



KENYA ELECTRICITY GENERATING COMPANY LIMITED

KGN-SONDU-08 -2017

**TENDER FOR SUPPLY AND DELIVERY OF
CONTACT RESISTANCE TESTER FOR
SONDU-MIRIU POWER STATION.
(OPEN NATIONAL)**

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

April, 2017

Tender for Supply of High Voltage Circuit Breaker Tester/Analyzer for Sondu-Miriu Power Station

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SECTION I INVITATION TO TENDER

The Company invites sealed tenders from eligible candidates for the **Supply of High Voltage Circuit Breaker Tester/Analyzer for Sondu-Miriu Power Station** whose specifications are detailed in the Tender Document. Interested eligible candidates may obtain further information from and inspect the Tender Documents during official working hours starting at the date of advert at the office of:

Supply Chain Director
Tel: (254) (020) 3666000
Email: tenders@kengen.co.ke; cwainaina@kengen.co.ke; dgichobi@kengen.co.ke;
oochieng@kengen.co.ke

Where the tender document may be collected upon payment of a non-refundable fee of **KShs.1, 000.00** paid in cash or through a banker's cheque at any KenGen finance office. The document can also be viewed and downloaded from the website www.kengen.co.ke and www.suppliers.treasury.go.ke. Bidders who download the tender document from the website **are advised to forward their particulars to facilitate any subsequent tender clarifications and addenda**. Downloaded copies are free of charge.

Bidders are advised from time to time to be checking the website for any uploaded further information on this tender. Bidders are advised to be keen on the information provided under the Appendix to Instructions to Tenderers (A.I.T.T.) and the Special conditions of the Contract (S.C.C.).

Unless otherwise stated, tenders **MUST** be accompanied by a security in the format and amount specified in the tender documents and must be submitted in a plain sealed envelope and marked "**Supply of High Voltage Circuit Breaker Tester/Analyzer for Sondu-Miriu Power Station**" and addressed to:

**Company Secretary & Legal Affairs Director
Kenya Electricity Generating Company Limited
7th Floor, Stima Plaza Phase III
Kolobot Road, Parklands
P O Box 47936 - 00100
NAIROBI, KENYA**

On or before: **25th May 2017 at 2.00 p.m.**

Tenders will be opened on **25th May 2017 at 2.30 p.m.** in the presence of the candidates' representatives who choose to attend at Stima Plaza III, Executive Committee Room, 7th Floor. The company reserves the right to vary the quantities.

SUPPLY CHAIN DIRECTOR

SECTION II

INSTRUCTIONS TO TENDERERS

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2.1 **Eligible Tenderers**

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

2.2 **Eligible Goods**

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

2.3 **Cost of Tendering**

- 2.3.1 The Tenderer shall bear all costs associated with the preparation and submission of its tender, and the procuring entity, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

2.3.2 The price to be charged for the tender document collected from the Procuring Entity shall not exceed Kshs.1,000/=. Downloaded copies are free of charge.

2.3.3 All firms found capable of performing the contract satisfactorily in accordance with the set prequalification criteria shall be prequalified.

2.4. The Tender Document

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

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

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

2.5 Clarification of Documents

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

received the tender document.

- 2.5.2 The procuring entity shall reply to any clarifications sought by the tenderer **within 3 days** of receiving the request to enable the tenderer to make timely submission of its tender.

2.6 **Amendment of Documents**

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

- 2.6.2 All prospective candidates that have received the tender documents will be notified of the amendment in email and will be binding on them.

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

2.7 **Language of Tender**

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

2.8 **Documents Comprising of Tender**

- 2.8.1 The tender prepared by the tenderers shall comprise the following components:
- (a) a Tender Form and a Price Schedule completed in accordance with paragraph 2.9, 2.10 and 2.11 below
 - (b) documentary evidence established in accordance with paragraph 2.1 that the tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
 - (c) documentary evidence established in accordance with paragraph 2.2 that the goods and ancillary services to be

- supplied by the tenderer are eligible goods and services and conform to the tender documents; and
- (d) tender security furnished in accordance with paragraph 2.14

2.9 Tender Forms

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

2.10 Tender Prices

2.10.1 The tenderer shall indicate on the appropriate Price Schedule the unit prices and total tender price of the goods it proposes to supply under the contract

2.10.2 Prices indicated on the Price Schedule shall include all costs including taxes, insurances and delivery to the premises of the entity.

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

2.10.4 The validity period of the tender shall be **90 days after** the date of opening of the tender.

2.11 Tender Currencies

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

2.12 Tenderers Eligibility and Qualifications

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

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

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

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

2.13 Goods Eligibility and Conformity to Tender Documents

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

2.13.2 The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

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

- (a) a detailed description of the essential technical and performance characteristic of the goods;
- (b) a list giving full particulars, including available source and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of two (2) years, following commencement of the use of the goods by the Procuring entity (*if applicable*); and
- (c) a clause-by-clause commentary on the Procuring entity's Technical Specifications demonstrating substantial responsiveness of the goods

and service to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

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

2.14 Tender Security

2.14.1 The tenderer shall furnish, as part of its tender, a tender security for the amount specified in the Appendix to Invitation to Tenderers.

2.14.2 The tender security shall be in the amount of Kenya Shillings Sixty (**as indicated in the Appendix to Instructions to Tenderers**)

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

2.14.4 The tender security shall be denominated in Kenya Shillings or in another freely convertible currency, and shall be in the form of an on-demand bank guarantee issued by a reputable bank located in Kenya or where the bank is located abroad, it must have a local correspondent bank.

The Tender Security may also be in the form of an on-demand guarantee issued by a reputable insurance company approved by the Authority and in the form provided in the tender documents or another form acceptable to the Procuring entity.

The tender security must be valid for at least thirty (30) days beyond the validity of the tender.

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

- 2.14.6 Unsuccessful Tenderer's tender security will be discharged or returned as promptly as possible, but not later than thirty (30) days after the expiration of the period of tender validity prescribed by the Procuring entity.
- 2.14.7 The successful Tenderer's tender security will be discharged upon the tenderer signing the contract, pursuant to paragraph 2.27 and furnishing the performance security, pursuant to paragraph 2.28
- 2.14.8 The tender security may be forfeited:
- (a) if a tenderer withdraws its tender during the period of tender validity specified by the procuring entity on the Tender Form; or
 - (b) in the case of a successful tenderer, if the tenderer fails:
 - (i) to sign the contract in accordance with paragraph 2.27
or
 - (ii) to furnish performance security in accordance with paragraph 2.28

2.15 Validity of Tenders

- 2.15.1 Tenders shall remain valid for **90 days after** the date of tender opening prescribed by the Procuring entity, pursuant to paragraph 2.18. A tender valid for a shorter period shall be rejected by the Procuring entity as non responsive.
- 2.15.2 In exceptional circumstances, the Procuring entity may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tender security provided under paragraph 2.14 shall also be suitably extended. A tenderer may refuse the request without forfeiting its tender security. A tenderer granting the request will not be required nor permitted to modify its tender.

2.16 Format and Signing of Tender

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

2.16.2 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly

authorized to bind the tenderer to the contract. **The latter authorization shall be indicated by written power-of-attorney accompanying the tender. All pages of the tender, except for un-amended printed literature, shall be initialed by the person or persons signing the tender.**

2.16.3 The tender shall have no interlineations, erasures, or overwriting except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender.

2.17 Sealing and Marking of Tenders

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

2.17.2 The inner and outer envelopes shall:

(a) be addressed to the Procuring entity at the address given in the Invitation to Tender:

(b) bear, tender number and name in the Invitation for Tenders and the words, “DO NOT OPEN BEFORE,” **the 25th May 2017 at 2.00 p.m.**

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

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

2.18 Deadline for Submission of Tenders

2.18.1 Tenders must be received by the Procuring entity at the address specified under paragraph 2.17.2 no later than **25th May 2017 at 2.00 p.m.**

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

2.19 Modification and Withdrawal of Tenders

- 2.19.1 The tenderer may modify or withdraw its tender after the tender's submission, provided that written notice of the modification, including substitution or withdrawal of the tenders, is received by the Procuring Entity prior to the deadline prescribed for submission of tenders.
- 2.19.2 The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.17. A withdrawal notice may also be sent by cable, telex but followed by a signed confirmation copy, postmarked not later than the deadline for submission of tenders.
- 2.19.3 No tender may be modified after the deadline for submission of tenders.
- 2.19.4 No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the tenderer on the Tender Form. Withdrawal of a tender during this interval may result in the Tenderer's forfeiture of its tender security, pursuant to paragraph 2.14.7
- 2.19.5 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 2.19.6 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.

2.20 Opening of Tenders

- 2.20.1 The Procuring entity will open all tenders in the presence of tenderers' representatives who choose to attend, at **25th May 2017 at 2.30 p.m.** and in the location specified in the Invitation to Tender.

The tenderers' representatives who are present shall sign a register evidencing their attendance.

- 2.20.2 The tenderers' names, tender modifications or withdrawals, tender prices, discounts and the presence or absence of requisite tender security and such

other details as the Procuring entity, at its discretion, may consider appropriate, will be announced at the opening.

2.20.3 The Procuring entity will prepare minutes of the tender opening.

2.21 Clarification of Tenders

2.21.1 To assist in the examination, evaluation and comparison of tenders the Procuring entity may, at its discretion, ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or substance of the tender shall be sought, offered, or permitted.

2.21.2 Any effort by the tenderer to influence the Procuring entity in the Procuring entity's tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderers' tender.

2.22 Preliminary Examination

2.22.1 The Procuring entity will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.

2.22.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantify, the unit price shall prevail, and the total price shall be corrected. If the candidate does not accept the correction of the errors, its tender will be rejected, and its tender security forfeited. If there is a discrepancy between words and figures the amount in words will prevail

2.22.3 The Procuring entity may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any tenderer.

2.22.4 Prior to the detailed evaluation, pursuant to paragraph 2.23 the Procuring entity will determine the substantial responsiveness of each tender to the tender documents. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender documents without material deviations. The Procuring entity's

determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.

2.22.5 If a tender is not substantially responsive, it will be rejected by the Procuring entity and may not subsequently be made responsive by the tenderer by correction of the non conformity.

2.23 Conversion to Single Currency

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

2.24 Evaluation and Comparison of Tenders

2.24.1 The Procuring entity will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to paragraph 2.22

2.24.2 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.

2.24.3 A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

2.25 Preference

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

2.26 Contacting the Procuring entity

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

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

2.27 Award of Contract

(a) Post-qualification

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

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

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

(b) Award Criteria

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

(c) Procuring entity's Right to Vary quantities

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

(d) Procuring entity's Right to accept or Reject any or All Tenders

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

2.28 Notification of Award

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

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

2.28.3 Upon the successful Tenderer's furnishing of the performance security pursuant to paragraph 2.28, the Procuring entity will promptly notify each unsuccessful Tenderer and will discharge its tender security, pursuant to paragraph 2.14

2.29 Signing of Contract

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

2.29.2 The parties to the contract shall have it signed within **fifteen (15) days** from the date of notification of contract award unless there is an administrative review request.

2.29.3 Within **fifteen (15) days** of receipt of the Contract Form, the successful tenderer shall sign and date the contract and return it to the Procuring entity.

2.30 Performance Security

2.30.1 Within **fifteen (15) days** of the receipt of notification of award from the Procuring entity, the successful tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents, or in another form acceptable to the Procuring entity.

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

2.31 Corrupt or Fraudulent Practices

2.31.1 The Procuring entity requires that tenderers observe the highest standard of ethics during the procurement process and execution of contracts when used in the present regulations, the following terms are defined as follows;

- (i) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring entity, and includes collusive practice among tenderer (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Procuring entity of the benefits of free and open competition;

2.31.2 The procuring entity will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

2.31.3 Further a tenderer who is found to have indulged in corrupt or fraudulent practices risks being debarred from participating in public procurement in Kenya.

Appendix to Instructions to Tenderers

The following information regarding the particulars of the tender shall complement supplement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provision of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the instructions to tenderers

INSTRUCTIONS TO TENDERERS REFERENCE	PPADA 2015	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
2.1	Eligible tenderers	<p><i>National Open Tender to all those who fulfill the requirements below:</i></p> <ul style="list-style-type: none"> • <i>Who have Legal Capacity</i> • <i>Who are not Insolvent</i> • <i>Those who Fulfilled tax Obligation</i> • <i>Has not been convicted of corrupt or fraudulent</i>
2.5.1	Clarification	<p><i>The Procuring entity will respond in writing to any request for clarification of the tender documents, which it receives not later than Five (5) days prior to the deadline for the submission of tenders, prescribed by the procuring entity</i></p>
2.10.4	Tender Validity Period	<p><i>Tenders shall remain valid for 90 days after the date of tender opening prescribed by the Procuring entity</i></p>
2.14.2 2.14.3	Tender Security value	<ul style="list-style-type: none"> • <i>Tender security Shall be KES 60,000.00 in the form of a bank guarantee or from a PPRA accredited insurance firm. It shall be valid for 30 days beyond the tender validity period.</i> • <i>The tender security is required to protect the Procuring conduct which would warrant the security's forfeiture, pursuant to paragraph 2.14.7</i>
2.18.3	Tender Closing date	<p>25th May 2017 at 2.00 p.m.</p>
2.24.1	Evaluation Criteria	<p><i>A) The following shall be the evaluation Criteria</i></p>

		<ul style="list-style-type: none"> • Preliminary Evaluation <p><i>Preliminary evaluation of bids shall take into account compliance to the following requirements:</i></p> <ul style="list-style-type: none"> ➤ <i>Duly completed tender form</i> ➤ <i>Duly completed price schedule</i> ➤ <i>Valid Tax Compliance Certificate</i> ➤ <i>Duly Completed Tender Security form</i> ➤ <i>Duly signed and stamped tender form</i> ➤ <i>Duly Completed Confidential Business Questionnaire (CBQ) as provided.</i> ➤ <i>Copy Certificate of Incorporation / Registration</i> ➤ <i>Duly signed and stamped Manufacturer’s authorization form</i> ➤ <i>Provide manuals /catalogue/ product brochures for technical items offered.</i> ➤ <i>Delivery period – 3 Months after signing of contract</i> ➤ <i>Table of duly completed Technical schedule</i> ➤ <i>Signed warranty statement of 12 months addressed to KenGen</i> ➤ <i>Authenticated Test performance Certificates from ISO recognized firms</i> ➤ <i>Pagination/serialization of all pages of the bid document</i> <ul style="list-style-type: none"> • Technical Evaluation Requirements <p><i>The Technical Evaluation will be based on compliance with the technical specifications set out in Section V of this tender document and will follow a “PASS/FAIL” evaluation criteria.</i></p> <ul style="list-style-type: none"> • Financial Evaluation <ul style="list-style-type: none"> ➤ <i>This will take into account the bidder’s tender price after subjecting the bid to preliminary and technical evaluation.</i> ➤ <i>An examination of the bidder’s quoted price competitiveness and a determination that the quoted price is fair and reasonable, and a comparison with the known current market rates</i> ➤ <i>The financial evaluation will also take into account, in addition to the tender price and the price of incidental services, the following factors:</i>
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		<p>(a) <i>deviations in payment schedule from that specified in the Special Conditions of Contract;</i></p> <p>(c) <i>The cost of components, maintenance, and service;</i></p> <p><i>At the conclusion of the financial evaluation, KenGen will seek to establish the substantially responsive tender that will be determined to be the lowest evaluated, provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.</i></p>
3.8	Pre-delivery Inspection	<p><i>KenGen may, at its own discretion, conduct due diligence on the eligible bidders to establish their ability to perform the contract.</i></p> <p><i>KenGen will carry out a pre-delivery inspection at the supplier's premises to ascertain conformance to technical requirements and specifications prior to delivery.</i></p> <p><i>Importing suppliers will be required to provide Type-Test Certificates from the country of origin for KenGen's approval prior to delivery</i></p>
2.31.1	Corrupt or Fraudulent Practices	<p><i>KenGen adheres to high standards of integrity in its business operations.</i></p> <p><i>Report any unethical behavior immediately to any of the provided anonymous hotline service.</i></p> <p>1) <i>Call Toll Free: 0800722626</i></p> <p>2) <i>Free-Fax: 00800 007788</i></p> <p>3) <i>Email: kengen@tip-offs.com</i></p> <p>4) <i>Website: www.tip-offs.com</i></p>

SECTION III:
GENERAL CONDITIONS OF CONTRACT
Table of Clauses

- 3.1 Definitions
- 3.2 Application
- 3.3 Country of Origin
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3.1 Definitions

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

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

3.2 Application

3.2.1 These General Conditions shall apply in all Contracts made by the Procuring entity for the procurement installation and commissioning of equipment

3.3 Country of Origin

3.3.1 For purposes of this clause, “Origin” means the place where the Goods were mined, grown or produced.

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

3.4 Standards

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

3.5 Use of Contract Documents and Information

3.5.1 The tenderer shall not, without the Procuring entity's prior written consent, disclose the Contract, or any provision therefore, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring entity in connection therewith, to any person other than a person employed by the tenderer in the performance of the Contract.

3.5.2 The tenderer shall not, without the Procuring entity's prior written consent, make use of any document or information enumerated in paragraph 3.5.1 above

3.5.3 Any document, other than the Contract itself, enumerated in paragraph 3.5.1 shall remain the property of the Procuring entity and shall be returned (all copies) to the Procuring entity on completion of the Tenderer's performance under the Contract if so required by the Procuring entity

3.6 Patent Rights

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

3.7 Performance Security

3.7.1 Within **fifteen (15) days** of receipt of the notification of Contract award, the successful tenderer shall furnish to the Procuring entity the performance security in the amount specified in Special Conditions of Contract.

3.7.2 The proceeds of the performance security shall be payable to the Procuring entity as compensation for any loss resulting from the Tenderer's failure to complete its obligations under the Contract.

3.7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring entity and shall be in the form of a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in Kenya or abroad, acceptable to the Procuring entity, in the form provided in the tender documents.

3.7.4 The performance security will be discharged by the Procuring entity and returned to the Candidate not later than thirty (30) days following the date of completion of the Tenderer's performance obligations under the Contract, including any

3.7.5 obligations, under the Contract

3.8 Inspection and Tests

3.8.1 The Procuring entity or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the Contract specifications. The Procuring entity shall notify the tenderer in writing in a timely manner, of the identity of any representatives retained for these purposes.

3.8.2 The inspections and tests may be conducted in the premises of the tenderer or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the tenderer or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring entity.

3.8.3 Should any inspected or tested goods fail to conform to the Specifications, the Procuring entity may reject the equipment, and the tenderer shall either replace the rejected equipment or make alterations necessary to make specification requirements free of costs to the Procuring entity.

3.8.4 The Procuring entity's right to inspect, test and where necessary, reject the goods after the Goods' arrival shall in no way be limited or waived by reason of the equipment having previously been inspected, tested and passed by the Procuring entity or its representative prior to the equipment delivery.

3.8.5 Nothing in paragraph 3.8 shall in any way release the tenderer from any warranty or other obligations under this Contract.

3.9 Packing

3.9.1 The tenderer shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.

3.9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract

3.10 Delivery and Documents

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

3.11 Insurance

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

3.12 Payment

3.12.1 The method and conditions of payment to be made to the tenderer under this Contract shall be specified in Special Conditions of Contract

3.12.2 Payments shall be made promptly by the Procuring entity as specified in the contract

3.13 Prices

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

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

3.13.3 Where contract price variation is allowed, the variation shall not exceed 25% of the original contract price.

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

3.14. Assignment

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

3.15 Subcontracts

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

3.16 Termination for default

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

- (a) if the tenderer fails to deliver any or all of the goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring entity
- (b) if the tenderer fails to perform any other obligation(s) under the Contract
- (c) if the tenderer, in the judgment of the Procuring entity has engaged in corrupt or fraudulent practices in competing for or in executing the Contract

3.16.2 In the event the Procuring entity terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, equipment similar to those undelivered, and the tenderer shall be liable to the Procuring entity for any excess costs for such similar goods.

3.17 Liquidated Damages

3.17.1. If the tenderer fails to deliver any or all of the goods within the period(s) specified in the contract, the procuring entity shall, without prejudice to its other remedies under the contract, deduct from the contract prices liquidated damages sum equivalent to 0.5% of the delivered price of the

delayed items up to a maximum deduction of 10% of the delayed goods. After this the tenderer may consider termination of the contract.

3.18 Resolution of Disputes

3.18.1 The procuring entity and the tenderer shall make every effort to resolve amicably by direct informal negotiation and disagreement or dispute arising between them under or in connection with the contract

3.18.2 If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require adjudication in an agreed national or international forum, and/or international arbitration.

3.19 Language and Law

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

3.20 Force Majeure

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

3.21 Taxes

3.21.1 "**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.

3.21.2 Local Taxation

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. The Contract Price shall include all applicable taxes and shall not be adjusted for any of these taxes.

3.21.3 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.

3.21.4 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 3.21.2 above.

Tax Deduction

3.21.5 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.

3.21.6 Where the Contractor is paid directly by the Financiers and the Employer is not able to deduct tax, then the Contractor will be required to pay the tax deduction to Kenya Revenue Authority in the name of the Employer and furnish the Employer with an original receipt thereof as evidence of such payment. In absence of the said evidence, the Employer will not process any subsequent payments to the Contractor.

Tax Indemnity

3.21.7 The Contractor shall indemnify and hold the Employer harmless from and against any and all 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.

3.21.8 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.

3.21.9 Where the amount in 3.21.8 above remains unpaid after the end of the fourteen (14) days moratorium, the Employer shall be entitled to compensation for financing charges.

SECTION IV

SPECIAL CONDITIONS OF CONTRACT

- 4.1. Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, between the GCC and the SCC, the provisions of the SCC herein shall prevail over these in the GCC.
42. Special conditions of contract as relates to the GCC

REFERENCE OF GCC		SPECIAL CONDITIONS OF CONTRACT
3.17.1	Performance Security	<p>Indicate Particulars of Performance Security: <i>Performance Security shall be 10% of Contract Amount.</i></p> <p><i>In case the Tender is not fully or well executed performance security shall unconditionally be fully seized.</i></p>
3.8.5	Warranty	<p><i>The supplier shall be required to expressly confirm that the goods supplied shall be under 12 months warranty.</i></p>
3.12	Terms of payment	<p><i>Advance payment shall not be applicable</i></p> <p><i>Payment shall be made within 30 days from the date of receipt of certified invoices, delivery notes; goods receipt notes and signing of satisfactory and acceptance report by the inspection committee.</i></p>
	Delivery terms	<p><i>Delivery terms for local suppliers are Delivered Duty Paid – Sondu Power Station (INCOTERMS 2010)</i></p>
	Pre-shipment inspection	<ul style="list-style-type: none"> ➤ <i>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;</i> ➤ <i>Consignments arriving at Kenyan Ports without this document will be denied entry into the Country.</i>

		<p>➤ <i>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.</i></p>
3.18.2	Dispute Resolution	<i>Arbitration where necessary shall be by the Chartered Institute of Arbitrators Kenya Chapter or other International body.</i>

SECTION V

TECHNICAL SPECIFICATIONS

Notes

1. Delivery must be for a complete schedule. Partial delivery shall not be accepted.
2. The Circuit Breaker Tester / Analyzer shall be as per tender specifications.

TECHNICAL SPECIFICATIONS

Should include Test Data Management System software which allows to store and recall test settings, and operates with WINDOWS XP and above.

When used as a Circuit Breaker Analyzer, it should allow the off-line testing of MV and HV circuit breakers. The test set should measure circuit breaker operation times as they are defined in the IEC standard 62271-100.

The Circuit Breaker Tester/Analyzer should be able to fully analyze a circuit breaker's performance by measuring the main contact and resistor contact time, stroke, velocity, over-travel, bounce back and contact wipes

The Circuit Breaker Tester/Analyzer should allow undertaking of the Static Contact Resistance Measurement (SCRM) of the circuit breaker contact and the Dynamic Contact Resistance Measurement (DCRM), that is, how the breaker contacts resistances change while the breaker is closing or opening.

PERFORMANCE	CIRCUIT BREAKER TESTER / ANALYZER CHARACTERISTICS	
Coil command circuits	2, 4 or 6 (optional) circuits	<ul style="list-style-type: none"> • The coil command circuits features are the following: • Number of circuits: 2; optionally 4 or 6 • Type of driver: electronic; it ensures superior timing control • Driver characteristic: 300 V DC max; 60 A DC max; 300 V AC max; 42 A AC max • Operating time accuracy: 0,025% of delay $\pm 20 \mu s$ • Coil current ranges: 3 A; 10 A; 60 A full scale, user selectable • The coil current is measured by a dedicated circuit, which is enclosed in the test set, so that a single connection is enough to connect the coil and to measure its current

		<ul style="list-style-type: none"> • Number of coil current measurement circuits: 2 (optionally 4 or 6) • In case of 4 or 6 outputs, it is possible to select • the single or multiple phase opening • Coil current measurement accuracy: 0,1% of the reading $\pm 0,1\%$ of the selected range • Connection: via 4 safety sockets (optionally 8 or 12) • Outputs are isolated between them and between ground
Timing (main) contact inputs	<p>16 inputs configurable (24 optional). All the channels may be defined as main or auxiliary depending upon the configuration setup. Optionally, PIR measurements on the channels are available</p>	<ul style="list-style-type: none"> • The timing contact inputs features are the following: • Number of contact inputs: 16 (optionally 24) divided in 8 (or 12) groups of 2 each • Each input group is isolated with respect to the others • Connection: via 24 or 36 safety sockets • The contact inputs may be configured as main breaker contact or auxiliary contact • The contacts status (closed or opened) are displayed on the screen <p>Main breaker contact</p> <ul style="list-style-type: none"> • The features are the following: • Test of the main contact and detection of the pre-insertion resistor contact, selectable • PIR resistance range: 200 Ω to 10 kΩ • PIR resistance measurement value (optional): accuracy $\pm 2\%$ of the reading, $\pm 0,1\%$ of the range • The contact is closed when the contact resistance is less than 10 Ω • Contact test voltage: 24 V; test current: 100 mA
Contact Inputs		<ul style="list-style-type: none"> • All contact inputs should be grounded until test. • Input channels should be protected against static discharge.

Timing (auxiliary) contact inputs	16 inputs configurable (24 optional). All the channels may be defined as main or auxiliary depending upon the configuration setup. Optionally, PIR measurements on the channels are available	<p>Auxiliary contact</p> <ul style="list-style-type: none"> • The features are the following: • Capability of testing dry contacts. Contact test voltage: 24 V; test current: 10 mA • Capability of testing wet contacts. If wet, the input contact has these characteristics: • Impedance: > 150 kΩ or >500 kΩ (if PIR resistance measurement value option code 62178 is mounted) • Voltage threshold: 15/77 V or programmable with steps of 5 V if PIR measurement option code 62178 is mounted • Contact selection (dry or wet with thresholds) can be different on the groups
Dry Contact Detection		<p>Dry-contact detection range</p> <ul style="list-style-type: none"> • Closed: Less than 20 Ohm. • Opened: greater than 5000 ohm
Auxiliary binary outputs	One relay contact : 8 A, 250 V	<ul style="list-style-type: none"> • The auxiliary binary output features are the following: • One relay auxiliary output • Characteristics of the contacts with a resistive load: • AC: 300 V; 8 A; 2.400 VA • DC: 300 V; 8 A; 50 W • The contact operation can be timed with respect to test start
Analogue inputs	<p>14 analogue inputs:</p> <p>At least 4 coil currents</p> <p>At least 8 configurable analogue inputs. Each input can be defined as generic high voltage input up to 300Vac (420 V DC peak) or analogue</p>	<p>The inputs timing features are the following:</p> <p>Sample rate: from 10 Hz to 100 kHz maximum, for recording up to 1s to 10 Hz, for recording up to 10.000s as shown in table below.</p> <p>Resolution: 0,01 ms to 100 ms</p> <p>Number of analog inputs: 8 in all, programmable as analog input, transducer etc.</p> <ul style="list-style-type: none"> • Common characteristics of analog inputs: <ul style="list-style-type: none"> ○ Measurement resolution: 16 bit ○ Number of ranges: 3 <ul style="list-style-type: none"> ○ 300 V AC (420 V DC peak) ○ 10 V DC

	<p>transducer input or micro-ohmmeter low voltage input</p>	<ul style="list-style-type: none"> ○ 1 V DC Measurement accuracy: <ul style="list-style-type: none"> ○ 1 V range: $\pm 0,2\%$ of the reading $\pm 0,2\%$ of the range ○ 10V range: $\pm 0,1\%$ of the reading $\pm 0,01\%$ of the range ○ 420 V range: $\pm 0,5\%$ of the reading $\pm 0,1\%$ of the range ● Input impedance: more than 600 kΩ ● Measurement sampling rate: 100 kHz max ● Number of independent neutrals: 4. 2 groups of 3 channels each (to be used for example as transducer inputs for motion analysis and for voltage coming from micro-ohmmeter) and 2 different neutrals for the remaining 2 channels (for monitoring motor current or DC coil supply) ● Connection: via 12 safety sockets or via 8 multi-pole shielded connectors, depending upon the channel configuration. On the same connectors is available a polarizing voltage to supply linear position transducers or incremental digital encoders ● Voltage value: +5 V; maximum output current 30 mA; minimum transducer resistance 170 Ω. The output has the same reference as the three low voltage analog inputs ● Insulation between different neutrals: 1 kV AC
<p>Digital incremental transducers inputs</p>	<p>3 inputs (RS422)</p>	<ul style="list-style-type: none"> ● The Circuit Breaker Test/Analyzer shall allow monitoring up to 3 digital transducers at the meantime. ● The digital transducers features are the following: <ul style="list-style-type: none"> ● Maximum input frequency: 50 kHz ● Interface: RS422 ● Accepted transducers: up to 5.000 impulses per turn ● Connection: by 3 multi-pole connectors used also for the analog inputs
<p>USB pen drive</p>	<p>Yes</p>	<p>Test results can be saved into an USB pen memory allowing transfer of test results to the</p>

		office without the need of transporting the test set
ETHERNET	Yes	Ethernet interface for data communication with the PC
User Selectable Time Trigger Options		<ul style="list-style-type: none"> • The following time measurement trigger options are user selectable: • Internal: the time measurement starts as the first Open or Close coil command is issued by the driving circuit. Timing accuracy: 20 μs • Coil current: the time measurement starts as soon as the first Open or Close coil current exceeds the selected percentage, from 1% to 30%, of the selected current range • Auxiliary input: the time measurement starts when the selected auxiliary input turns ON or changes its state. The trigger can be performed also on a logical combination of auxiliary inputs • Analogue input: the time measurement starts when the analogue input level crosses (greater than, lower than) the selected threshold
Breaker Initiate Capacity		Breaker initiate capacity 30A, 250 VAC/DC max
Breaker Operation: Programmable Sequences: Single Operations		<p>The user should be able to select the following single operations that can be all included in a unique test plan:</p> <ul style="list-style-type: none"> • Open: the selected open coil phase is driven (all the combinations: all phases, phase1, phase 2, phase 3, phase 1+2 , phase 2+3, phase 3+1) • Close: the Close coil is driven. In case of six coils, the selected close coil phase is driven (all the combinations as Open coil) • OC: In sequence, the Open and Close coils are driven (all the combinations) • CO: In sequence, the Close and Open coils are driven (all the combinations) • OCO: In sequence, the Open, the Close and then again the Open coils are driven. The

		<p>first Open command is issued on the selected Open coil phase, while the second Open command is issued on all coil phases</p> <ul style="list-style-type: none"> • Static resistance: the instrument performs a breaker resistance contact measurement using the available micro-ohmmeters on the selected phase (or on all the phases together) • Dynamic open or close resistance: the instrument measures dynamically the resistance profile during an open or close operation, and the result of the test will be a diagram and the breaker time delay based on the profile analysis
Breaker Operation: Sequence selection by means of a dedicated pushbutton		<p>These sequences should also be selected by means of a dedicated pushbutton; the selected sequence is confirmed by an LED. For all the above sequences, the user can program the following delays:</p> <ul style="list-style-type: none"> • Open command duration: range 5 ms to 10 s • Close command duration: range 5 ms to 10 s • Open to Close delay: delay range 5 ms to 199.990 s • Close to Open delay: delay range 5 ms to 199.990 s • Dynamic open or close: range from 30 ms to 1 s • Recording duration: range 10 ms to 199.990 s • After programming, it is possible to view on the display the sequence timing: this helps avoiding programming errors
Static Resistance Measurement (microohmmeter characteristics)		<p>The static resistance measurement features are the following:</p> <ul style="list-style-type: none"> • Available nominal test currents: 200 A, 150 A, 100 A, 50 A, 25 A • Resistance measurement ranges: 250 $\mu\Omega$, 1 mΩ, 10 mΩ, 50 mΩ

		<ul style="list-style-type: none"> • Contact resistance accuracy: 0,2% of the reading ± 0 • ,2% of the range (for ranges 250 $\mu\Omega$ and 1 mΩ) • Contact resistance accuracy: 0,3% of the reading $\pm 0,3\%$ of the range (for ranges 10 mΩ and 50 mΩ). Type of current source: electronic current generator, driven by a discharging capacitor • Current generation duration: minimum 1 s, accordingly to the test current and the load • Maximum test voltage: 5 V
Dynamic resistance measurement		With this measurement it is possible to record the main contact resistance during the CB close or open
Test Set Control		<ul style="list-style-type: none"> • The control is local, via keypad, selectors and display. • Two dedicated pushbuttons for test start and sequence selection • As the test is started, a buzzer warns the operator • Displays: menu selections prior to test start; then , current waveforms, contact inputs (main/resistance), auxiliary inputs, analog input (those enabled). For dynamic resistance, it is possible to display the resistance profile, along with voltage and current profiles. • Memory size at least 256 Mbytes • Capability of saving and re-calling at least 200 test settings and records and 100 test plans internally
PC Windows based Software		<p>The dedicated software has the following main features:</p> <ul style="list-style-type: none"> • Download of test sequences • Download of test results • Test sequences and test results can be viewed, edited in the missing descriptions, saved, printed, exported • Test data can be organized in a data base including all sub-station devices.

		<ul style="list-style-type: none"> • Possibility of viewing, overlaying and gluing more results, for an easy test result comparison • Possibility to pre-set test sequences and to download them into the test set. • Two cursors to select measurement points and intervals • Zoom in and out feature • Pass/Fail timing test result analysis • Pass/Fail current profile test result analysis • Enhanced measurement features for movement / speed / acceleration control. <p>The software shall be upgraded for free until a new version is released.</p>
Menu Selections		<p>The menu is operated by means of the menu control knob, which incorporates a switch. The menu is entered pressing the knob and selecting the item moving the knob.</p> <p>After test start, measurements are displayed in the corresponding window. Pressing the knob it is possible to return to menu selections and modify them, and then it is possible to return to the measurements window.</p> <p>Any setting can be saved to and recalled from the memory, with a line of text description. At power-on, the default one is displayed: it can also be recalled as necessary.</p> <p>Settings are permanently stored in the memory; new settings can be written to the same address after confirmation. For normal mode operation it is possible to recall the standard setting, which cannot be modified.</p> <p>During the test, test results can be stored in the memory, according to selections.</p>

Others		<p>Other characteristics are the following: Mains supply: From 85 to 265 V AC; 47-63 Hz From 120 to 350 V DC Maximum supply current: 3,6 A @100 V AC or 1,8 A @ 200 V AC Maximum power consumption: 360 VA Housing: aluminium case, with hinged removable cover and handles The instrument comes complete with the following items:</p> <ul style="list-style-type: none"> • Mains cable • User's manual • Ethernet cable • USB cable • One cable, yellow/green, for the connection to ground. Cable length: 4 m; cross section 1 mm², terminated with a crocodile • Spare fuses • Operating Software
Digital Travel Transducer		Should operate without need for Setup or Calibration

When used with position transducers, the software should allow the displaying of positions, strokes, speed (datum point). These measurements will be defined by the position of the cursors. In this instance, it should be possible to input the transducer stroke, and to set the unit of measurement as millimeters, degrees or inches. When the transducer movement is 50% of the total transducer length, the position error shall be 1% of the reading. The error is inversely proportional to the percentage of the transducer movement. When datum points are 25% of the total transducer length, and the corresponding time is 10ms, the speed accuracy shall be 3%. The error is inversely proportional to the percentage of the transducer movement and to the movement time.

The following table lists the inputs timing accuracy:

Range [s]	Frequency [Hz]	Resolution [ms]	Accuracy [ms]
1	100.000	0,01	±0,02 ±0,01% of the reading
2	50.000	0,02	±0,02 ±0,01% of the reading
4	20.000	0,05	±0,05 ±0,01% of the reading
10	10.000	0,1	±0,1 ±0,01% of the reading
20	5.000	0,2	±0,2 ±0,01% of the reading
40	2.000	0,5	0,5 ±0,01% of the reading
100	1.000	1	1 ±0,01% of the reading
200	500	2	2 ±0,01% of the reading
400	200	5	5 ±0,01% of the reading
1.000	100	10	10 ±0,01% of the reading
2.000	50	20	20 ±0,01% of the reading
5.000	20	50	50 ±0,01% of the reading
10.000	10	100	100 ±0,01% of the reading

The following table lists the optional modules enhance the equipment features:

- Test cable kit with transport case
- Cable kit
- Interface for Publishing and subscribing GOOSE (Generic Object Oriented Substation Event) messages
- thermal printers: Internal(housed in the test set cover) /External
- Heavy duty transport case
- Position transducer: Linear and Rotary
- Position transducer : digital transducers
- Pressure transmitter : 40BAR
- Universal mounting kit
- AC Current clamp that allows to perform the first trip test
- Hall effect clip-on transformer that allows measuring of the DC current of motors and of the auxiliary supply
- Flexible shaft coupler for coupling the position transducer and the CB

The test set conforms to the EEC directives regarding Electromagnetic Compatibility and Low Voltage instruments.

Standards related to the EMC Directive, 2014/30/EU are listed below;

- IEC EN 61000-3-2
- IEC 61000-3-3
- CISPR 16
- (EN 55011 class A)
- IEC EN 61000-4-2
- EC EN 61000-4-3
- IEC EN 61000-4-4
- EC EN 61000-4-5
- IEC EN 61000-4-6
- IEC EN 61000-4-8
- IEC EN 61000-4-11

Standards related to the LV Directive, 2014/35/EU are listed below;

- IEC EN 61010-1
- IEC 60068-2-6
- IEC 60068-2-27

and UL 6101A-1 and CAN/CSA C22.2 No 1010.1-92 safety standards

5.1 PARTICULARS

[Text of Technical Specifications to be inserted in the tender documents by the Procuring entity, as applicable]

1. Delivery must be for a complete schedule. Partial delivery shall not be accepted.
2. The Circuit Breaker Tester / Analyzer shall be as per tender specifications.

TECHNICAL SPECIFICATIONS

Should include Test Data Management System software which allows to store and recall test settings, and operates with WINDOWS XP and above.

When used as a Circuit Breaker Analyzer, it should allow the off-line testing of MV and HV circuit breakers. The test set should measure circuit breaker operation times as they are defined in the IEC standard 62271-100.

The Circuit Breaker Tester/Analyzer should be able to fully analyze a circuit breaker's performance by measuring the main contact and resistor contact time, stroke, velocity, over-travel, bounce back and contact wipes

The Circuit Breaker Tester/Analyzer should allow undertaking of the Static Contact Resistance Measurement (SCRM) of the circuit breaker contact and the Dynamic Contact Resistance Measurement (DCRM), that is, how the breaker contacts resistances change while the breaker is closing or opening.

SECTION VI
SCHEDULE OF REQUIREMENTS

REF: SECTION V – TECHNICAL SPECIFICATIONS

SECTION VII

PRICE SCHEDULE FOR GOODS

Name of tenderer _____ Tender Number _____ Page 57 of 63

Note: Attach manufacturers test certificate of analysis confirming the specifications.

For Local Suppliers

1	2	3	4	5	6	7
Item No.	Description	Country of origin	Quantity	Unit price	Total Price EXW per item (cols. 4x5)	Unit price of other incidental services payable
	High Voltage Circuit Breaker Tester/Analyzer					
	Heavy duty transport case					
	Other Items					
	Total cost					
	Discount (%) if any					
	VAT					
	Other charges (if any)					
	Total cost to Sondu-Miriu stores					
	Country of origin					
	Delivery Period					

Tenderer's Name _____

Tenderer's Signature _____

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

Company Rubber Stamp _____
For Overseas Suppliers

1	2	3	4	5	6	7
Item No.	Description	Country of origin	Quantity	Unit price	Total Price EXW per item (cols. 4x5)	Unit price of other incidental services payable
	High Voltage Circuit Breaker Tester/Analyzer					
	Total Cost					
	Discount (%) if any					
	Air/Sea Freight charges					
	Other charges (if any)					
	Total Cost and Freight (CFR) Nairobi/Mombasa Port					
	Country of origin					
	Delivery period					

	Name and address of local agent for the equipment offered					
--	--	--	--	--	--	--

Tenderer's Name _____

Tenderer's Signature _____

Company Rubber Stamp _____

**SECTION VIII
STANDARD FORMS**

8.1 FORM OF TENDER

Date _____ Tender No. _____

To: _____
[name and address of procuring entity]

Gentlemen and/or Ladies:

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

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

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

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

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

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

Dated this _____ day of _____ 20 _____

[signature]

[in the capacity of]

Duly authorized to sign tender for an on behalf of _____

Note: In accordance with **Clause 82** of the **Public Procurement and Asset Disposal Act 2015** **“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.**

8.2 ***MANDATORY CONFIDENTIAL BUSINESS QUESTIONNAIRE**

(Must be filled by all applicants or Tenderers' who choose to participate in this tender)

Name of Applicant(s).....

You are requested to give the particulars in Part 1 and either Part 2 (a), 2 (b) or 2 (c), whichever applies to your type of business. Part 2 (d) to part 2 (i / j) must be filled. You are advised that giving wrong or false information on this Form will lead to automatic disqualification/termination of your business proposal at your cost.

Part 1 – General

Business Name:.....Certificate of Incorporation /
Registration No. Location of business premises:
Country Physical address
Town Building.....
Floor.....Plot No.
Street / Road Postal Address
Postal / Country Code..... Telephone No's.....
Fax No's. E-mail address
Website
Contact Person (Full Names) Direct / Mobile No's.....
Title Power of Attorney (Yes / No)
If **yes**, attach written document.
Nature of Business (Indicate whether manufacturer, distributor, etc)

(Applicable to Local suppliers only)

Local Authority Trading License No. Expiry Date
Value Added Tax No.....
Value of the largest single assignment you have undertaken to date (USD/KShs)
.....
Was this successfully undertaken? **Yes / No**(If **Yes**, attach reference)
Name (s) of your banker (s)
.....
Branches Tel. No's.

Part 2 (a) – Sole Proprietor (if applicable)

Full names
Nationality..... Country of Origin.....
.....
Company Profile (Attach brochures or annual reports in case of public company)

Part 2 (b) – Partnerships (if applicable)

Give details of partners as follows:

Full Names Nationality Citizenship Details Shares

1.
2.
Company Profile (Attach brochures)

Part 2 (c) – Registered Company (if applicable - as per the CR12 form)

Private or public
Company Profile (Attach brochures or annual reports in case of public companies)

State the nominal and issued capital of the Company

Nominal KShs

Issued KShs

List of top ten (10) shareholders and distribution of shareholding in the company. Give details of all directors as follows:-

Full Names Nationality Citizenship Details Shares

- 1.
- 2.

Part 2 (d) – Debarment

I/We declare that I/We have not been debarred from any procurement process and shall not engage in any fraudulent, corrupt, coercive and obstructive acts with regard to this or any other tender by the KENGEN and any other public or private institutions.

Full Names
 Signature
 Dated this day of 2015.
 In the capacity of
 Duly authorized to sign Tender for and on behalf of

Part 2 (e) – Bankruptcy / Insolvency / receivership.

I/We declare that I/We have not been declared bankrupt or insolvent by the competent Authorities in Kenya and neither are we under receivership:

Full Names
 Signature
 Dated this day of 2015.
 In the capacity of
 Duly authorized to sign Tender for and on behalf of

Part 2 (f) – Criminal Offence

I/We, (Name (s) of Director (s)):-

- a)
- b)

Have not been convicted of any criminal offence relating to professional conduct or the making of false statements or misrepresentations as to its qualifications to enter into a procurement contract within a period of three (3) years preceding the commencement of procurement proceedings.

Signed
 For and on behalf of M/s
 In the capacity of
 Dated this day of 2015.
 Suppliers' / Company's Official Rubber Stamp

Part 2 (g) – Conflict of Interest

I/We, the undersigned state that I / We have no conflict of interest in relation to this procurement:

- a)
- b)

For and on behalf of M/s
 In the capacity of
 Dated this day of 2015

Suppliers' / Company's Official Rubber Stamp

.....

Part 2 (h) – Interest in the Firm:

Is there any person/persons in KENGEN or any other public institution who has interest in the Firm? Yes/No
..... (Delete as necessary) Institution

.....

(Title) (Signature) (Date)

Part 2(i) – Declaration

I / We, the undersigned state and declare that the above information is correct and that I / We give KENGEN authority to seek any other references concerning my / our company from whatever sources deemed relevant, e.g. Office of the Registrar of Companies, Bankers, etc.

Full names

Signature.....

For and on behalf of M/s

In the capacity of

.....

Dated thisday of2015.

Suppliers' / Company's Official Rubber Stamp

.....

8.3 TENDER SECURITY FORM

(To be on the Banks Letterhead)

WHEREAS [name of the tenderer]
(hereinafter called “the tenderer”) has submitted its tender dated
..... [date of submission of tender] for
.....[name and/or description of the equipment] (hereinafter
called “the Tender”)

KNOW ALL PEOPLE by these presents that **WE** of
..... having our registered office at
(hereinafter called “the Bank”), are bound unto the **Kenya Electricity
Generating Company Limited** (hereinafter called “the Procuring entity”) in
the sum of for which payment well and truly to be made
to you, the Bank binds itself, its successors, and assigns by these presents.

Sealed with the Common Seal of the said Bank this ____ day of _____ 20

THE CONDITIONS of this obligation are:-

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

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

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

[Signature of the bank] _____

(Amend accordingly if provided by Insurance Company)

8.4 CONTRACT FORM

THIS AGREEMENT made the _____ day of _____ 20 ____ between
..... [name of **the Employer**] of [country of **the Employer**] (hereinafter
called "**the Employer**") of the one part and [name of **the Supplier**] of
..... [city and country of **the Supplier**] (hereinafter called "**the Supplier**") of the other
part;

WHEREAS the Employer invited tenders for] and has accepted a tender by the
tenderer for the supply of in the sum of [contract
price in words and figures] (hereinafter called "the Contract Price).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

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

Signed by _____ the _____ (for the Procuring entity

Signed by _____ the _____ (for the tenderer in the presence of _____

(Amend accordingly if provided by Insurance Company)

8.5 **PERFORMANCE SECURITY FORM**

(To be on the Banks Letterhead)

To
[*name of Procuring entity*]

WHEREAS [*name of tenderer*] (hereinafter called “the tenderer”) has undertaken , in pursuance of Contract No. _____
_____ [*reference number of the contract*] for dated _____ 20 ____
_____ to supply [*description of goods*] (hereinafter called “the Contract”).

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

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

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

This guarantee is valid until the _____ day of _____ 20 ____

Signed and seal of the Guarantors

[*name of bank or financial institution*]

[*address*]

[*date*]

8.6 MANUFACTURER'S AUTHORIZATION FORM

To *[name of the Procuring entity]*

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

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

[signature for and on behalf of manufacturer]

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