			
	 Gearbox Model ~ 345A1S 			

			,	
	• MO ~ 12~097270~01			
	• Input Speed ~ 1486 RPM			
	 Output Speed ~ 487 RPM 			
	• Ratio – 3.053			
	• Service Rating HP – 302			
	• Service Factor – 2.0			
28.	Unit 6 Liquid Ring Vacuum Pumps	Olkaria 1AU Unit 6	3	
29.	Hot Well Pumps complete with motors.	Olkaria IV	8	
		and 1AU		
	• Type – VPFO-W-M	Unit 4 & 5		
	• Flow rate – 8600 m3/h			
	• Head – 24 m			
	• Speed – 490 RPM			
	• Power – 750 kW			
30.	Hot Well Pumps	Olkaria 1AU	2	
		Unit 6		
31.	Cooling Tower Gear Reducers and Motor	Olkaria IV	32	
	Drive Train	and 1AU		
		Unit 4 & 5		
	Cooling Tower Gearbox			
	• SR. No. HGF – 54 937			
	• Type: B-222			
	• Rated 225			
	• Oil 460			
	• Ratio 14:1			
	• I/P RPM 1500			
	Cooling Tower Motor			
	• Freq. 50 Hz			
	• Power 90 kW			
	• RPM 1485			
	Weight 860 Kg			
32.	Cooling Tower Fan Blades	Olkaria IV	64	
	• Length ~ 4.12 m	and 1AU		
	• Width ~ 0.47 m	Unit 4 & 5		
	Material ~ Fibre			
32.	Auxiliary Cooling Water Pumps complete	Olkaria IV	6	
	with motors.	and 1AU	-	
		Unit 4 & 5		
	• Size – GP4 20X16DS-20			
	• Item no. 42~P-31100A			
	• Seal SGL CART QRQW			
	• Capacity – 1328 m3/hr			
	• TDH – 25.5 m			
	• Hydro P – 1814 Kpa			
	• MAWP – 1206G			
33	Reinjection Pumps complete with motors.	Olkaria IV	8	
	• Size – A2L	and 1AU		
		Unit 4 & 5		
	• $Q - 170M^3/hr$			
	• TDH 15.00 Kpa			
	• Hydro P 7440			
	• MAWP 4960 Kpa			
	• 15 kW motors			
	• 27 Amperes			
	• Motor Frame = $18M$			
	• Freq. 50 Hz			

	• RPM 1475				
	• Enclosure IP55				
	• Weight 177kg				
	Blade Wash Pumps complete with	Olkaria IV			
	motors.	and 1AU			
		Unit 4 & 5			
	• Brg. No. 6216/7314				
	• PO PA 2012 ~07~1153				
	 Motor ~ 45 kW (60 Hz) 2P 415V 				
	• Frame 250m				
	• Enclosure IP55				
	• Code G				
	Ins Class F				
	• SF 1.0				
	• Max 40°C				
	• Amp 74.8 A				
	• Freq. 50Hz				
	 RPM 2965 RPM 				
	• Weight 550 Kg				
33.	C50 Turbine Rotor (5MW)	KWG 6	11		
	• Staadt ES 4E ment	KWG 7			
	• Speed: 5845 rpm	KWG I			
	• Weight: 1600Kg	KWG 8			
	• Number of stages: 8				
	 Mean Diameter of first stage 	KWG 9			
	moving blades: 536 mm	KWG 10			
	Mean Diameter of last stage	KWG IU			
	moving blades: 797 mm	KWG 11			
		KWG 12			
		19110 10			
		KWG 13			
		KWG 14			
		KWG 14 KWG 15			
		KWG 15			
34.	C64 Turbine Rotor (3.2MW)	KWG 1	11		
	• Speed: 6804 rpm	KWG 2			
	• Weight: 1600Kg	KINC 2			
	• Number of stages: 8	KWG 3			
	 Mean Diameter of first stage 	KWG 4			
	 Mean Diameter of first stage moving blades: 495 mm 				
	 Mean Diameter of last stage 	KWG 5			
	• Mean Diameter of last stage moving blades: 717 mm				
35.	Eburru Turbine Rotor (2.44MW)	Eburru	1		
55.		LUUIIU	1		
	• Speed: 4622 rpm				
	 Weight: 968Kg 				
	8 8				
36.	Number of stages: 8 Vortical Can Pump (Small) Impollant	KWG 3	8		
36.	Vertical Can Pump (Small) Impellers	KWG 3	ð		
	complete with motors.	KWG 4 KWG			
	Pump Model: Bombas Ideal	5			
	• Fullip Model. Bombas Ideal VG187/2,				
	• RPM: 980,				
	• Head: 21m				
	• Flow rate: 720 m3/h				
	Motor Rating: 75kW				

37.	Bombas Ideal pump (Big) Impeller	KWG 11	7	
	complete with motor.	KWG 12		
	• RPM: 980,			
	• Head: 21m	KWG 13		
	• Motor Rating: 110kW	KWG 14		
		KWG 15		
38.	Flowserve Pump (small) Impeller complete with motor.	KWG 2	3	
	Pump Model: Flowserve 18-ENL,RPM: 980,			
	 Head: 21m Flow rate: 600 m3/h 			
	 Motor Rating: 55kW 			
39.	Flowserve Pump (Big) Impeller complete with motor.	KWG 6	7	
		KWG 7		
	Pump Model: Flowserve 25-ENL,RPM: 980,	KWG 8		
	• Head: 21m	KWG 9		
	Flow rate: 600 m3/hMotor Rating: 110kW	KWG 10		
40.	Cooling Tower Fans	KWG 1	65	
		KWG 2		
		KWG 3		
		KWG 4		
		KWG 5		
		KWG 6		
		KWG 7		
		KWG 8		
		KWG 9		
		KWG 10		
		KWG 11		
		KWG 12		
		KWG 13		
		KWG 14 KWG 15		
		Eburru		
41.	ITT Gould's Condensate Pump complete with motor.	Eburru	1	
	 Pump Model: VIC-T (2-piece head) ANSI / HI 2.6 (Gould's Std) Size:20EHC 3 Stage(s), RPM: 740, Head: 82 ft Flow rate: 2,201.4 gpm 			
	 Motor Rating: 55kW 			

					11
42.	Eburru Liquid Ring Vacuum pump complete with motor.	Eburru	1		
	• Pump Model:				
	• Fump Model. 2PV91670/26/DD,				
	 RPM: 530, 				
	 Inlet flow: 7172 m3/h 				
	 Sealant flow: 14.8 m3/h 				
	 Horsepower design 82.3 – 99.76 				
	kW				
	• Motor speed 1450 rpm,				
4.0	Motor rating 110kW	Q11 : 14	0		
43.	86MW Single Cylinder, double Flow type with Down Exhaust Impulse Reaction	Olkaria V	2		
	Condensing Turbine.				
	• No. of Stages: 7				
	• Speed: 3000rpm				
	• Rated output: 86,164KW.				
	• Weight: 37,700kgs.				
	• Length: between bearing 1&2 5800mm.				
	 Blade height 762mm (30 inch) 				
	 Rated steam press 10.8 bar abs. 				
	 Rated steam temp. 183.5 °C. 				
	 Outside diameter 3000mm. 				
44.	Generator Rotor.	Olkaria V	2		
	• Output: 102,195 kVA				
	• Output: 86,865 kW				
	• Weight (with exciter rotor):				
	30,000kgs approx.				
	• Speed: 3000rpm				
45.	Length: 9285mm. Liquid Ring Vacuum Pumps complete	Olkaria V	4		
10.	with gear boxes and motors.		Т		
	• Pump speed: 210.50 rev/min				
	• Pump weight: 15430kgs				
	• Gearbox weight: 862kgs.				
	• Discharge pressure: 2.5 bar abs				
	• Motor speed: 994 rev/min				
	Motor rotor weight: 3.5T				
	• Operating frequency: 50Hz				
46.	• Gear box power rating: 595kW	Olkaria V	4		
46.	Hot well Pumps complete with motors.	Olkaria V	4		
	• Type: Vertical Turbine, Single				
	Stage with T-type Head				
	• Flow: 9600m ³ /h				
	• Speed: 490min ⁻¹				
	• Head 24 meters.				
	• Motor weight: 11,000kg approx.				
	• Motor rating: 830kW				
	• Impeller Dia.800mm Approx.	211			
47.	Auxiliary Cooling Water Pumps complete	Olkaria V	4		
	with motors.				
	• Pump speed: 1488min ⁻¹				
	 Size;300x250mm 				
	 Capacity: 550m³/h 				
L			1	I	75

			Г	1	
	• Impeller size: 420mm approx.				
	• Total head: 30meters				
	• Motor speed: 1485 rpm.				
	• Motor output: 110kW				
	• Rated shaft output: 110kW.				
	• Motor voltage: 415V				
	Motor weight: 840kgs				
48.	Re-Injection Pumps complete with	Olkaria V	4		
	motors.				
	• Flow: 225m3/h				
	• Pump TDH: 180meters				
	• Suction pressure: 2.4 bara				
	• Pump speed: 2974rpm				
	• Impeller size: 400mm approx.				
	Pump weight: 220kg				
	Motor speed: 2970 rpm				
	• Rated shaft output: 30 kW.		1		
	• Motor weight: 1710kg		1		
49.	Sump-pit Drain Pumps complete with	Olkaria V	6		
	motors.				
	• Flow: 30m ³ /h		1		
	• Suction pressure: 0.8bara				
	• Pump TDH: 35meters				
	• Impeller size: 310mm				
	 Motor terminal voltage: 415V 				
	• Operating frequency: 50Hz				
	• Speed at rated output: 1450rpm				
50.	Cooling Tower Fan Hubs	Olkaria V	16		
51.	Cooling Tower Gear Reducers.	Olkaria V	16		
01.	cooming tower dear reducers.	Cikaria v	10		
	• Gearbox type: Splash Lubricated				
	Right Angle.				
	• Series 32.2				
	• Ratio: 17.5:1.				
	• High speed shaft diameter:				
	180mm approx.				
52.	Cooling Tower Fan Blades	Olkaria V	128		
	• Size: 7925mm diameter		1		
			1		
	• Material: FRP		1		
	• Size: 5 meters approx.		1		
53.	Bore: 70mm approx.	Olkaria V	16		
55.	Cooling Tower Motors	Olkaria V	16		
	• Rated shaft output: 90kW.		1		
	• Speed: 1479 rpm		1		
	 Operating frequency: 50Hz 		1		
	 Type: squirrel cage induction 		1		
	motor.		1		
54.	Main Oil pump (MOP) complete with	Olkaria V	4		+
	motor.		1		
			1		
	• Discharge pressure – 2.3barg.		1		
	Capacity: 1250 l/min		1		
			1		
	• Output: 100kW				
	 Output: 100kw Motor output 18.5kw Motor speed 1475 rpm. 				

	• Motor weight 189kgs.			
55.	Emergency Oil Pump (EOP) complete	Olkaria V	2	
	with motor.			
	• Discharge pressure: 1.2barg			
	• Capacity: 1100Liters/mi.			
	 Motor weight: 300kgs 			
	• Motor speed: 1500rpm.			
	• Motor voltage: 110V			
	• Motor output: 11kW			
56.	Varan Fratua at an fam annual at a smith	Olkaria V	2	
56.	Vapor Extractor fan complete with Motor.	Olkaria v	2	
	• Capacity: 8m ³ /min			
	• Static pressure: 0.069 bar			
	• Speed; 2935 rpm			
	• Gas temperature: 80 °C			
	 Fluid: Air which contains oil mist. 			
	 Motor output power: 5.5kw 			
	 Fan Dia: 860mm approx. 			
57.	Gland steam exhaust fan and motor.	Olkaria V	2	
	• Capacity: 27m ³ /min.			
	• Static press: 2.94 Kpa.			
	• Speed: 2935 rpm.			
	• Gas temp.198 °C.			
	• Fluid: Air and steam.			
	• Output power 5.5kw			
	• Fan Dia:750mm Approx.			
58.	Jockey fire pump complete with motor.	Olkaria V	1	
	• Pump speed: 2940rpm.			
	Head: 87.8 meters.			
	 Capacity 18m³/h. 			
	Motor speed: 2940 rpm.			
	Motor speed: 2940 rpm.Impeller Dia:200mm Approx.			
59.	Electric fire pump complete with motor.	Olkaria V	1	
	• Speed: 2970 rpm.			
	• Impeller diameter: 278			
	• Pump speed: 2970 rpm.			
	• Motor speed: 2965 rpm.			
	• Capacity: 250Hp.			
60.	Diesel fire pump.	Olkaria V	1	
	• Speed; 2600rpm.			
	Impeller diameter: 315mm.			
	 Size: 8x6x13B 			
61.	Turbine blade wash pump complete with	Olkaria V	2	
01.	motor.		<i>–</i>	
	• Motor speed: 2940 rpm			
	• Size: 65x40			
	• Capacity: 15M ³ /h.			
	• Head: 138meters.			
	• Pump speed: 2900 rpm.			
	• Impeller Dia: 400mm approx.			

*Quantity listed above are only but average annual consumptions estimated for purposes of bidding.

Tenderer's name (Company)

Signature & _____

Tenderer's Rubber-stamp_____

Date_____

The quantities stated is the Estimated Annual Consumption and will be procured on need basis-As an when required.

Schedule II: VIBRATION ANALYSIS AND ONSITE DYNAMIC BALANCING FOR HYDRO POWER PLANT EQUIPMENT

Item No.	Description	Plant	Qty	Rates (Dynamic Balancing)	Rates (Vibration analysis)
1.	24MW Vertical Kaplan Runner	Kindaruma	3		
	• No. Blades 5	1,2&3			
	 Speed: 215rpm 				
	 Rated output: 24MW 				
	_				
2.	Generator Rotor	Kindaruma	3		
	• Output: 28,200 kVA	1,2&3			
	• Speed: 215rpm				
	• Rated Current 1480 A				
3.	20MW Vertical Kaplan Runner	Masinga 1&2	2		
	• No. Blades 7				
	• Speed: 272rpm				
	• Rated output: 20MW				
4	Generator Rotor	Masinga 1&2	2		
	• Output: 28,200 kVA				
	 Speed: 272rpm 				
	Rated Current 1480 A				
5.	31.4MW Vertical Francis Runner	Kamburu 1,2 & 3	3		
	• Output: 31.4MW				
	• Speed: 272rpm				
6.	Generator Rotor	Kamburu 1,2 & 3	3		
	• Output: 37,000 kVA				
	 Speed: 272rpm 				
	 Rated Current 1942 A 				
7.	84.5MW Vertical Francis Runner	Kiambere 1 & 2	2		
	• Output: 84 5MW				
	Output: 84.5MWSpeed: 300rpm				
8.	Generator Rotor	Kiambere 1 & 2	2		
	• Output: 84,700 kVA				
	Speed: 300rpmRated Current 4446 A				
9.	 Rated Current 4446 A 73.6MW Vertical Francis Runner 	Gitaru 1 & 2	2		
	• Output: 73.6MW				
10.	Speed: 272rpm Generator Rotor	Gitaru 1 & 2	2		
10.			4		
	• Output: 85,000 kVA				
	• Speed: 272rpm				
	Rated Current 3271 A				
11.	81.5MW Vertical Francis Runner	Gitaru 3	1		
	• Output: 81.5MW				
	• Speed: 272rpm				
12.	Generator Rotor	Gitaru 3	1		
	• Output: 95,000 kVA				
	 Speed: 272rpm 				
	Rated Current 3657 A				

13.	Ventilation Fans	Citami Maginga	10	
15.	ventilation rans	Gitaru, Masinga, Kamburu,	10	
	• Gitaru 37KW	Kindaruma &		
	Masinga 8KW	Kiambere		
	• Kamburu 37KW			
	• Kindaruma 10KW			
	• Kiambere 37KW			
14.	Dewatering Pumps	Gitaru, Masinga,	14	
	• Gitaru 45KW	Kamburu,		
	 Gharu 45KW Masinga 54KW 	Kindaruma &		
	 Kamburu 54KW 	Kiambere		
	 Kiambere 45KW 			
15.	30KW Drainage Pumps	Kindaruma	6	
16.	25KW Cooling Water Pumps	Kiambere	4	
17.	Wanjii Unit 1/2 Runner	Wanjii	2	
	• Max diameter 1110 mm,			
	 Width 401mm 			
	• RPM: 600			
	• Weight: 770 Kg			
18.	Wanjii Unit 3/4 Runner	Wanjii	2	
	• Max diameter 705mm,			
	• Width 338.1			
	• RPM 750 • Wajahti 201 Ka			
19.	Weight: 291 Kg Mesco Runner	Mesco	1	
10.		1110000	-	
	Approx. weight 250Kg, OD 575mm,			
	bore 124.14mm. RPM 750			
20.	Sagana Runner	Sagana	3	
	• Maximum diameter 649 mm			
	 Rated speed of 750 r.p.m. 			
	 Bore of 152.4mm 			
	 Rating 0.5 MW 			
21.	Generator	Mesco	1	
	• Rated Power Output: 510kVA			
	• Nominal Power Factor: 0.90			
	• Rated Voltage & Frequency: 415V AC, 3~Phase, 50Hz			
	Normal Speed: 750rpm			
	Overspeed: 1350rpm			
	• Weight 3.1 Tons			
22.	Hydraulic Oil Pump Motor	Mesco	1	
	• Rating: 1.5 kW @ 1,560 rpm			
	 Rating: 1.5 KW (@ 1,560 rpm) Power supply: 415 VAC, 3 phase, 			
	50 Hz			
23.	Generator Wanjii U 1&2	Wanjii	2	
	• 26.65 Tons			
	 Smallest shaft diameter 255 mm 			
	 Largest shaft diameter 255 mm 			
	 Dargest shart drameter 255 mill Output 3400 kVA 			
	Rated speed 600 rpm			
	 Runaway speedd 979 rpm 			
L		1		

24.	Generator Wanjii U 3&4	Wanjii	2	
	• 13.45 Tons			
	• Smallest shaft diameter 200 mm			
	• Largest shaft diameter 235 mm			
	Output 1400 kVA			
	• Rated speed 750 rpm			
0.7	Runaway speed 1408 rpm			
25.	Turbine Shaft U 1 & 2	Tana	2	
	• OD 320 mm			
	 Approximately 2034.373 kg 			
	Rated Speed 333.33 rpm			
	 Runaway speed 675 rpm 			
	• Output 5.5 MW			
26.	Turbine Shaft U 3 & 4	Tana	2	
	• OD 255 mm			
	• Approximately1045.3 kg			
	• Rated Speed 500 rpm			
	Runaway speed 940 rpm			
07	• Output 4.5 MW			
27.	Generator Shaft U 1 & 2	Tana	2	
	• Exposed shaft OD 320 mm			
	• Approximately 9,002.6 kg			
	• Rated Speed 333.33 rpm			
	• Runaway speed 675 rpm			
	• Output 5.5 MW			
28.	Generator Shaft U 3 & 4	Tana	2	
	• Max OD 400 mm			
	• Exposed shaft OD 255 mm			
	• Approximately 2,760 kg			
	• Rated Speed 333.33 rpm			
	• Runaway speed 675 rpm			
20	• Output 4.5 MW	Tates	0	
29.	Runner U 1 & 2	Tana	2	
	• OD 1,560 mm			
	• Rated Speed 333.33 rpm			
	Runaway speed 675 rpm			
	• Output 5.5 MW			
30.	Runner U 3 & 4	Tana	2	
	• OD 1090 mm			
	 CD 1090 mm Rated Speed 500 rpm			
	 Rated Speed 500 rpm Runaway speed 940 rpm 			
	 Kunaway speed 940 rpm Output 4.5 MW 			
31.	Governor Motors	Tana	8	
	• 415Vac			
	• 32.5A			
	• 18.5 kW			
	• PF 0.86			
	• Rpm1465			
32.	Governor Cooling Pump Motor	Tana	4	
	• 415Vac			
	• 4.9A			
	• 2.2 kW			
L		1		

• Pr 0.8 - - 33. MUV HTU Pack Motor Tana 8 • 4 15Vac - - 15A - 7.5 kW - • Pr 0.8 - - - 34. HP Pump Motor Tana 4 • 164A - - • 5.5 kW - - • 1670 Tana 4 • 415Vac - - • 164A - - • 5.5 kW - - • PF 0.83 - - • 151A - - • 153A - - • 154A - - • 164A -					
33. MIV HPU Pack Motor Tana 8 • 4 15Vac - - • 15A - - • 7,5 kW - - • 16A - - • 16A - - • 16A - - • 16AA - - • 16AA - - • 5,5 kW - - • 7,5 kW - - • 16AA - - • 5,5 kW - - • 15,1A - - • 7,5 kW - - • 15,1A - - • 7,5 kW - - • 15,1A - - • 15,2A<		• PF 0.8			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		• Rpm1610			
• 15A 7.5 kW • $PP 0.8$ - • $PP 0.8$ - • $HP Punp Motor$ Tana 4 • $16.4A$ - - • $PF 0.83$ - - • $PF 0.83$ - - • $15.1A$ - - • $15.1A$ - - • $FF 0.84$ - - • $PF 0.84$ - - • $PF 0.84$ - - • 1370 Tana 1 • $415Vac$ - - • 15.4 - - • 15.4 - - • 15.4 - - • 15.4 - -	33.	MIV HPU Pack Motor	Tana	8	
• 15A 7.5 kW • $PP 0.8$ - • $PP 0.8$ - • $HP Punp Motor$ Tana 4 • $16.4A$ - - • $PF 0.83$ - - • $PF 0.83$ - - • $15.1A$ - - • $15.1A$ - - • $FF 0.84$ - - • $PF 0.84$ - - • $PF 0.84$ - - • 1370 Tana 1 • $415Vac$ - - • 15.4 - - • 15.4 - - • 15.4 - - • 15.4 - -					
• 7.5 kW • FF 0.8 • 9F 0.8 • FF 0.8 • 415Vac • 415Vac • 64A • 5.5 kW • 7.6 kW • FF 0.83 • 8 pm 1440 • 154A • 7.5 kW • 154A • 415Vac • 110A • 1.10A • 37. Shaft Scal Motor Tana • 415Vac • 154A • 0.55 kW • 145Vac • 7.6 kW • 145Vac • 415Vac • 154A • 0.075 kW • 154A <td></td> <td></td> <td></td> <td></td> <td></td>					
• $FF 0.8$ 34. HP Pump Motor Tana 4 • 415Vac • 16.4A • 5.5 kW • F 0.83 • PF 0.83 • 15.1A • 15.1A • 7.5 kW • F 0.84 • Rpm 1433 36. Shaft Seal Motor Tana 1 • 415Vac • 15.1A • 70.85 • Rpm 3470 Tana 1 37. Staft Scal Motor Tana 4 • 415Vac • 15xa • 1000r Tana 2					
• Rpm 2880 - - - 34. HP Fump Motor Tana 4 • 415Yac - - • 415Yac - - • 5.5 kW - - • 8pm 1440 - - 35. Roter Lifting Motor Tana 4 • 415Yac - - • 15.1A - - • 7.5 kW - - • 15.1A - - • 7.5 kW - - • 14353 - - 36. Shaft Sed Motor Tana 1 • 415Vac - - - • 1.10A - 0.37 kW - - • 415Vac - - - - • 415Vac - - - - 37. Shaft Sed Motor Tana 2 - • 415Vac - - - - • 70.68		• 7.5 kW			
• Rpm 2880 - - - 34. HP Fump Motor Tana 4 • 415Yac - - • 415Yac - - • 5.5 kW - - • 8pm 1440 - - 35. Roter Lifting Motor Tana 4 • 415Yac - - • 15.1A - - • 7.5 kW - - • 15.1A - - • 7.5 kW - - • 14353 - - 36. Shaft Sed Motor Tana 1 • 415Vac - - - • 1.10A - 0.37 kW - - • 415Vac - - - - • 415Vac - - - - 37. Shaft Sed Motor Tana 2 - • 415Vac - - - - • 70.68		• PF 0.8			
34. IIP Fump Metor Tana 4 • 415 Yac - • 16.4A - • 5.5 kW - • FF 0.83 - • $Ppm1440$ - 35. Rotor Lifting Molor Tana 4 • 415 Yac - • 15.1A - • 7.5 kW - • F0.84 - • Rpm 1435 - 36. Shaft Scal Motor Tana 1 • 415 Yac - - • 1.10A - - • 7.5 kW - - • 1.10A - - • 7.5 kW - - • 1.5 Vac - - • 1.5 Vac - - • 2.75A - 0.55 kW - • Ff 0.8 - - - • 1.5 Vac - -					
• 415Vac - </td <td>34.</td> <td></td> <td>Tana</td> <td>4</td> <td></td>	34.		Tana	4	
• 16.4A • 5.5 kW • $PF 0.83$ • • $Rpm1140$ Tana 35. Rotor Lifting Motor 15.1A - • 15.1A - • $157xc$ - • $157xc$ - • $157xc$ - • $15x4$ - • $7.5 kW$ - • 1524 - • $157xc$ - • 1435 - 36. Shaft Scal Motor • $110A$ - • $2.75A$ - • $2.75A$ - • $2.75A$ - • $0.55 kW$ - • $FP 0.8$ - • $2.75A$ - • $0.55 kW$ - • $FP 0.8$ - • $2.75A$ - • $0.75 kW$ - • $FP 0.8$ - • $0.75 kW$ - • $0.75 kW$ - • $0.75 kW$ - • $0.75 kW$ - • $157vac$ - • $0.29 kW$		r r			
• 5.5 kW • FF 0.83 - • • FF 0.83 • A 15Vac - 33. Kotor Lifting Motor Tana 4 • • 415Vac - - • 15.1A - - • 7.5 kW - - • FT 0.84 - - • Rpm 1435 - - 36. Shaft Seal Motor Tana 1 • 1.10A - - - • 1.10A - - - • 0.37 kW - - - • FT 0.83 - - - • A 15Vac - - - • 2.75A - - - • 0.35 kW - - - • FP 0.8 - - - • Rpm 2850 - - - 38. Shaft Seal Motor Tana 2 - • 415Vac - - - - • 0.465A - - - - • 0.75 kW - <t< td=""><td></td><td>• 415Vac</td><td></td><td></td><td></td></t<>		• 415Vac			
• 5.5 kW • FF 0.83 - • • FF 0.83 • A 15Vac - 33. Kotor Lifting Motor Tana 4 • • 415Vac - - • 15.1A - - • 7.5 kW - - • FT 0.84 - - • Rpm 1435 - - 36. Shaft Seal Motor Tana 1 • 1.10A - - - • 1.10A - - - • 0.37 kW - - - • FT 0.83 - - - • A 15Vac - - - • 2.75A - - - • 0.35 kW - - - • FP 0.8 - - - • Rpm 2850 - - - 38. Shaft Seal Motor Tana 2 - • 415Vac - - - - • 0.465A - - - - • 0.75 kW - <t< td=""><td></td><td>• 16.4A</td><td></td><td></td><td></td></t<>		• 16.4A			
• FF 0.83 - - - - - 35. Rolor Lifting Molor Tana 4 - - 35. Notal Lifting Molor Tana 4 - - - 36. Shaft Seal Motor Tana 1 - - - - 36. Shaft Seal Motor Tana 1 -					
• Rpm 1440 - <th< td=""><td></td><td></td><td></td><td></td><td></td></th<>					
35. Rotor Lifting Motor Tana 4 • 415Vac - • 15.1A - • 7.5 kW - • FT 0.84 - • 415Vac - • 415Vac - • 1.10A - • 0.37 kW - • FT 0.85 - • 1.10A - • 0.37 kW - • FT 0.85 - • 151A - • 1.10A - • 0.37 kW - • FT 0.85 - • 151ka - • 415Vac - • 2.75A - • 0.35 kW - • FT 0.8 - • 415Vac - • 0.455A - • 0.455A - • 0.75 kW - • FT 0.63 <td></td> <td></td> <td></td> <td></td> <td></td>					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	25	Kpin 1440 Potor Lifting Motor	Tana	4	
• 15.1A • 7.5 kW • PF 0.84 • Rpm 1435 36. Shaft Seal Motor Tana 1 • 415Vac • 1.10A • 0.37 kW • PF 0.85 • Rpm 3470 Tana 4 37. Shaft Seal Motor Tana 4 • 415Vac • 2.75A • 0.35 kW • 70.85 • 0.55 kW • F0.8 • 0.465A - 0.075 kW • F0.68 • A15Vac • 0.465A - 0.075 kW • PF 0.68 • Rpm 17 39. Rotary Filter Motor Tana 2 • 415Vac • 0.39 kW • PF 0.65 • 154A <td>55.</td> <td>Kotor Litting Wotor</td> <td>Tana</td> <td>4</td> <td></td>	55.	Kotor Litting Wotor	Tana	4	
• 15.1A • 7.5 kW • PF 0.84 • Rpm 1435 36. Shaft Seal Motor Tana 1 • 415Vac • 1.10A • 0.37 kW • PF 0.85 • Rpm 3470 Tana 4 37. Shaft Seal Motor Tana 4 • 415Vac • 2.75A • 0.35 kW • 70.85 • 0.55 kW • F0.8 • 0.465A - 0.075 kW • F0.68 • A15Vac • 0.465A - 0.075 kW • PF 0.68 • Rpm 17 39. Rotary Filter Motor Tana 2 • 415Vac • 0.39 kW • PF 0.65 • 154A <td></td> <td>• 415Vac</td> <td></td> <td></td> <td></td>		• 415Vac			
$ \begin{array}{ c c c c c c } & \cdot 7.5 kW & \cdot & $					
• FF 0.84 -					
\cdot Rpm 1435 \cdot \cdot 36. Shaft Seal Motor Tana 1 \cdot 415Vac \cdot <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
36. Shaft Seal Motor Tana I					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	36.	Shaft Seal Motor	Tana	1	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					
$ \begin{array}{ c c c c c c } \hline & & 0.37 kW & & & PF 0.85 & & & & & & & & & & & & & & & & & & &$					
• PF 0.85 Rpm 3470 Tana 4 37. Shaft Seal Motor Tana 4 • 415Vac 2.75A - - • 0.55 kW • PF 0.8 - - • Rpm 2850 Tana 2 - 38. Shaft Seal Motor Tana 2 • 415Vac - - - • 0.465A - - - • 0.465A - - - • 0.465A - - - • 0.75 kW - - - • 97 0.68 - - - • Rpm 17 Tana 2 - 39. Rotary Filter Motor Tana 2 • 415Vac - - - • 0.39 kW - - - • PF 0.65 - - - 40. Cooling Water Pump Motor Tana 3 • 415Vac - - - • 154A - - - • 90 kW - <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
• Rpm 3470Image: constraint of the second seco		• 0.37 kW			
37. Shaft Seal Motor Tana 4 • 415Vac - - • 2.75A - - • 0.55 kW - - • PF 0.8 - - • PF 0.8 - - 38. Shaft Seal Motor Tana 2 • • 15Vac - - • 0.465A - - - • 0.075 kW - - - • 0.075 kW - - - • Rotary Filter Motor Tana 2 - 39. Rotary Filter Motor Tana 2 - • • - - - • 0.09 kW - - - • • - - - - 41. Cooling Water Pump Motor Tana 3 - - • 154A - - - - • 154A - <td></td> <td>• PF 0.85</td> <td></td> <td></td> <td></td>		• PF 0.85			
37. Shaft Seal Motor Tana 4 • 415Vac - - • 2.75A - - • 0.55 kW - - • PF 0.8 - - • PF 0.8 - - 38. Shaft Seal Motor Tana 2 • • 15Vac - - • 0.465A - - - • 0.075 kW - - - • 0.075 kW - - - • Rotary Filter Motor Tana 2 - 39. Rotary Filter Motor Tana 2 - • • - - - • 0.09 kW - - - • • - - - - 41. Cooling Water Pump Motor Tana 3 - - • 154A - - - - • 154A - <td></td> <td>• Rpm 3470</td> <td></td> <td></td> <td></td>		• Rpm 3470			
$ \begin{array}{ c c c c c c } & 2.75A & & & & & & & & & & & & & & & & & & &$	37.		Tana	4	
$ \begin{array}{ c c c c c c } & 2.75A & & & & & & & & & & & & & & & & & & &$					
$ \begin{array}{ c c c c c c } & 0.55 \ kW & & & PF \ 0.8 & & & & Rpm \ 2850 & & & & & & & & \\ & & & Rpm \ 2850 & & & & & & & & \\ & & & & Rpm \ 2850 & & & & & & & & \\ & & & & & & & & & & $		• 415Vac			
$ \begin{array}{ c c c c c } & & & & & & & & & & & & & & & & & & &$		• 2.75A			
$ \begin{array}{ c c c c c } & & & & & & & & & & & & & & & & & & &$		• 0.55 kW			
\bullet Rpm 2850 \bullet Iana 2 38.Shaft Seal MotorTana 2 \bullet 415Vac \bullet 415Vac a a \bullet 0.465A \bullet 0.075 kW a a \bullet 0.075 kW \bullet PF 0.68 a a \bullet Rpm 17 a a 39.Rotary Filter MotorTana 2 \bullet 415Vac a a \bullet 0.34A a a \bullet 0.09 kW e e \bullet PF 0.65 a a 40.Cooling Water Pump MotorTana 3 \bullet 415Vac a a \bullet 154A a a \bullet 90 kW e e \bullet FF 0.86 e a \bullet Rpm 485 a a 41.Compressor Fan MotorTana 2 \bullet 415Vac a a \bullet 1.82A a a					
38. Shaft Seal Motor Tana 2 $415Vac$ $0.465A$ $0.075 kW$ $1000000000000000000000000000000000000$					
• 415Vac - 0.465A • 0.075 kW - PF 0.68 • Rpm 17	38		Tana	2	
• 0.465A • 0.075 kW • PF 0.68 • Rpm 17 39. Rotary Filter Motor Tana 2 • 415Vac • 0.34A • 0.09 kW • 1 • PF 0.65 - 1 40. Cooling Water Pump Motor Tana • 415Vac - 1 • 154A - 90 kW • 90 kW - 1 • PF 0.86 - 1 • 154A - 1 • 90 kW - 1 • PF 0.86 - 1 • 154A - 1 • 90 kW - 1 • 154A - 1 • 90 kW - 1 • 154A - 1 • 154A - 1 • 90 kW - 1 • 154A - 1 • 1 - 1 • 1 - 1 </td <td>00.</td> <td></td> <td>Tunu</td> <td>-</td> <td></td>	00.		Tunu	-	
• 0.465A • 0.075 kW • PF 0.68 • Rpm 17 39. Rotary Filter Motor Tana 2 • 415Vac • 0.34A • 0.09 kW • 1 • PF 0.65 - 1 40. Cooling Water Pump Motor Tana • 415Vac - 1 • 154A - 90 kW • 90 kW - 1 • PF 0.86 - 1 • 154A - 1 • 90 kW - 1 • PF 0.86 - 1 • 154A - 1 • 90 kW - 1 • 154A - 1 • 90 kW - 1 • 154A - 1 • 154A - 1 • 90 kW - 1 • 154A - 1 • 1 - 1 • 1 - 1 </td <td></td> <td>• 415Vac</td> <td></td> <td></td> <td></td>		• 415Vac			
• 0.075 kW • PF 0.68 -					
• PF 0.68 -					
• Rpm 17 Tana 2 39. Rotary Filter Motor Tana 2 • 415Vac - - - • 0.34A - - - • 0.09 kW - - - • PF 0.65 - - - 40. Cooling Water Pump Motor Tana 3 • 415Vac - - - • 154A - - - • 90 kW - - - • PF 0.86 - - - • Rpm 485 - - - 41. Compressor Fan Motor Tana 2 - • 1.82A - - - -					
39. Rotary Filter Motor Tana 2 • 415Vac - - • 0.34A - - • 0.09 kW - - • PF 0.65 - - 40. Cooling Water Pump Motor Tana 3 • 415Vac - - • 154A - - • 90 kW - - • PF 0.86 - - • Rpm 485 - - 41. Compressor Fan Motor Tana 2 • 415Vac - - • 1.82A - -					
• 415Vac • 0.34A • 0.09 kW • PF 0.65 40. Cooling Water Pump Motor Tana • 415Vac • 154A • 90 kW • PF 0.86 • Rpm 485 • 158A 41. Compressor Fan Motor Tana 2	39	Rotary Filter Motor	Tana	2	
• 0.34A	55.		1 ana		
• 0.34A		• 415Vac			
• 0.09 kW • PF 0.65 40. Cooling Water Pump Motor Tana 3 • 415Vac - - • 154A - - • 90 kW - - • PF 0.86 - - • Rpm 485 - - 41. Compressor Fan Motor Tana 2 • 415Vac - - • 154A - - • 90 kW - - • 154A - - • 90 kW - - • 154A - - • 90 kW - - • 154A - - • 154A - - • 154A - - • 154A - - • 415Vac - - • 1.82A - -					
• PF 0.65 Image: Cooling Water Pump Motor Tana 3 40. Cooling Water Pump Motor Tana 3 Image: Cooling Water Pump Motor • 415Vac Image: Cooling Water Pump Motor Tana 3 Image: Cooling Water Pump Motor • 415Vac Image: Cooling Water Pump Motor Image: Cooling Water Pump Motor <td></td> <td></td> <td></td> <td></td> <td></td>					
40.Cooling Water Pump MotorTana3•415Vac3•154A•90 kW•PF 0.86•Rpm 48541.Compressor Fan MotorTana•415Vac•1.82A					
• 415Vac - • 154A - • 90 kW - • PF 0.86 - • Rpm 485 - 41. Compressor Fan Motor • 415Vac - • 1.82A -	40		Tana	0	
• 154A - <td>40.</td> <td>Cooling water rump Motor</td> <td>Tana</td> <td>5</td> <td></td>	40.	Cooling water rump Motor	Tana	5	
• 154A - <td></td> <td>• 415Vac</td> <td></td> <td></td> <td></td>		• 415Vac			
• 90 kW • PF 0.86 • Rpm 485 - 41. Compressor Fan Motor • 415Vac - • 1.82A -					
• PF 0.86 • Rpm 485 • • • • 41. Compressor Fan Motor Tana 2 • • • 415Vac • • • • • • 1.82A • • • • •					
• Rpm 485Image: Compressor Fan MotorTana241.Compressor Fan MotorTana2• 415VacImage: Compared by the second by t					
41. Compressor Fan Motor Tana 2 • 415Vac - - • 1.82A - -					
• 415Vac • 1.82A					
• 1.82A	41.	Compressor Fan Motor	Tana	2	
• 1.82A		4153765			
		• 1.82A			

			I	
	• 0.37 kW			
	• PF 0.78			
	• Rpm 1370			
42.	Compressor Motor	Tana	2	
	• 415Vac			
	• 21A			
	• 0.84 kW			
	• Rpm 2950			
43.	Crane Motor Hoist 40Ton	Tana	1	
	• 400Vac			
	• 31A			
	• 15 kW			
	• PF 0.85			
	Rpm 2910			
4.4	Curren Mater Haist 40Tau	Tauta	1	
44.	Crane Motor Hoist 40Ton	Tana	1	
	• 460Vac			
	• 31A			
	• 18 kW			
	• PF 0.85			
	• Rpm 3500			
45.	Crane Motor Cross Travel	Tana	2	
	• 400Vac			
	• 3.9A			
	• 1.5 kW			
	• PF 0.85			
	• Rpm 2850			
46.	Crane Motor Long Travel	Tana	2	
	(22)			
	• 400Vac			
	• 3.0A			
	• 1.1 kW			
	• PF 0.73			
	Rpm 2770			
47.	Crane Motor Hoist 10Ton	Тапа	1	
41.	Crane Motor noist 1010n	Tana		
	• 2.32A			
	• 0.4 kW			
48.	Rpm1400 Spillway Gate Motor Merilla	Tana	1	
40.	spinway Gale Motor Merina	Tana		
	• 400Vac			
	• 4.95A			
	• 0.79 kW			
49.	Stop Block Crane Merrilla	Tana	1	
ч.,		1 a 11 a		
	• 415Vac			
	• 19A			
	• 9 kW			
	Rpm 2680			
50.	Merrilla Intake Gate Motor	Tana	1	
	• 415Vac			
	• 6.5A			
	• 3.73 kW			
L	UTU KT		II	I

	• Rpm 880				
51.	Rpm 880 Fine Screen Motor Merrilla	Tana	1		
	• 415Vac				
	 12.6A 5.97 kW 				
	• 5.97 KW • Rpm 710				
52.	Water Pump Motor Merrilla	Tana	1		
	415Vac7.44A				
	7.44ARpm 2890				
53.	Head pond Intake Gate Motor	Tana	3		
	• 400Vac				
54.	3.4A Maragua Dam Intake Gate Motor	Tana	3		
01.	Maragua Dani make Gate Motor	Tana	0		
	• 400Vac				
55.	• 3.4A	Tama	1		
55.	Raw Water Pump Motor	Tana	1		
	• 415Vac				
	• 20A				
	• 11 kW				
56.	Rpm 2960 Station Siren Motor	Tatta	1		
56.	Station Siren Motor	Tana	1		
	• 400/440Vac				
	• 1.4A				
	• Rpm 2880				
57.	Transfer Pump	Tana	3		
	• 220~240Vac				
	• 7.92A				
	• 1.1 kW				
58.	Settling Tank Motor	Tana	1		
	• 220~240Vac				
	• 2.15A				
	0.37 kW				
59.	Dosing pump	Tana	3		
	• 230-240Vac				
	1.25A0.12 kW				
	0.12 kWRpm 850				
60	30 MW Vertical Francis Runner	Sondu	2		
	• Output: 30 MW Speed: 500rpm				
61.	Generator Rotor	Sondu	2	Τ	
	• Output: 33,700 kVA				
	• Speed: 500 rpm				
	Rated Current 1769A				
62.	Cooling Water Pumps	Sondu	4		
	• 22 kW				
1	• 400/690 V				

	• 40.5/23.5 A RPM 1465			
63.	7.5 KW Dewatering Pumps	Sondu	2	
64.	Hydraulic Pumps • 415 V • 22.5 A • 1460 rpm 15 HP	Sondu	4	
65.	 Electric Overhead Travelling (EOT) Crane Bridge capacity : 100 T Bridge Speed: 20 m/min Bridge Motor 2 x 6.5kW 40% ED Power supply: 3 ~ 415 V Control Voltage : 240V 	Sondu	2	
66.	 EOT Crane Trolley 1 Trolley load : 100 T Lift : 20m Hoisting Speed: 1.25 m/min Hoisting Motor: 30 kW 60% ED Trolley speed : 10m/min Trolley motor: 1 x 2.2kW 40% ED Aux Hoisting Load: 20T Aux Hoisting Speed: 6.3m/min Aux Hoisting Motor: 23kW 60% ED Monorail Hoist Load: 6T Lift : 25m Nom Hoisting Speed: 8/1.3 m/min Hoisting Motor: 9/1.4 kW 40% ED Nom Traversing Speed: 20/5 m/min 	Sondu	1	
67.	4kW Ventilation Fans	Sondu	2	
68.	 10.6 MW Vertical Francis Runner Output: 10.6MW Speed: 428.6 rpm 	Sangoro	2	
69.	Generator Rotor • Output: 12500 kVA • Speed: 428.6 rpm Rated Current 656.1A	Sangoro	2	
70.	Electric Overhead Travelling (EOT) Crane Main Hoist (Three phase AC 415 V) Lifting Capacity: 45T Lifting Speed: 0.16-1.55 m/min	Sangoro	3	

	Hoisting Height: 23m			
	• Power: 22kW			
	• Speed: 735 rpm Aux Hoist			
	 Lifting Capacity: 5T Lifting Speed: 1.29-12.9 m/min Hoisting Height: 25m Power: 11kW Speed: 970 rpm Travelling Mechanism 			
	 Trolley cross traversing Speed: 1.13~11.3 m/min Power: 4 kW Speed: 950 rpm 			
71.	15KW Dewatering Pumps	Sangoro	2	
72.	Hydraulic Pumps	Sangoro	4	
	 11kW 22.6 A 1450 rpm 			
73.	15kW Ventilation Fans	Sangoro	2	
74.	1MW Vertical Kaplan Runner	Gogo	2	
	 No. Blades 5 Speed: 600 rpm Rated output: 1MW 			
75.	Generator Rotor	Gogo	2	
	 Output: 1150 kVA Speed: 600 rpm Rated Current 189A 			
76.	11kV Drainage Pumps	Gogo	2	
77.	7.5Kw Governor pumps	Gogo	2	
78.	4kW Shaft seal dewatering pumps	Gogo	2	
79.	Turbine Shaft	Turkwel	2	
	 Speed ~600 rpm Diameter ~600mm Weight ~5065kg 			
80.	Intermediate Shaft	Turkwel	2	
	 Speed ~600rpm Diameter ~ 600mm Weight ~ 7009kg 			
81.	Generator Rotor Shaft	Turkwel	2	
	 Speed-600rpm Diameter -Varying Weight -93Tonnes 			
82.	Runner	Turkwel	2	
	• Speed ~ 600rpm Weight ~4950kg			
L			1	

83.	Thrust Collar	Turkwel	2	
	 Speed 600rpm Weight ~ 513kg (including Ring) 			
84.	 Ventilation Fans No. Of Blades – 9 Speed 2800rpm 	Turkwel	6	
85.	Ventilation Motor RotorsSpeed ~ 2800rpm	Turkwel	6	
86.	Main cooling Motor Rotors Speed ~2800rpm	Turkwel	3	

*Quantity listed above are only but average annual consumptions estimated for purposes of bidding.

Tenderer's name (Company)

Signature & _____

Tenderer's Rubber-stamp_____

Date_____

The quantities stated is the Estimated Annual Consumption and will be procured on need basis-As an when required.

Schedule III: VIBRATION ANALYSIS AND ONSITE DYNAMIC BALANCING FOR THERMAL POWER PLANT EQUIPMENT

Station	Descriptions	Quantity	Rates (Dynamic Balancing)	Rates (Vibration analysis)
	Genset coupling.	7		
	Wartsila W46V18 engine.			
	Bore: 460mm			
	Cylinders: 18			
	Speed: 500RPM			
	Rated output: 17550 kW			
	Turbo charge cartridge group	7		
	TPL 76~C33			
	Generator rotors:	7		
	Output 21345 kVA			
	RPM: 500			
Kipevu III	Auxiliary air fan motors 3.8kW	21		
Power Station	Radiator fan rotors 4.8kW	28		
	Inlet ventilation fan motors 14.58 kW	14		
	Roof fan motors 26.4 kW	14		
	HFO transfer pump motors 15kW	2		
	HFO transfer pump motors 30kW	2		
	HFO separator unit motor 23kW	3		
	LFO feeder pump unit motor 5.5 kW	2		
	HFO feeder pump unit motor 7.5 kW	2		
	HFO booster pump unit 7.5 kW	14		
	Pre-lube pump 30kW	7		
	HFO separator unit motor 9.5kW	7		
	Start air compressor motor 28kW	3		

*Quantity listed above are only but average annual consumptions estimated for purposes of bidding.

Tenderer's name (Company)

Signature & _____

Tenderer's Rubber-stamp_____

Date_

The quantities stated is the Estimated Annual Consumption and will be procured on need basis-As an when required.

Schedule IV: VIBRATION ANALYSIS AND ONSITE DYNAMIC BALANCING FOR WIND POWER PLANT EQUIPMENT

Station	Description	Quantity	Rates (Dynamic Balancing)	Rates (Vibration analysis)
Ngong I Phase I	Vestas Turbines (850kW)	6		
Ngong 1 Phase II	Vestas Turbines (850kW)	8		
Ngong II	Gamesa Turbines (850kW)	16		

*Quantity listed above are only but average annual consumptions estimated for purposes of bidding.

Tenderer's name (Company)_____

Signature &		
Tenderer's Rubber-stamp	 	

Date_____

The quantities stated is the Estimated Annual Consumption and will be procured on need basis-As an when required.

Schedule V: TRAINING AND CAPACITY BUILDING

#	Descriptions	Quantity in days	Daily Rate
1	Classroom training, practicals, demonstration and examination fee (onsite) for 20 people for a period of not less than 14 days (CAT 1)	14	
2	Training, practicals, demonstration and examination fee (offsite) for 10 people for a period of not less than 5 days (CAT 1)	5	
3	Online access to course materials (CAT 1)	LOT	
4	Classroom training, practicals, demonstration and examination fee (onsite) for 10 people for a period of not less than 14 days (CAT 2)	14	
5	Training, practicals, demonstration and examination fee (offsite) for 5 people for a period of not less than 5 days (CAT 2)	5	
6	Online access to course materials (CAT 2)	LOT	
7	Classroom training, practicals, demonstration and examination fee (onsite) for 5 people for a period of not less than 14 days (CAT 3)	14	
8	Training, practicals, demonstration and examination fee (offsite) for 5 people for a period of not less than 5 days (CAT 3)	5	
9	Online access to course materials (CAT 3)	LOT	

Tenderer's name (Company)_____

Signature &_____

Tenderer's Rubber-stamp_____

Date_____

Schedule VI: ONE OFF PROCUREMENT

No.	Description	UoM	QTY	Unit Price per
1.	Handheld vibration analyzer completes with accessories	Pc	1	
			Sub-Total Cost	
		Dis	scount (%) if any	
			Add 16% VAT	
	Total Cost (DDP-Olkaria II Geothermal Station)			
		Cui	crency of Tender	
		Name	of Manufacturer	
		С	ountry of Origin	
		Delivery	Period (months)	
			Sub-Total Cost	

Tenderer's name (Company)_____

Signature & _____

Tenderer's Rubber-stamp_____

Date_____

Note; This is a one-off Procurement

1. Method Statement

[Procuring Entity shall provide main features of the expected method of carrying out the contract, including indicating the material, personnel and equipment in puts].

2. Work Plan

[Procuring Entity shall provide main features of the work plan that the Tenderer should provide in the tender for carrying out the contract, from beginning to the end].

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 Tenderer

Information Form] For the attention of Tenderer's Authorized Representative

Name:	[insert Authorized Representative's name]
Address:	.[insert Authorized Representative's Address]
Telephone numbers:	[insert Authorized Representative's telephone/fax numbers]
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.]

Procuring Entity:[insert the name of the Procuring Entity]

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:

a) Request a debriefing in relation to the evaluation of your Tender, and/or

b) Submit a Procurement-related Complaint in relation to the decision to award the contract.

I). The successful Tenderer

Name:	[insert name of successful Tenderer]
Address:	[insert address of the successful Tenderer]
Contract price:	[insert contract price of the successful Tender]

ii). Other Tenderers [INSTRUCTIONS: insert 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.]

Name of Tenderer	Tender price	Evaluated Tender price (if applicable)
[insert name]	[insert Tender price]	[insert evaluated price]
[insert name]	[insert Tender price]	[insert evaluated price]
[insert name]	[insert Tender price]	[insert evaluated price]
[insert name]	[insert Tender price]	[insert evaluated price]
[insert name]	[insert Tender price]	[insert evaluated price]

iii). How to request a debriefing

DEADLINE: The deadline to request a debriefing expires at midnight on [insert date] (local time).

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 (3)Business Days of receipt of this Notification of Intention to Award.

Provide the contract name, reference number, name of the Tenderer, contact details; and address the request for debriefing as follows:

Attention:	[insert full name of person, if applicable]
Title/position:	[insert title/position]
Agency:	[insert name of Procuring Entity]
Email address:	. [insert email address]

If your request for a debriefing is received within the3Business Days deadline, we will provide the debriefing within five (5) 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 (5) Business 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.

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.

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) Business Days from the date of publication of the Contract Award Notice.

iv. How to make a complaint

Period: Procurement-related Complaint challenging the decision to award shall be submitted by [*insert date and time*].

Provide the contract name, reference number, name of the Tenderer, contact details; and address the Procurement- related Complaint as follows:

Attention:	[insert full name of person, if applicable]
Title/position:	[insert title/position]
Agency:	[insert name of Procuring Entity]
Email address:	[insert email address]

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 Stand still Period and received by us before the Stand still Period ends.

In summary, there are four essential requirements:

- 1. 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.
- 2 The complaint can only challenge the decision to award the contract.
- 3. You must submit the complaint within the period stated above.
- 4. You must include, in your complaint, all of the information required to support the complaint.
- 5. The application must be accompanied by the fees set out in the Procurement Regulations, which shall not be refundable (information available from the Public Procurement Authority at<u>info@ppra.go.ke</u> or<u>complaints@ppra.go.ke</u>

Tender for Onsite Dynamic Balancing and Vibration Analysis of Rotating Equipment for KenGen Power Plants

v). Standstill Period

DEADLINE: The Standstill Period is due to end at midnight on [insert date] (local time).

The Standstill Period lasts ten (10) Business Days after the date of transmission of this Notification of Intention to Award.

The Standstill Period may be extended as stated in Section 4 above. If you have any questions regarding this Notification please do not hesitate to contact us.

On behalf of the Procuring Entity:

Signature:		
Name:		
Title/position:		
Telephone:		
Email:		

2. REQUEST FOR REVIEW

FORM FOR REVIEW(r.203(1))

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

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

BETWEEN

AND

REQUEST FOR REVIEW

FOR OFFICIAL USE ONLY Lodged with the Secretary Public Procurement Administrative Review Board on.....day of20.....

SIGNED

Board Secretary

3. LETTER OF AWARD

[Form head paper of the Procuring Entity]

.....[date]

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 Special Conditions of Contract]* for the Contract Price of the equivalent of *[amount in numbers and words] [name of currency]*, as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by us (Procuring Entity).

You are requested to furnish the Performance Security within 28days 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.

Please return the attached Contract dully signed

AuthorizedSignature:....

Name and Title of Signatory:.....

Name of Agency:....

Attachment: Contract

LUMP SUM REMUNERATION

This CONTRACT (herein after called the "Contract") is made the *[day]* day of the month of *[month],[year]*, between, on the one hand, *[name of Procuring Entity]* (herein after called the "Procuring Entity") and, on the other hand, *[name of Service Provider]* (hereinafter called the "Service Provider").

[*Note:* In the text below text in brackets is optional; all notes should be deleted in final text. If the Service *Provider consist of more than one entity, the above should be partially amended to read as follows:*...(herein after called the "Procuring Entity") and, on the other hand, a joint venture consisting of the following entities, each of which will be jointly and severally liable to the Procuring Entity for all the Service Provider's obligations under this Contract, namely, *[name of Service Provider]*and*[name of Service Provider]*(herein after called the "Service Provider").]

WHEREAS

- a) The Procuring Entity has requested the Service Provider to provide certain Services as defined in the General Conditions of Contract attached to this Contract (herein after called the "Services");
- b) the Service Provider, having represented to the Procuring Entity that they have the required professional skills, and personnel and technical resources, have agreed to provide the Services on the terms and conditions set forth in this Contract at a contract price of......;

NOW THEREFORE the parties hereto hereby agree as follows:

- 1. The following documents shall be deemed to form and be read and construed as part of this Agreement, and the priority of the documents shall be as follows:
 - a) The Form of Acceptance;
 - b) The Service Provider's Tender
 - c) The Special Conditions of Contract;
 - d) The General Conditions of Contract;
 - e) The Specifications;
 - f) The Priced Activity Schedule; and
 - g) The following Appendices: [*Note:* If any of these Appendices are not used, the words "Not Used" should be inserted below next to the title of the Appendix and on the sheet attached hereto carrying the title of that Appendix.]

Appendix A: Description of the Services

Appendix B: Schedule of Payments Appendix

C: Subcontractors Appendix

D: Breakdown of Contract Price

Appendix E: Services and Facilities Provided by the Procuring Entity

- 2. The mutual rights and obligations of the Procuring Entity and the Service Provider shall be as set forth in the Contract, in particular:
 - a) The Service Provider shall carry out the Services in accordance with the provisions of the Contract; and
 - b) The Procuring Entity shall make payments to the Service Provider in accordance with the provisions of the Contract.

INWITNESSWHERE OF, the Parties here to have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of	[name of Procuring Entity]

[Authorized Representative]

For and on behalf of [name of Service Provider]	
---	--

[Authorized Representative]

[*Note* : If the Service Provider consists of more than one entity, all these entities should appear as signatories, e.g., in the following manner.]

For and on behalf of each of the Members of the Service Provider

[name of member]
[Authorized Representative]
[Authorized Representative]

[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

[Guarantor Form head or SWIFT identifier code]

 TENDER GUARANTEE No.:
 [Insert guarantee reference number]

We have been informed that _____*[insert name of the Tenderer, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members there of]*(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").

Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.

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 Form 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 sign the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Tenderers ("ITT") of the Beneficiary's tendering document.

This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the Contract agreementsignedbytheApplicantandtheperformancesecurityissuedtothe Beneficiary in relation to such Contract agreement; 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.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

[Signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

5 FORM OF TENDER SECURITY (TENDER BOND)

[The Surety shall fill in this Tender Bond Form in accordance with the instructions indicated.]

BOND NO.

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 Kenya , 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][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.

WHERE AS 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]*(herein after called the "Tender").

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal:

- haswithdrawnitsTenderduringtheperiodofTendervaliditysetforthinthePrincipal'sFormofTender("t c) he TenderValidityPeriod"), or any extension the retoprovided by the Principal; or
- having been notified of the acceptance of its Tender by the Procuring Entity during the Tender d) 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 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.

The Surety hereby agrees that its obligation will remain in full force and effect up to and including the date 28 days after the date of expiration of the Tender Validity Period set forth in the Principal's Form of Tender or any extension thereto provided by the Principal.

IN TESTIMONY WHERE OF, the Principal and the Surety have caused these presents to be executed in the irrespective names this day of 20_____.

(Signature)

Principal:_____ Corporate Seal (where appropriate)

Surety:

(Signature)

(Printed name and title)

(Printed name and title)

6 FORM OF TENDER-SECURING DECLARATION

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

Date:	[date (as day, month and year)]
ITT No.:	
Alternative No:	[insert identification No if this is a Tender for an alternative]
То:	

declare that: We understand that, according to your conditions, Tenders must be supported by a

Tender-Securing Declaration.

We accept that we will automatically be suspended from being eligible for Tendering or submitting proposals in any contract with the Procuring Entity for the period of time of *[Two years]*starting on *[Closing date],* if we are in breach four obligation(s) under the Tender conditions, because we:

- a) Have withdrawn our Tender during the period of Tender validity specified in the Form of Tender; or
- b) having been notified of the acceptance of our Tender by the Procuring Entity during the period of Tender validity, (i) fail to sign the Contract agreement; or (ii) fail or refuse to furnish the Performance Security, if required, in accordance with the ITT.

We understand this Tender Securing Declaration shall expire if we are not the successful Tenderer, upon the earlier of (i) our receipt of your notification to us of the name of the successful Tenderer; or (ii) twenty-eight days after the expiration of our Tender.

Name of the Tenderer*_____

Name of the person duly authorized to sign the Tender on behalf of the Tenderer**_____

Title of the person signing the Tender_____

Signature of the person named above_____

Date signed_____,

*: In the case of the Tender submitted by joint venture specify the name of the Joint Venture as Tenderer

**: Person signing the Tender shall have the power of attorney given by the Tenderer attached to the Tender

[Note: In case of a Joint Venture, the Tender-Securing Declaration must be in the name of all members to the Joint Venture that submits the Tender.

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PART II – PROCURING ENTITY'S REQUIREMENTS

SECTION V ~ ACTIVITY SCHEDULE

KenGen intends to obtain a qualified and experienced firm to provide on-site dynamic balancing and vibration analysis for all its rotating elements across all its power plants. KenGen also plans to equip staff with the knowledge and skills required for the aforementioned activities, thus fostering machine performance and productivity. The scope of services includes, but is not limited to:

- 1. The service provider's Vibration Analyst shall carry out the vibration monitoring and analysis, including spectrum/waveform, trend plot & bearing frequency, etc, of rotating equipment, suggesting remedial measures and dynamic balancing with phase analysis of rotary equipment if required as per the instruction from KenGen.
- 2. The service provider shall deploy two manpower (Vibration Analyst—1 No and Support Data Collector—1 No) stationed at any KenGen site to carry out vibration monitoring and analysis of all rotary equipment, prepare reports, etc., in the plant throughout the contract period.
- 3. The vibration analyzer and the required accessories shall be in the service provider's scope. The vibration analyzer should be a minimum Dual-Channel Analyzer with a valid calibration certificate.
- 4. The instrument and the software shall be capable of finding unbalance (static, couple, overhung rotor), misalignment (offset, angular, combination), eccentric rotor, bent shaft, mechanical looseness, structural weakness, soft foot, resonance, mechanical rubbing, problems of belt driven machines, journal bearing defects, antifriction bearing defects (inner race, outer race, cage, rolling elements), problems of hydrodynamic and aerodynamic machines (blade or vane, flow turbulence, cavitation), and gear problems (tooth wear, tooth load, gear eccentricity, backlash, gear misalignment, cracked or broken tooth), etc. It should also be capable of data logging, spectrum capturing, trending data, and determining the severity of equipment conditions while proposing recommendations.
- 5. Analyze the collected vibration data to identify abnormal vibration patterns. Diagnose the root causes of vibration issues, such as imbalance, misalignment, resonance, mechanical defects, etc.
- 6. Based on the given equipment list, the service provider shall perform vibration monitoring at the pre-defined interval. The analyst shall prepare a detailed vibration analysis report for each piece of equipment, including driver and driven units (including gearbox, if any).
- 7. If re-measurement is required or a detailed analysis is needed to identify the root cause of the problem, the same is to be executed as per the KenGen requirement, irrespective of make.
- 8. The service provider shall also perform laser alignment and dynamic balancing based on site requirements.
- 9. The service provider shall also assist in performing Turbine Bearing analysis.
- 10. The service provider shall submit reports of findings and spearhead the Root Cause Analysis. The reports shall be prepared after data collection and analysis for review with KenGen maintenance teams. Prepared reports shall outline the findings of the vibration analysis, remedial measures to address identified issues, and improvements in equipment performance.
- 11. Vibration analysis and dynamic balancing shall be carried out during the day shift. However, as per KenGen's instructions, they may also have to be done at odd hours in an emergency.
- 12. The service provider shall submit learning materials in hard and soft copies. The hard copies should be in full color, bound, and handed to each learner at the end of the training.

- 13. For offsite and onsite works, the service provider shall cover its personnel's travel and accommodation costs, and KenGen will cover its personnel's travel and accommodation costs.
- 14. During offsite training, the service provider shall meet training costs and access to materials, venue, local and overseas logistics, examination, and associated licenses. The service provider shall also facilitate overseas travel documentation.
- 15. All Services must be performed to the complete satisfaction of KenGen.

Schedule 1: Geothermal Power Plant Equipment

Engineering limits for the physical parameters must be established so that pending problems can be detected during routine monitoring. Predictive maintenance compares the trends of measured physical parameters against established limits to aid analysis, detection, and correction of problems before failure occurs. The scope of vibration analysis and onsite dynamic balancing includes all geothermal power stations. They are:

- 1) Olkaria II
- 2) Olkaria 1 Additional Units 4, 5 and 6
- 3) Olkaria IV
- 4) Olkaria V
- 5) Wellhead Units

Schedule 2: Hydro Power Plant Equipment

This schedule covers all hydro plants, which are;

- 1. Masinga
- 2. Kamburu
- 3. Gitaru
- 4. Kindaruma
- 5. Kiambere
- 6. Sondu Miriu
- 7. Sang'oro
- 8. Turkwel

Schedule 3: Thermal Power Plant Equipment

KenGen produces electricity from thermal sources at Kipevu III Diesel Power Plant in Mombasa. Kipevu III is Kenya's largest fossil-fuelled power plant, which runs on Heavy Fuel Oil (HFO) and has a contracted capacity of 115 MW. It was commissioned in 2011 and comprises seven gen-sets manufactured by the Finnish firm Wartsila, each with a capacity of 17MW.

Schedule 4: Wind Power Plant Equipment

The Ngong Wind Farm has three phases: Ngong 1 Phase 1, Ngong 1 Phase II, and Ngong Phase II. Ngong I Phase I has 6 (850kW) Vestas turbines, Ngong I Phase II has 8 (850kW) Vestas turbines, and Ngong II has 16 (850kW) Gamesa turbines. The generators will undergo vibration analysis, while the generator-gearbox couplings will undergo on-site dynamic balancing.

Schedule 5: Training and Capacity Building

This schedule aims to enhance the technical skills of the operation and maintenance team in reliability maintenance in a three-phased accelerated technical program for three (3) years. The target is building capacity in vibration analysis to ISO Category III status through the Mobius Institute. This should entail a mixture of training methods at the site, classroom sessions, overseas exposure, and practical exposure to diverse industries. The initial training can be mainly onsite to manage costs and cover many trainees.

The service provider must submit a technical proposal and detailed training plan covering the phases with clear learning outcomes at each stage. The training and accredited certification should follow ISO 18436-2 and ISO/IEC 17024. The three-phased accelerated technical program is detailed below.

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Tender for Onsite Dynamic Balancing and Vibration Analysis of Rotating Equipment for KenGen Power Plants

Phase 1

The trainer will purchase a handheld vibration analyzer complete with software and a training package in line with the globally known Mobius Institute vibration analysis training practice or equivalent. The trainer will offer onsite, online, and classroom training and certification programs to the Operations and Maintenance team for Category 1. The phase is the critical foundation stage, and course content and curriculum should cover one (1) year of classroom and practical demonstrations at the site. The essentials that contribute to the vibration analysis Category 1 program should entail:

- An introduction to condition monitoring and reliability improvement.
- Introduction to condition monitoring and reliability improvement
- The fundamentals of vibration
- How to collect quality data
- An introduction to vibration analysis and common fault conditions

Learners should be able to learn how to do a good rotating elements job and why it is so important to do a good and reliable job. The training and accredited certification should follow ISO 18436-2 and ISO/IEC 17024.

Key equipment to acquire for this level are:

• Handheld vibration analyzer complete with accessories. This will serve the balancing need for all rotating equipment across KenGen installations.

Phase 2

This phase will entail building capacity within the KenGen team to operate and maintain the equipment and acquire Category II vibration analysis competencies. The team should be trained to use this equipment for diverse applications in our installations. The Category II analyst training learning outcome should entail the following.

- Vibration measurement basics: sensors, mounting, locations, and collecting quality data.
- Signal processing basics: sampling, windowing, averaging, and how to set up the data collected correctly.
- Equipment fault conditions: unbalance, misalignment, bearings, resonance, etc.
- Vibration analysis techniques: spectral analysis, phase analysis, time waveform analysis.

The training and accredited certification should follow ISO 18436-2 and ISO/IEC 17024. This phase should take 1 year to complete.

Phase 3

This phase will target the leaders of the vibration analysis program and the persons within KenGen's O&M teams to be the vibration specialists. Typical learning outcomes should be:

- Advanced signal processing
- How to diagnose the widest range of fault conditions
- How to utilize all of the vibration data types
- Resonance, dynamics, modal, and ODS
- How to manage a program and lead the team

The training and accredited certification should follow ISO 18436-2 and ISO/IEC 17024. This phase will take six months and involve onsite and offsite sessions across the installations and overseas.

WORK SCHEDULES AND SPECIFICATIONS

1.0 INTRODUCTION

Vibration analysis is a powerful diagnostic tool for identifying, monitoring, and preventing mechanical failures in rotating and reciprocating machinery. Measuring and analyzing machine vibrations assists in assessing the health and performance of equipment, enabling the identification of issues and implementation of corrective actions. Since rotating and reciprocating components (e.g., motors, compressors, pumps, etc.) tend to vibrate more intensely as they age, analyzing changes in vibration can help maintenance managers monitor machine conditions in real time and proactively identify asset wear and damage.

The reliability of rotating machinery installations is an essential precondition for enhanced service life and operational dependability. Rotating elements often suffer from imbalance, which must be identified and corrected before disassembly or assembly. Several factors can contribute to imbalance when a rotor has been in service for some time, such as corrosion, wear, distortion, and deposit build-up. On-site dynamic balancing service helps balance most types of revolving machinery. It is performed without removing the rotor and taking the machine out of use; it can be performed easily in minimum time without sending it out for balance. Generally, it entails running equipment at a given speed, measuring the dynamic imbalance, and correcting via adding or removing weight. This can be achieved by making the appropriate corrections on-site using field balancing techniques.

2.0 BACKGROUND – ABOUT KENGEN

KenGen owns and operates several power plants in six operation areas: Olkaria and Eburru, Western, Kipevu, Seven Forks, Upper Tana, and Ngong. Olkaria and Eburru have five conventional power plants and twenty-one wellhead units, which provide power through geothermal sources. The Western region encompasses four hydro stations and a thermal power plant: Turkwel, Sondu Miriu, Sang'oro, Gogo, and Muhoroni Gas Turbine. The Eastern Region has five power plants along the Tana River: Masinga, Kamburu, Gitaru, Kindaruma, and Kiambere. The Upper Tana area comprises four power plants: Mesco, Wanjii, Sagana, and Tana. The Kipevu area entails two thermal plants, while Ngong wind farms are in three phases comprising thirty units of 850kW each.

These power plants have various mechanical systems that experience faults or failures that negatively impact the residual life of installations, such as steam turbines, fans, and motors. These failures impact the projected Return on Invested Capital (ROIC) and bottom line through increased operation, maintenance, and equipment replacement costs.

Notably, KenGen has not exploited this aspect in its vast installations. In addition, the operation and maintenance team on the ground is not well equipped with the requisite equipment, skills, and knowledge in vibration analysis and dynamic balancing of rotating machinery. This presents a great opportunity for Maintenance Reliability Transformation in KenGen's generation fleet by stopping or minimizing equipment failures related to the effects of vibrations.

3.0 SCOPE OF WORK

KenGen intends to obtain a qualified and experienced firm to provide on-site dynamic balancing and vibration analysis for all its rotating elements across all its power plants. KenGen also plans to equip staff with the knowledge and skills required for the aforementioned activities, thus fostering machine performance and productivity. The scope of services includes, but is not limited to:

- 1. The service provider's Vibration Analyst shall carry out the vibration monitoring and analysis, including spectrum/waveform, trend plot & bearing frequency, etc, of rotating equipment, suggesting remedial measures and dynamic balancing with phase analysis of rotary equipment if required as per the instruction from KenGen.
- 2. The service provider shall deploy two manpower (Vibration Analyst—1 No and Support Data Collector—1 No) stationed at any KenGen site to carry out vibration monitoring and analysis of all rotary equipment, prepare reports, etc., in the plant throughout the contract period.

- 3. The vibration analyzer and the required accessories shall be in the service provider's scope. The vibration analyzer should be a minimum Dual-Channel Analyzer with a valid calibration certificate.
- 4. The instrument and the software shall be capable of finding unbalance (static, couple, overhung rotor), misalignment (offset, angular, combination), eccentric rotor, bent shaft, mechanical looseness, structural weakness, soft foot, resonance, mechanical rubbing, problems of belt driven machines, journal bearing defects, antifriction bearing defects (inner race, outer race, cage, rolling elements), problems of hydrodynamic and aerodynamic machines (blade or vane, flow turbulence, cavitation), and gear problems (tooth wear, tooth load, gear eccentricity, backlash, gear misalignment, cracked or broken tooth), etc. It should also be capable of data logging, spectrum capturing, trending data, and determining the severity of equipment conditions while proposing recommendations.
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- 8. The service provider shall also perform laser alignment and dynamic balancing based on site requirements.
- 9. The service provider shall also assist in performing Turbine Bearing analysis.
- 10. The service provider shall submit reports of findings and spearhead the Root Cause Analysis. The reports shall be prepared after data collection and analysis for review with KenGen maintenance teams. Prepared reports shall outline the findings of the vibration analysis, remedial measures to address identified issues, and improvements in equipment performance.
- 11. Vibration analysis and dynamic balancing shall be carried out during the day shift. However, as per KenGen's instructions, they may also have to be done at odd hours in an emergency.
- 12. The service provider shall submit learning materials in hard and soft copies. The hard copies should be in full color, bound, and handed to each learner at the end of the training.
- 13. For offsite and onsite works, the service provider shall cover its personnel's travel and accommodation costs, and KenGen will cover its personnel's travel and accommodation costs.
- 14. During offsite training, the service provider shall meet training costs and access to materials, venue, local and overseas logistics, examination, and associated licenses. The service provider shall also facilitate overseas travel documentation.
- 15. All Services must be performed to the complete satisfaction of KenGen.

PART III – CONDITIONS OF CONTRACT AND CONTRACT FORMS

SECTION VI ~ GENERAL CONDITIONS OF CONTRACT

A. General Provisions

Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- a) The Adjudicator is the person appointed jointly by the Procuring Entity and the Service Provider to resolve disputes in the first instance, as provided for in Sub-Clause8.2 hereunder.
- b) "Activity Schedule" is the priced and completed list of items of Services to be performed by the Service Provider forming part of his Tender;
- c) "Completion Date" means the date of completion of the Services by the Service Provider as certified by the Procuring Entity
- d) "Contract" means the Contract signed by the Parties, to which these General Conditions of Contract (GCC) are attached, together with all the documents listed in Clause 1 of such signed Contract;
- e) "Contract Price" means the price to be paid for the performance of the Services, in accordance with Clause 6;
- f) "Day works" means varied work inputs subject to payment on a time basis for the Service Provider's employees and equipment, in addition to payments for associated materials and administration.
- g) "Procuring Entity" means the Procuring Entity or party who employs the Service Provider
- h) "Foreign Currency" means any currency other than the currency of Kenya;
- i) "GCC" means these General Conditions of Contract;
- j) "Government "means the Government of Kenya;
- k) "Local Currency "means Kenya shilling;
- 1) "Member," in case the Service Provider consist of a joint venture of more than one entity, means any of these entities; "Members" means all these entities, and "Member in Charge" means the entity specified in the SC to act on their behalf in exercising all the Service Provider' rights and obligations towards the Procuring Entity under this Contract;
- m) "Party" means the Procuring Entity or the Service Provider, as the case maybe, and "Parties" means both of them;
- n) "Personnel" means persons hired by the Service Provider or by any Subcontractor as employees and assigned to the performance of the Services or any part there of;
- o) "Service Provider" is a person or corporate body whose Tender to provide the Services has been accepted by the Procuring Entity;
- p) "Service Provider's Tender" means the completed Tendering Document submitted by the Service Provider to the Procuring Entity
- q) "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented;
- r) "Specifications" means the specifications of the service included in the Tendering Document submitted by the Service Provider to the Procuring Entity
- s) "Services" means the work to be performed by the Service Provider pursuant to this Contract, as described in Appendix A; and in the Specifications and Schedule of Activities included in the Service Provider's Tender.
- t) "Subcontractor" means any entity to which the Service Provider subcontracts any part of the Services in accordance with the provisions of Sub-Clauses3.5and4;
- u) "Public Procurement Regulatory Authority (PPRA)" shall mean the Government Agency responsible for oversight of public procurement.

- v) "Project Manager" shall the person appointed by the Procuring Entity to act as the Project Manager for the purposes of the Contract and named in the Particular Conditions of Contract, or other person appointed from time to time by the Procuring Entity and notified to the Contractor.
- w) "Notice of Dissatisfaction" means the notice given by either Party to the other indicating its dissatisfaction and intention to commence arbitration.

1.2 Applicable Law

The Contract shall be interpreted in accordance with the laws of Kenya.

1.3 Language

This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

1.4 Notices

Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, hand delivery, or email to such Party at the address **specified in the SCC**.

1.5 Location

The Services shall be performed at such locations as a respecified in Appendix A, in the specifications and, where the location of a particular task is not so specified, at such locations, whether in Kenya or elsewhere, as the Procuring Entity may approve.

1.6 Authorized Representatives

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Entity or the Service Provider may be taken or executed by the officials **specified in the SCC**.

1.7 Inspection and Audit by the PPRA

Pursuant to paragraph 2.2 e. of Attachment 1 to the General Conditions, the Service Provider shall permit and shall cause its sub contract or sand sub-consultants to permit, PPRA and/or persons appointed by PPRA 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 PPRA. The Service Provider's and its Subcontractors' and sub-consultants' attention is drawn to Sub-Clause 3.10 which provides, inter alia, that acts intended to materially impede the exercise of PPRA's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to PPRA's prevailing sanctions procedures).

1.8 Taxes and Duties

The Service Provider, Subcontractors, and their Personnel shall pay such taxes, duties, fees, and other impositions as may be levied under the Applicable Law, the amount of which is deemed to have been included in the Contract Price.

2. Commencement, Completion, Modification, and Termination of Contract

2.1 Effectiveness of Contract

This Contract shall come into effect on the date the Contract is signed by both parties or such other later date as maybe **stated in the SCC**.

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2.2 Commencement of Services

2.2.1 Program

Before commencement of the Services, the Service Provider shall submit to the Procuring Entity for approval a Program showing the general methods, arrangements order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

2.2.2 Starting Date

The Service Provider shall start carrying out the Services thirty (30) days after the date the Contract becomes effective, or at such other date as may be **specified in the SCC**.

2.3 Intended Completion Date

Unless terminated earlier pursuant to Sub-Clause 2.6, the Service Provider shall complete the activities by the Intended Completion Date, as is **specified in the SCC**. If the Service Provider does not complete the activities by the Intended Completion Date, it shall be liable to pay liquidated damage as per Sub-Clause 3.8. In this case, the Completion Date will be the date of completion of all activities.

2.4 Modification

Modification of the terms and conditions of this Contract, including any modification of the scope of the Services or of the Contract Price, may only be made by written agreement between the Parties.

2.4.1 Value Engineering

The Service Provider 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, if applicable) 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.

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 lifecycle costs to the Procuring Entity; or
- c) improves the quality, efficiency, safety or sustainability of the services; or
- d) yields any other benefits to the Procuring Entity, without compromising the necessary functions of the Facilities.

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 Service Provider 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 lifecycle costs due to any benefit described in
 (a) to(d) above, the amount to be paid to the Service Provider shall be the full increase in the Contract Price.

2.5 Force Majeure

2.5.1 Definition

For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable

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control of a Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

2.5.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and(b) has informed the other Party as soon as possible about the occurrence of such an event.

2.5.3 Extension of Time

Any period with in which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

2.5.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Service Provider shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

2.6 Termination

2.6.1 By the Procuring Entity

The Procuring Entity may terminate this Contract, by not less than thirty(30) days' written notice of termination to the Service Provider, to be given after the occurrence of any of the events specified in paragraphs(a)through

(d) of this Sub-Clause 2.6.1:

- a) If the Service Provider does not remedy a failure in the performance of its obligations under the Contract, within thirty (30) days after being notified or within any further period as the Procuring Entity may have subsequently approved in writing;
- b) if the Service Provider become insolvent or bankrupt;
- c) if, as the result of Force Majeure, the Service Provider is unable to perform a material portion of the Services for a period of not less than sixty (60) days; or
- d) if the Service Provider, in the judgment of the Procuring Entity has engaged in Fraud and Corruption, as defined in paragraph2.2a. of Attachment1 to the GCC, in competing for or in executing the Contract

2.6.2 By the Service Provider

The Service Provider may terminate this Contract, by not less than thirty (30) days' written notice to the Procuring Entity, such notice to be given after the occurrence of any of the events specified in paragraphs (a) and

(b) of this Sub-Clause 2.6.2:

- a) If the Procuring Entity fails to pay any monies due to the Service Provider pursuant to this Contract and not subject to dispute pursuant to Clause 7 within forty-five (45) days after receiving written notice from the Service Provider that such payment is overdue; or
- b) if, as the result of Force Majeure, the Service Provider is unable to perform a material portion of the Services for a period of not less than sixty (60) days.

2.6.3 Payment up on Termination

Upon termination of this Contract pursuant to Sub-Clauses 2.6.1 or 2.6.2, the Procuring Entity shall make the following payments to the Service Provider:

- a) remuneration pursuant to Clause 6 for Services satisfactorily performed prior to the effective date of termination;
- b) except in the case of termination pursuant to paragraphs (a), (b), (d) of Sub-Clause 2.6.1, reimbursement of any reasonable cost incident to the prompt and orderly termination of the Contract, including the cost of the return travel of the Personnel.

3 Obligations of the Service Provider

3.1 General

The Service Provider shall perform the Services in accordance with the Specifications and the Activity Schedule, and carry out its obligations with all due diligence, efficiency, and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Service Provider shall always act, in respect of any matter relating to this Contractor to the Services, as faithful adviser to the Procuring Entity, and shall at all times support and safeguard the Procuring Entity's legitimate interests in any dealings with Subcontractors or third parties.

3.2 Conflict of Interests

3.2.1 Service Provider Not to Benefit from Commissions and Discounts.

The remuneration of the Service Provider pursuant to Clause 6 shall constitute the Service Provider's sole remuneration in connection with this Contractor the Services, and the Service Provider shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contractor to the Services or in the discharge of their obligations under the Contract, and the Service Provider shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

3.2.2 Service Provider and Affiliates Not to be Otherwise Interested in Project

The Service Provider agree that, during the term of this Contract and after its termination, the Service Provider and its affiliates, as well as any Subcontractor and any of its affiliates, shall bed is qualified from providing goods, works, or Services(other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

3.2.3 Prohibition of Conflicting Activities

Neither the Service Provider nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

- a) During the term of this Contract, any business or professional activities in Kenya which would conflict with the activities assigned to them under this Contract;
- b) during the term of this Contract, neither the Service Provider nor their Subcontractors shall hire public employees' inactive duty or on any type of leave, to perform any activity under this Contract;
- c) After the termination of this Contract, such other activities as may be specified in the SCC.

3.3 Confidentiality

The Service Provider, its Subcontractors, and the Personnel of either of them shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information relating to the Project, the Services, this Contract, or the Procuring Entity's business or operations without the prior written consent of the Procuring Entity.

3.4 **The Service Provider** (a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Sub contractors', as the case may be)own cost but on terms and conditions approved by the Procuring Entity, insurance against the risks, and for the coverage, as shall be **specified in the SCC;** and (b) at the Procuring Entity's request, shall provide evidence to the Procuring

Entity showing that such insurance has been taken out and maintained and that the current premiums have been paid.

3.5 Service Provider's Actions Requiring Procuring Entity's Prior Approval

The Service Provider shall obtain the Procuring Entity's prior approval in writing before taking any of the following actions:

- a) Entering into a subcontract for the performance of any part of the Services,
- b) appointing such members of the Personnel not listed by name in Appendix C ("Key Personnel and Subcontractors"),
- c) changing the Program of activities; and
- d) Any other action that may be **specified in the SCC**.

3.6 Reporting Obligations

The Service Provider shall submit to the Procuring Entity the reports and documents specified in Appendix B in the form, in the numbers, and within the periods set forth in the said Appendix.

3.7 Documents Prepared by the Service Provider to Be the Property of the Procuring Entity

All plans, drawings, specifications, designs, reports, and other documents and software submitted by the Service Provider in accordance with Sub-Clause 3.6 shall become and remain the property of the Procuring Entity, and the Service Provider shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Procuring Entity, together with a detailed inventory thereof. The Service Provider may retain a copy of such documents and software. Restrictions about the future use of these documents, if any, shall be **specified in the SCC**.

3.8 Liquidated Damages

3.8.1 Payments of Liquidated Damages

The Service Provider shall pay liquidated damages to the Procuring Entity at the rate per day **stated in the SCC** for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount **defined in the SCC**. The Procuring Entity may deduct liquidated damages from payments due to the Service Provider. Payment of liquidated damages shall not affect the Service Provider's liabilities.

3.8.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Entity shall correct any overpayment of liquidated damages by the Service Provider by adjusting the next payment certificate. The Service Provider shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in Sub-Clause 6.5.

3.8.3 Lack of performance penalty

If the Service Provider has not corrected a Defect within the time specified in the Procuring Entity's notice, a penalty for Lack of performance will be paid by the Service Provider. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as described in Sub-Clause7.2 and **specified in the SCC**.

3.9 Performance Security

The Service Provider shall provide the Performance Security to the Procuring Entity no later than the date specified in the Form of acceptance. The Performance Security shall be issued in an amount and form and by a bank or surety acceptable to the Procuring Entity, and denominated in the types and proportions of the currencies in which the Contract Price is payable. The performance Security shall be valid until a date 28 day from the Completion Date of the Contract in case of a bank guarantee, and until one year from the Completion Date of the Contract in the case of a Performance Bond.

3.10 Fraud and Corruption

The Procuring Entity requires compliance with the Government's Anti-Corruption laws and its prevailing sanctions. The Procuring Entity requires the Service Provider to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party 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.

3.11 Sustainable Procurement

The Service Provider shall conform to the sustainable procurement contractual provisions, if and as specified in the **SCC**.

4 Service Provider's Personnel

4.1 Description of Personnel

The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Service Provider's Key Personnel are described in Appendix C. The Key Personnel and Subcontractors listed by title as well as by name in Appendix Care hereby approved by the Procuring Entity.

4.2 Removal and/or Replacement of Personnel

- a) Except as the Procuring Entity may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Service Provider, it becomes necessary to replace any of the Key Personnel, the Service Provider shall provide as a replacement a person of equivalent or better qualifications.
- b) If the Procuring Entity finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Service Provider shall, at the Procuring Entity's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Entity.
- c) The Service Provider shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

5 Obligations of the Procuring Entity

5.1 Assistance and Exemptions

The Procuring Entity shall use its best efforts to ensure that the Government shall provide the Service Provider such assistance and exemptions as **specified in the SCC**.

5.2 Change in the Applicable Law

If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the Services rendered by the Service Provider, then the remuneration and reimbursable expenses otherwise payable to the Service Provider under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred to in Sub-Clauses 6.2(a) or (b), as the case may be.

5.3 Services and Facilities

The Procuring Entity shall make available to the Service Provider the Services and Facilities listed under Appendix F.

6 Payments to the Service Provider

6.1 Lump-Sum Remuneration

The Service Provider's remuneration shall not exceed the Contract Price and shall be a fixed lumpsum including all Subcontractors' costs, and all other costs incurred by the Service Provider in carrying out the Services described in Appendix A. Except as provided in Sub-Clause 5.2, the Contract Price may only be increased above the amounts stated in Sub-Clause 6.2 if the Parties have agreed to additional payments in accordance with Sub- Clauses2.4and6.3.

6.2 Contract Price

- a) The price payable is set forth in the SCC.
- b) Price may be payable in foreign currency, if so allowed in this document.

6.3 Payment for Additional Services, and Performance Incentive Compensation

- 6.3.1 For the purpose of determining the remuneration due for additional Services as may be agreed under Sub-Clause 2.4, a breakdown of the lump-sum price is provided in Appendices D and E.
- 6.3.2 If the SCC so specify, the service provider shall be paid performance incentive compensation asset out in the Performance Incentive Compensation appendix.
- 6.3.3 Where the contract price is different from the corrected tender price, in order to ensure the contractor is not paid less or more relative to the contract price (*which would be the tender price*), payment valuation certificates and variation orders on omissions and additions valued based on rates in the schedule of rates in the Tender, will be adjusted by a <u>plus or minus</u> percentage. The percentage already worked out during tender evaluation is worked out as follows: (*corrected tender price-tender price/tender price X100*.

6.4 Terms and Conditions of Payment

Payments will be made to the Service Provider according to the payment schedule **stated in the SCC**. **Unless otherwise stated in the SCC**, the advance payment (Advance for Mobilization, Materials and Supplies) shall be made against the provision by the Service Provider of a bank guarantee for the same amount, and shall be valid for the period **stated in the SCC**. Any other payment shall be made after the conditions **listed in the SCC** for such payment have been met, and the Service Provider have submitted an invoice to the Procuring Entity specifying the amount due.

6.5 Interest on Delayed Payments

If the Procuring Entity has delayed payments beyond thirty (30) days after the due date stated in the **SCC**, interest shall be paid to the Service Provider foreach day of delay at the rate stated in **the SCC**.

6.6 Price Adjustment

6.6.1 Prices shall be adjusted for fluctuations in the cost of inputs only if **provided for in the SCC.** If so provided, the amounts certified in each payment certificate, after deducting for Advance Payment, shall be adjusted by applying the respective price adjustment fact or to the payment amounts due in each currency. A separate formula of the type indicated below applies to each Contract currency:

$P_C = A_C + B_C Lmc / Loc + C_C Imc / Ioc$

Where:

P_c is the adjustment factor for the portion of the Contract Price payable in a specific currency "c".

 A_C , B_C and C_C are coefficients specified in the **SCC**, representing: A_C the non-adjustable portion; B_C the adjustable portion relative to labor costs and C_C the adjustable portion for other inputs, of the Contract Price payable in that specific currency "c"; and

Lmc is the index prevailing at the first day of the month of the corresponding invoiced ate and Loc is the index prevailing 28 days before Tender opening for labor; both in the specific currency "c".

Imc is the index prevailing at the first day of the month of the corresponding invoice date and loc is the index prevailing 28 days before Tender opening for other inputs payable; both in the specific currency "c".

If a price adjustment factor is applied to payments made in a currency other than the currency of the source of the index for a particular indexed input, a correction factor Zo/Zn will be applied to the respective component factor of pn for the formula of the relevant currency. Zo is the number of units of Kenya Shillings of the index, equivalent to one unit of the currency payment on the date of the base index, and Zn is the corresponding number of such currency units on the date of the current index.

6.6.2 If the value of the index is changed after it has been used in a calculation, the calculation shall be corrected and an adjustment made in the next payment certificate. The index value shall be deemed to take account to fall changes in cost due to fluctuations in costs.

6.7 Day works

- 6.7.1 If applicable, the Day work rates in the Service Provider's Tender shall be used for small additional amounts of Services only when the Procuring Entity has given written instructions in advance for additional services to be paid in that way.
- 6.7.2 All work to be paid for as Day works shall be recorded by the Service Provider on forms approved by the Procuring Entity. Each completed form shall be verified and signed by the Procuring Entity representative as indicated in Sub-Clause 1.6 within two days of the Services being performed.
- 6.7.3 The Service Provider shall be paid for Day works subject to obtaining signed Day works forms as indicated in Sub-Clause6.7.2

7 Quality Control

7.1 Identifying Defects

The principle and modalities of Inspection of the Services by the Procuring Entity shall be as **indicated in the SCC.** The Procuring Entity shall check the Service Provider's performance and notify him of any Defects that are found. Such checking shall not affect the Service Provider's responsibilities. The Procuring Entity may instruct the Service Provider to search for a Defect and to uncover and test any service that the Procuring Entity considers may have a Defect. Defect Liability Period is as **defined in the SCC**.

Correction of Defects, and Lack of Performance Penalty

- a) The Procuring Entity shall give notice to the Service Provider of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.
- b) Every time notice a Defect is given, the Service Provider shall correct the notified Defect within the length of time specified by the Procuring Entity's notice.
- c) If the Service Provider has not corrected a Defect within the time specified in the Procuring Entity's notice, the Procuring Entity will assess the cost of having the Defect corrected, the Service Provider will pay this amount and a Penalty for Lack of Performance calculated as described in Sub-Clause 3.8.

8 Settlement of Disputes

8.1 Contractor's Claims

- 8.1.1 If the Contractor considers himself to be entitled to any extension of the Time for Completion and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give notice to the Project Manager, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 28 days after the Contractor became aware, or should have become aware, of the event or circumstance.
- 8.1.2 If the Contractor fails to give notice of a claim within such period of 28days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Procuring Entity shall be discharged from all liability in connection with the claim. Otherwise, the following

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provisions of this Sub- Clauses hall apply.

- 8.1.3 The Contractor shall also submit any other notices which are required by the Contract, and supporting particulars for the claim, all s relevant to such event or circumstance.
- 8.1.4 The Contractor shall keep such contemporary records as may be necessary to substantiate any claim, either on the Site or at another location acceptable to the Project Manager. Without admitting the Procuring Entity's liability, the Project Manager may, after receiving any notice under this Sub-Clause, monitor the record-keeping and /or instruct the Contractor to keep further contemporary records. The Contractor shall permit the Project Manager to inspect all these records, and shall (if instructed) submit copies to the Project Manager.
- 8.1.5 Within 42 days after the Contractor became aware (or should have become aware) of the event or circumstance giving rise to the claim, or within such other period as may be proposed by the Contractor and approved by the Project Manager, the Contractor shall send to the Project Manager a fully detailed claim which includes full supporting particulars of the basis of the claim and of the extension of time and /or additional payment claimed. If the event or circumstance giving rise to the claim has a continuing effect:
- 8.1.5.1 This fully detailed claim shall be considered as interim;
 - a) The Contractor shall send further interim claims at monthly intervals, giving the accumulated delay and /or amount claimed, and such further particulars as the Project Manager may reasonably require; and
 - b) The Contractor shall send a final claim within 28 days after the end of the effects resulting from the event or circumstance, or within such other period as may be proposed by the Contractor and approved by the Project Manager.
- 8.1.6 Within 42 days after receiving a claim or any further particulars supporting a previous claim, or within such other period as may be proposed by the Project Manager and approved by the Contractor, the Project Manager shall respond with approval, or with disapproval and detailed comments. He may also request any necessary further particulars, but shall nevertheless give his response on the principles of the claim within the above defined time period.
- 8.1.7 Within the above defined period of 42 days, the Project Manager shall proceed in accordance with Sub-Clause
 3.5[Determinations] to agree or determine (i) the extension (if any) of the Time for Completion (before or after its expiry) in accordance with Sub-Clause 8.4 [Extension of Time for Completion], and/or (ii) the additional payment (if any) to which the Contractor is entitled under the Contract.
- 8.1.8 Each Payment Certificate shall include such additional payment for any claim as has been reasonably substantiated as due under the relevant provision of the Contract. Unless and until the particulars supplied are sufficient to substantiate the whole of the claim, the Contractor shall only been titled to payment for such part of the claim as he has be enable to substantiate.
- 8.1.9 If the Project Manager does not respond within the time framed fined in this Clause, either Party may consider that the claim is rejected by the Project Manager and any of the Parties may refer to Arbitration in accordance withSub-Clause8.2 [Matters that may be referred to arbitration].
- 8.1.10 The requirements of this Sub-Clause are in addition to those of any other Sub-Clause which may apply to a claim. If the Contract or fails to comply with this or another Sub-Clause in relation to any claim, any extension of time and/or additional payment shall take account of the extent (if any) to which the failure has prevented or prejudiced proper investigation of the claim, unless the claim is excluded under the second paragraph of this Sub-Clause.

8.2 Matters that may be referred to arbitration

- 8.2.1 Notwithstanding anything stated herein the following matters may be referred to arbitration before the practical completion of the Services or abandonment of the Services or termination of the Contract by either party:
 - a) The appointment of a replacement Project Manager upon the said person ceasing to act.

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- b) Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions
- c) Whetherornotacertificatehasbeenimproperlywithheldorisnotinaccordance with these Conditions.
- e) Any dispute arising in respect of war risks or war damage.
- f) All other matters shall only be referred to arbitration after the completion or alleged completion of the Services or termination or alleged termination of the Contract, unless the Procuring Entity and the Contractor agree otherwise in writing.

8.3 Amicable Settlement

8.3.1 Where a Notice of Dis satisfaction has been given, both Parties shall attempt to settle the dispute amicably before the commencement of arbitration. However, unless both Parties agree otherwise, the Party giving a Notice of Dissatisfaction in accordance with Sub-Clause 8.1 above should move to commence arbitration after the fifty-sixth day from the day on which a Notice of Dissatisfaction was given, even if no attempt at an amicable settlement has been made.

8.4 Arbitration

- 8.4.1 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 8.3 shall be finally settled by arbitration. Arbitration shall be conducted in accordance with the Arbitration Laws of Kenya.
- 8.4.2 The arbitrators shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Project Manager, relevant to the dispute. Nothing shall disqualify representatives of the Parties and the Project Manager from being called as a witness and giving evidence before the arbitrators on any matter whatsoever relevant to the dispute.
- 8.4.3 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for dissatisfaction given in its Notice of Dissatisfaction.
- 8.4.4 Arbitration may be commenced prior to or after completion of the services. The obligations of the Parties, and the Project Manager shall not be altered by reason of any arbitration being conducted during the progress of the services.
- 8.4.5 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.

8.5 Arbitration with proceedings

- 8.5.1 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 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 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;
 - a) Law Society of Kenya or
 - b) Chartered Institute of Arbitrators (Kenya Branch)
- 8.5.2 The institution written to first by the aggrieved party shall take precedence over all other institutions.
- 8.5.3 The arbitration maybe on the construction of this Contractor on any matter or thing of what so ever nature arising there under or in connection there with, including any matter or thing left by this Contract to the discretion of the Project Manager, or the withholding by the Project Manager of any certificate to which the Contractor may claim to been titled to or the measurement and valuation referred to in clause 23.0 of these conditions, or the rights and liabilities of the parties subsequent to the termination of Contract.
- 8.5.4 Provided that 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 ninety days of the occurrence

or discovery of the matter or issue giving rise to the dispute.

- 8.5.5 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.
- 8.5.6 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, tests 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 certificate.
- 8.5.7 The Arbitrator shall, without prejudice to the generality of his powers, have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision requirement or notice had been given.
- 8.5.8 The award of such Arbitrator shall be final and binding upon the parties.

8.6 Failure to Comply with Arbitrator's Decision

8.6.1 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.

9.1 The Adjudicator

- 9.1.1 Should the Adjudicator resign or die, or should the Procuring Entity and the Service Provider agree that the Adjudicator is not functioning in accordance with the provisions of the Contract; a new Adjudicator will be jointly appointed by the Procuring Entity and the Service Provider. In case of disagreement between the Procuring Entity and the Service Provider, within 30days, the Adjudicator shall be designated by the Appointing Authority **designated in the SCC** at the request of either party, within 14 days of receipt of such request.
- 9.2 The Adjudicator shall be paid by the hour at the rate **specified in the TDS and SCC**, together with reimbursable expenses of the type's **specified in the SCC**, and the cost shall be divided equally between the Procuring Entity and the Service Provider, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator's decision will be final and binding.

SECTION VII ~ SPECIAL CONDITIONS OF CONTRACT

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract			
1.1(d)	The contract name is <i>Tender for Onsite Dynamic Balancing and Vibration Analysis of</i> <i>Rotating Equipment for KenGen Power Plants</i>			
1.1(g)	The Procuring Entity is Kenya Electricity Generating Company PLC			
1.4	The addresses are:			
	General Manager, Supply Chain, Postal address P.O Box 47936 00100 Nairobi, Kenya Physical Address KenGen Pension Plaza II, 9 th Floor, Kolobot Road, Parklands. Telephone: 0711036000			
	Electronic mail address: <u>contracts@kengen.co.ke</u> ;			
	Service Provider:			
	Attention:			
	Email address			
1.6	The Authorized Representatives are:			
	For the Procuring Entity:			
	For the Service Provider:			
2.1	The date on which this Contract shall come into effect Upon contract signing			
2.2.2	The Starting Date for the commencement of Services is Upon contract signing.			
2.3	The contract duration shall be three (3) years			
	The contract will be executed through framework agreement provided for under the Public Procurement and Asset Disposal Act, 2015.			
	The procuring entity (KenGen) will make call-offs orders as and when required.			
	The quantities provided in the schedule of requirement have been extracted from the procuring entity's list of Original Equipment Manufacturer (OEMS) recommended spares and do not imply actual demand but have been given for purposes of planning under this contract.			
3.9	Performance Security			
	Performance security shall be at 2% of the Approximate contract Value where the contract value is above five million shillings (5M).			
	The performance security shall remain valid for 30 days beyond the validity of the completion period of the Contract.			
	The Performance Security shall be in the form of: an on-Demand Bank Guarantee from a bank registered by Central Bank of Kenya"			
	The Performance security shall be denominated in the currency of the contract or a freely convertible currency acceptable to the Procuring Entity. The insurance coverage shall be as specified in the Incoterms.			
	The terms shall be strictly:			

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract						
	One Off Supply – Schedule VI– DDP-Olkaria II Power station						
	In DDP, the supplier assumes all responsibilities and costs for delivering the items to the named place of destination, all duties and taxes paid.						
6.2(a)	The amount in Kenya Shillings						
	The inspections and tests shall be:						
	 All consignments subject to Pre-Export Verification of Conformity (PVoC) to Standards Programme must obtain a Certificate of Conformity (CoC) issued by PvoC Country Offices Prior to shipment. The Certificate is a mandatory Customs Clearance document in Kenya; Consignments arriving at Kenyan Ports without this document will be denied entry into the Country. Since PVoC is a conformity assessment process to verify that products imported to Kenya are in compliance with the applicable Kenya standards or approved equivalents, regulations and technical requirements before shipment, it is the sole responsibility of the supplier (i.e. exporter) to demonstrate the same and hence meet any associated costs of verification. 						
6.3.2	Not Applicable						
	FRAMEWORK PRICES						
	Price are exepcted to be fixed during the first 12 months of the three years Framework contracta) Contract price variation shall not be allowed for the first 12 months of the contract.b) Where contract price variation is to be considered, the variation shall not exceed 25% of the original contract unit price.c) The price variation is to be executed within the contract period						
	 d) Price variation requests shall be processed by KenGen within 30 days of receiving the request subject to successful negotiation between the contracting parties. e) Price variation request must be made by the supplier to KenGen for consideration. The supplier shall state the factors affecting the prices to support the application. The price adjustment formula in the contract is as follows in accordance with Sub-Clause 6.6. 						
	ONE OFF SUPPLY PRICES						
6.5	Prices for Schedule VI shall be fixed. Payment shall be thirty (30) days upon delivery, Inspection, and acceptance. Local suppliers shall be paid through Electronic Funds Transfer (EFT).						
	Advance Payment is not applicable						
6.6.1	Advance payment is not applicable. The price adjustment formula in the contract is as follows in accordance with Sub- Clause 6.6.						
	(a) For local currency:						
	$P1 = PO \times F$						
	Where;						
	<i>P1 = Revised Contract Price after passage of time, (t) months</i>						

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract			
	<i>PO = Initial Contract Price at initial date, (0) months</i>			
	F = Adjustment Factor			
	and;			
	(b) For foreign currency			
	F = x + a(A1/A0) + b(B1/B0) + c(C1/C0) + d(D1/D0) + e(E1/E0) + etc			
	Where;			
	• AO, BO, CO, DO, EO etc indices of the component items at the initial date as published by the Kenya National Bureau of Statistics (KNBS).			
	A1, B1, C1, D1, E1 etc indices of the component items at the future date as published by the KNBS.			
	x is a constant			
	a, b, c, d, e, etc coefficients that reflect the relative weights or proportions of the component items in relation to the Contract Price.			
	The sum of "x" and the coefficients "a, b, c, d, e, etc" total 1.0			
	Note; The price adjustment will be guided by the PPDA 2015 and subsequent relevant amendment			
	Delivery Period			
	Delivery period shall be within 21 days upon receipt of LPO unless otherwise reviewed by the KenGen Engineer.			
	The services shall be delivered 'as and when required' from the contract signature date.			
	Schedule VI - Delivery period shall be within one (1) year from the contract signature.			
Prices	Prices indicated in the tender price schedule shall include all cost including taxes			
Warranty.	Goods supplied shall be under 12 month's warranty.			
	Services Rendered shall be under 12-month warranty			
	The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, workmanship, or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country.			
	The warranty period for the Goods is specified under the Special Conditions of Contract.			
	KenGen shall promptly notify the Supplier in writing of any claims arising under this warranty.			
	Upon receipt of such notice, the Supplier shall, within the period specified in the Special Conditions of Contract, and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to KenGen.			
	If the Supplier, having been notified, fails to remedy the defect(s) within the period			

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	specified or within a reasonable period, KenGen may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which KenGen may have against the Supplier under the Contract.
Resolution of disputes	Resolution of disputes
uspues	The procuring entities and the contractor shall make every effort to resolve to be amicably by direct informal negotiations any disagreement or dispute arising between them under or in connection with the contract
Arbitration	Arbitration where necessary shall be by the Chartered Institute of Arbitrators Kenya Chapter
Governing	Governing Language
Language	The contract shall be written in the English language. All correspondence and other documents pertaining to the contract, which are exchanged by the parties, shall be written in the same language.
Taxes	a) "Taxes" means all present and future taxes, levies, duties, charges, assessments, deductions or withholdings whatsoever, including any interest thereon, and any penalties and fines with respect thereto, wherever imposed, levied, collected, or withheld pursuant to any regulation having the force of law and "Taxation" shall be construed accordingly.
	b) Local Taxation
	i.Nothing in the Contract shall relieve the Contractor and/or his Sub-Contractors from their responsibility to pay any taxes, statutory contributions and levies that may be levied on them in Kenya in respect of the Contract.
	ii. The Contract Price shall include all applicable taxes and shall not be adjusted for any of these taxes.
	iii.Tax exemption granted under this Contract shall be for an official aid funded project and shall be as provided under the applicable tax laws in Kenya.
	iv.The Contractor shall be deemed to be familiar with the tax laws in the Employer's Country and satisfied themselves with the requirements for all taxes, statutory contributions and duties to which they may be subjected during the term of the Contract. This shall include applicable local or foreign withholding tax, excise duty, Value Added Tax (VAT), importation duties, Local government taxes, and any other taxes not mentioned herein.
	v.In instances where discussions are held between the Employer and the Contractor regarding tax matters, this shall not be deemed to constitute competent advice and hence does not absolve the Contractor of their responsibility in relation to due diligence on the tax issue as per (i).
	c) Tax Deduction i. If the Employer is required to make a tax deduction by Law, then the deduction shall be made from payments due to the Contractor and paid directly to the Kenya Revenue Authority. The Employer shall upon remitting the tax to Kenya Revenue Authority furnish the Contractor with the relevant tax deduction certificates.
	ii.Where payments for the Contract Price are made directly by the financiers to the Contractor, the Contractor and the financiers shall make the necessary arrangements with Employer to ensure that withholding income tax is remitted to the Kenya Revenue Authority.

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract				
	d) Tax Indemnity i.The Contractor shall indemnify and hold the Employer harmless from and against any and all tax liabilities, which the Employer may incur for any reason of failure by the Contractor to comply with any tax laws arising from the execution of the Contract whether during the term of the Contract or after its expiry.				
	ii. The Contractor warrants to pay the Employer (within fourteen (14) days of demand by the Employer), an amount equal to the loss, liability or cost which the Employer determines has been (directly or indirectly) suffered by the Employer for or on account of the Contractor's Tax liability arising from the Contract.				
	iii. Where the amount in (ii) above remains unpaid after the end of the fourteen (14) days moratorium, the Employer shall be entitled to compensation for financing charges.				
	Bidders should clearly indicate expected delivery time from the time an LPO is awarded.				
	Presence of KenGen staff during material testing, critical steps and machining is mandatory.				
Framework	The following will apply to the framework contract				
Contracting	~ Price shall remain fixed for one year				
	- The contracting period is Three (3) years but one year renewable further upon mutual agreement - The parties will review the contractual engagement after the first year before committing to the second year.				
	- Orders shall be placed from time to time as and when need arises to the contracted suppliers				
	- The quantities indicated are only but average consumption for purposes of bidding				

C. <u>APPENDICES</u>

Appendix A ~ Description of the Services

Give detailed descriptions of the Services to be provided, dates for completion of various tasks, place of performance for different tasks, specific tasks to be approved by Procuring Entity, etc.

Appendix B - Schedule of Payments and Reporting Requirements

List all milestones for payments and list the format, frequency, and contents of reports or products to be delivered; persons to receive them; dates of submission; etc. If no reports are to be submitted, state here "Not applicable."

Appendix C - Breakdown of Contract Price

List here the elements of cost used to arrive at the breakdown of the lump-sum price:

- 1. Rates for Equipment Usage or Rental or for Personnel (Key Personnel and other Personnel).
- 2. Reimbursable expenditures.

This appendix will exclusively be used for determining remuneration for additional Services.

Appendix D - Services and Facilities Provided by the Procuring Entity

D. FORMS

SECTION VIII ~CONTRACT FORMS

FORM NO. 1 ~ PERFORMANCE SECURITY – (Unconditional Demand Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: ______ [insert name and Address of Procuring Entity]

Date: [Insert date of issue]

PERFORMANCE GUARANTEE No.:

- 1. We have been informed that ______ (hereinafter called "the Applicant") has entered into Contract No. ______ with the Beneficiary, for the execution of ______ (herein after 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 Applicant, we as Guarantor, hereby irrevocably under take to pay the Beneficiary any sum or sums not exceeding in total an amount of 0, 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 dema nd 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 this 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.

¹ The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, less provisional sums, if any, and denominated either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Beneficiary.

²Insert the date twenty-eight days after the expected completion date as described in GC Clause 11.9. The Procuring Entity should note that in the event of an extension of this date for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Procuring Entity might consider adding the following text to the form, at the end of the pen ultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for such extension, 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."

FORM No. 2 ~ 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 Procuring Entity]

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 (herein after called "the Surety"), are held and firmly bound unto ______] as Obligee (herein after called "the Procuring Entity") 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 Procuring Entity 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 herein after 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 Procuring Entity to be, in default under the Contract, the Procuring Entity having performed the Procuring Entity's obligations there under, 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 Procuring Entity for completing the Contract in accordance with its terms and conditions, and upon determination by the Procuring Entity and the Surety of the lowest responsive Tenderers, arrange for a Contract between such Tenderer, and Procuring Entity 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 here under, 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 Procuring Entity to Contractor under the Contract, less the amount properly paid by Procuring Entity to Contractor; or
 - 3) pay the Procuring Entity the amount required by Procuring Entity 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 Procuring Entity named herein or the heirs, executors, administrators, successors, and assigns of the Procuring Entity.

6. In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this day_______of____20_

SIGNED ON	on behalf
of by	in the capacity
of In the presence of	
SIGNED ON	on behalf
of By	in the capacity

of In the presence of

FORM NO. 3 ~ ADVANCE PAYMENT SECURITY [Demand Bank Guarantee]

[Guarantor letter head or SWIFT identifier code] [Guarantor letter head or SWIFT identifier code]

Beneficiary: _____ [Insert name and Address of Procuring Entity]

Date:_____[Insert date of issue]

ADVANCE PAYMENTGUARANTEE No.: [Insert guarantee reference number]

Guarantor: [Insert name and address of place of issue, unless indicated in the letterhead]

- 1. We have been informed that ______ (hereinafter called "the Applicant") has entered into Contract No. ______ dated ______ with the Beneficiary, for the execution of _______ (herein after called "the Contract").
- 2. Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum

0 is to be made against an advance payment 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 _____()¹ 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 ac companying or identifying the demand, stating either that the Applicant:
 - a) Has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or
 - b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.
- 4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Applicant on its account number__at____
- 5. The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90)percent of the Accepted Contract

Amount, less provisional sums, has been certified for payment, or on the day of 2^{2} , whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months] [one year],* in response to the Beneficiary' s written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

[Name of Authorized Official, signature(s) and seals/stamps]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Procuring Entity.

² Insert the expected expiration date of the Time for Completion. The Procuring Entity should note that in the event of an extension of the time for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Procuring Entity might consider adding the following ext. to the form, at the end of the penultimate paragraph: "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."

FORM NO. 4 BENEFICIAL OWNERSHIP DISCLOSURE FORM

(Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)

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 13 (2A) and 13 (6) of the Companies (Beneficial Ownership Information) Regulations, 2020. 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.

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 (1	% of voting rights a person holds in the company	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes / No)
1.	Full Name	Directly % of		 Having the 1 right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer: YesNo Is this right 	ses significant influence or control over the Company body of the Company
	National identity card number or Passport number	shares			
	Personal Identification Number (where applicable)	Indirectly % of			
	Nationality	shares		held directly or	
	Date of birth [dd/mm/yyyy]			indirectly?:	YesNo-
	Postal address			Direct	2. Is this
	Residential address				influence or control

	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	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes / No)
	Telephone number			Indirect	exercised directly or indirectly?
	Email address Occupation or profession	_			Direct
					Indirect
2.	Full NameNational identitycard number orPassport number	Directly % of shares	Directly % of voting rights	1. Having the right to appoint a majority of the board of the directors or an	1. Exerci ses significant influence or control
	Personal Identification Number (where applicable)	Indirectly % of	Indirectly % of voting rights	equivalent governing body of the Tenderer: YesNo	over the Company body of the Company
	Nationality(ies)	shares		2. Is this right held directly or	(tenderer) Yes
	Date of birth [<i>dd/mm/yyyy</i>]			indirectly?:	No
	Postal address			Direct	2. Is this influence
	Residential address				or control exercised directly or
	Telephone number			Indirect	indirectly?
	Email address				Direct
	Occupation or profession				 Indirect
					•••••
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3.		_			
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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 13(5) of the Companies (Beneficial Ownership Information) Regulations, 2020. (Notwithstanding this paragraph Personally Identifiable Information in line with the Data Protection Act shall not be published or made public). Note that Personally Identifiable Information (PII) is defined as any information that can be used to distinguish one person from another and can be used to deanonymize previously anonymous data. This information includes National identity card number or Passport number, Personal Identification Number, Date of birth, Residential address, email address and Telephone number.

III) In determining who meets the threshold of who a beneficial owner is, the Tenderer must consider a natural person who in relation to the company:

- (a) holds at least ten percent of the issued shares in the company either directly or indirectly;
- (b) exercises at least ten percent of the voting rights in the company either directly or indirectly;
- (c) holds a right, directly or indirectly, to appoint or remove a director of the company; or
- (d) exercises significant influence or control, directly or indirectly, over the company.

IV) 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]

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

Bidder Official Stamp