



KENYA ELECTRICITY GENERATING COMPANY LIMITED

KGn-SONDU-05-2017

**TENDER FOR SUPPLY, INSTALLATION AND
COMMISSIONING OF 100kVA DIESEL GENERATOR FOR
SONDU MIRIU POWER**

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

March, 2017

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SECTION I INVITATION TO TENDER

The Company invites sealed tenders from eligible candidates for the Tender for **Supply, Installation and Commissioning of 100kVA Diesel Generator 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;
cc: cwainaina@kengen.co.ke
sdochieng@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 bankers 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 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.). They are also advised from time to time to be checking the website for any uploaded further information on this tender.**

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, Installation and Commissioning of 100kVA Diesel Generator 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: **13th April 2017 2.00 p.m.**

Tenders will be opened on **13th April 2017 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

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 **13th April 2017 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 **13th April 2017 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 **13th April 2017 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 quantity, 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	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
2.1.5	<i>Open tender(National)</i>
2.14.9	<i>Tender Security shall be KES. 100,000.00 in form of a bank guarantee or a PPRA approved insurance company</i>
2.15.1	<i>Tender validity period shall be 90days from the date of tender opening</i>
Eligibility	<i>This a National open Tender</i>
2.18.3	13th April 2017 2.00 p.m.
2.24.4	<p><i>The following shall be the evaluation Criteria</i></p> <p>A) Preliminary Evaluation</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>Valid Tender Security in the form and amount prescribed</i> ➤ <i>Duly signed and stamped Manufacturer's authorization</i> ➤ <i>Previous experience (Attach evidence of similar items supplied in the last 4 years from the date of advertisement of this tender)</i> ➤ <i>Provide manuals /catalogue for technical items offered.</i> ➤ <i>Certificate of incorporation/Registration</i> ➤ <i>Table of duly completed Technical schedule</i> ➤ <i>Signed warranty statement addressed to KenGen</i> ➤ <i>Duly completed confidential business Questionnaire as provided.</i> <p>C) Technical Evaluation Requirements</p> <ul style="list-style-type: none"> ➤ <i>Compliance to technical specifications & requirements as stipulated in section V &VI of this tender document.Tenders will be subjected to the technical evaluation criteria set out in section V&VI.A score of PASS/FAIL criteria will be used against the parameters set out in section VI.Only bids that pass in all the aspects will be considered for Financial evaluation.</i>

	<p><i>D)Financial Evaluation</i></p> <ul style="list-style-type: none"> ➤ <i>Check for completeness of all the items in the price schedule</i> ➤ <i>Determination of the bidders price competitiveness in comparison with the current market rate.</i> ➤ <i>The lowest evaluated bidder as per the price schedule will be considered for the award.</i>
2.27.7	<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>
2.31.1	<p><i>KenGen adheres to high standards of integrity in its business operations. Report any unethical behavior immediately to the provided anonymous hotline service.</i></p> <p><i>Call Toll Free: 0800722626</i></p> <p><i>Free Fax: 00800 007788</i></p> <p><i>Email: kengen@tip-offs.com</i></p> <p><i>Website : www.tip-offs.com</i></p>

SECTION III:
GENERAL CONDITIONS OF CONTRACT

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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 warranty 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
	Delivery period shall be 12 weeks after signing of the contract.
3.7.	<i>Performance Security shall be 10% of the tender price in the form of a bank guarantee from a reputable financial institution</i>
3.10.1	<i>The delivery terms shall be strictly DDP – Sondu Power Station, Kisumu, Kenya. Overseas suppliers may quote CPT/ CFR (Kenyan Port) INCOTERMS 2010. The delivery period shall be 12 weeks after signing of the contract.</i>
3.11.	<i>Proof of Insurance shall be provided to KenGen on demand</i>
3.12.	<i>Local Suppliers will be paid within 30 days after delivery, after successful inspection and issuance of duly signed delivery notes and generation of goods received notes.</i> <i>Credit period shall be 30 days</i> <i>Payment through letter of credit may be applicable to overseas suppliers.</i>
3.18.3	<i>Arbitration where necessary shall be by the Chartered Institute of Arbitrators Kenya Chapter or other International body.</i>

SECTION V

TECHNICAL SPECIFICATIONS

Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

GENERAL DESCRIPTION

General Information.

Sondu Miriu Power station is located 60km to the Southern side of Kisumu city in the western side of Kenya.

(a) **KENGEN**

KenGen is a limited liability company with physical location stated below:

- **Kenya Electricity Generating Company Limited of Stima Plaza, Kolobot Road, Parklands, P.O. Box 47936 - 00100 GPO, Nairobi. Kenya.**

- (a) KenGen requires to install an emergency 100kVA diesel engine generator set to supply essential loads at their Sondu Miriu power station staff base camp.
- (b) All the tenderers are required to include in their bids copies of evidence showing at least three successfully completed jobs of similar nature, (100kVA and above) having been installed and commissioned in the last 3 years. This proof will form part of preliminary evaluation
- (c) The tenderer shall provide own accommodation and other expenses during installation and commissioning

1.0 Scope of work

This specification covers the requirements for the supply, installation and commissioning at Sondu Miriu Power Station base camp, of **One Diesel Generator , 100kVA [80kW], 140Amps as approximate maximum load, 3 Phase, 4wire output 415V/240V, power factor 0.8, 50Hz, complete with a manual change-over panel and associated cable works.**

The diesel generator shall be erected at an elevation level of approximately 1200m above sea level, and the supplier shall undertake all installation and commissioning works under supervision of KenGen.

Alongside the diesel generator, the tenderer shall also undertake the supply and commission of Generator manual changeover panel.

The Diesel Generator covered by this specification is to be for Kenya Electricity Generating Company, Sondu Miriu Power Station. The Diesel Generator will be used as an emergency power source for the staff base camp supplying the following loads.

- a) Club house
- b) Social hall
- c) Clinic
- d) Swimming pool
- e) Squash room
- f) Guest houses
- g) Security lights

2.0 Standards

All equipment and materials shall be designed, manufactured and tested, in accordance with the latest edition of the following standards and codes or acceptable equivalent

- a) IEC 60034: Rotating Electrical machinery (mandatory for generator set)
- b) IEC 60085: Electrical Insulation
- c) IEC 60204: safety of machinery
- d) IEC 60364: Electrical Installation in buildings
- e) UL 2200: Safety and health standard encompassing the design, construction and performance of stationary generators rated 600V and less (mandatory for generator set).
- f) UL 142: Covers steel fuel tanks intended for aboveground storage of diesel fuel (mandatory for fuel tank)
- g) ISO 8528: Ratings, performance of engines, alternators, controls and switchgear. This standard also defines test methods for measuring vibration and sound.
- h) ISO 3046: Engine power ratings, fuel consumption, vibration and test methods. Compliance with ISO 3046 is should be noted on a generator set's specification sheet (mandatory for generator set)

3.0 General Description of the Diesel generator

In addition to other requirement of this technical section, the diesel generator shall conform to the following general features

The generator shall be a Prime Power Rating generator for supplying continuous power. There should be no limitation to the annual operation hours. The generator should be able to supply 10% overload power for 1 hour in 12 hours period.

The generator alternator shall have internal pole alternator with copper windings, brushless, self-excited by incorporated exciter, self regulated by electronic voltage regulator, rotating rectifiers, insulation class “H”, temperature rise “B”, tropical and moisture resistant insulation, interference suppression, damper winding, large terminal box, alternator with free shaft end, with feet and SAE housing flange.

The neutral shall be solidly earthed.

The generator shall be directly coupled to and share a common high bedplate with the prime mover. The degree of protection for the generator and the exciter shall be not less than IP21.

Generator bearings shall be of the ball or roller type, rated for long life and pre-packed with sufficient grease for operating over long periods without replenishment.

The stator and field windings shall consist of electrolytic copper conductors insulated throughout with class H materials as defined in IEC 85. Three generator winding temperature detectors (Pt100) shall be installed for measuring and thermal protection.

During long periods of standstill, the windings shall be maintained in dry condition by thermostatically controlled tubular low-temperature heaters of sufficient rating. The heaters shall be fitted in the stator casing and wired out to a terminal box on the bed plate, which in turn shall be connected to the 240 volt single –phase supply.

The starter battery shall be lead acid capable of at least 5 re-starts and ability to supply all the DC controls

The generator shall be of soundproof design, EC compliant and meets the regulations for Noise emission by equipment for outdoor use (2005/88/CE). The noise level must be ≤ 75 dB at the distance of 7 meters. This shall be demonstrated during commissioning **before a completion certificate is given.**

The sound-proof enclosure construction shall be as follows:

- i) Seamless welded, steel base frame, coated with a phosphate primer and paint
- ii) Durable sheet steel canopy with stainless steel bolting
- iii) Impact locks which ensure that the doors close in perfect adjustment with the canopy
- iv) Glass fibre, fireproof, sound insulation, 50 mm in thickness and 80 mm in density, protected by a waterproof coating and fixed to the metal edges on all top, sides and doors

- v) Stainless steel residential silencer
- vi) Diesel engine fitted with an outdoor filtering system and condensation separator in the fuel supply
- vii) Well ventilated
- viii) Enough space for efficient maintenance. This shall be demonstrated during commissioning **before a completion certificate is given**

The generator shall have an additional shed erected on 50x50x6mm angle line. The roofing structure shall comprise 50x50x6mm angle line and gauge 28 pre-painted aluminium-zinc corrugated sheets well mounted with recommended bolts, nuts and rubber seals. The shed shall prevent adverse weather without affecting the generator performance.

NOTE: This shed shall be spacious enough to accommodate the overhead fuel tank and the change-over / distribution board with adequate measures taken to prevent windy rain water

The generator platform with M10 compression type anchor bolts shall be of **steel-reinforced concrete**.

The following indications shall be provided for indication and trip

- i) Over-current / Over-load
- i) Over-voltage
- ii) Engine heavy system failure. Indications for Over-speed, Over-temperature, Low oil pressure, Start failure (after 3 start trials)
- iii) High stator temperature
- iv) Earth fault
- v) Light faults as Low fuel oil level and Low starter battery voltage

The fuel storage shall be constructed as follows

- i) The diesel generator shall have its own internal storage
- ii) A separate integral steel tank must be supplied and installed alongside the diesel generator.

The integral metal fuel tank shall have a capacity sufficient for 48 hours continuous operation at full load, and shall be installed in a position where any fuel leakage cannot impinge on exhaust pipe or other hot engine surfaces. The tank shall be provided with all necessary fittings including fill, vent, drain and overflow line, level indication and access for inspection and maintenance.

Level switches shall be provided for Low Level and High Level Alarms.

The fuel tank shall be provided with an additional shed acceptable to KenGen unless proof is provided that the tank cannot ingress any form of outside vapour. This

requirement shall be verified during commissioning **before a completion certificate is given**

- iii) All measures to prevent/mitigate effects of accidental fire **The steel tank shall comply with UL142 and proof provided**

Operation of the diesel generator

The generator shall have at least 3 modes of operation that is OFF – MANUAL – AUTO. The normal operation mode will be auto.

In AUTO mode, the Start/stop will be by remote input signals as a result of Kenya power supply failure, which is single-phasing, under/over-voltage or total power failure. This facility shall be incorporated by the tenderer.

In MANUAL mode the generator shall be started and stopped manually (electrically).

In OFF mode the generator shall not be started in any mode.

4.0 Specifications for the Diesel Generator

The diesel generator shall be designed, manufactured, supplied and tested in accordance with the above listed standards and shall meet the requirements of section 4.1, 4.2, 4.3 and 7 and other requirements as stipulated in Section F- technical specification

4.1 Diesel Generator Basic Specifications

- i) Standard Electrical Output (@ 0.8 pf): 100 kVA / 80 kW.
- ii) Nominal Load: 140 Amps
- iii) Nominal Output Voltage – Phase to Phase: 415 Volts (+/-10 %)
- iv) Nominal Frequency: 50 (Hz)
- v) Maximum Ambient Temperature: 50°C
- vi) Maximum Sound Level: **85dB (A) at 1 meter**. Generator set to be in a sound-limiting enclosure

4.2 Specifications for Engine

- i) Air intake system: Turbocharged
- ii) Fuel system: Direct injection
- iii) Engine style: 4 stroke, 4 or 6 cylinder in Line, turbo charging, closed cycle water cooled, with a cooling water circulating pump and thermostat. The coolant should contain additives like conditioners and inhibitors
- iv) Cylinders: Should have replaceable liners

- v) Crank shaft and connecting rods made of forged steel
- vi) Base fuel tank capacity =>100 litres
- vii) Rated speed: 1500 rpm
- viii) Starting method: 12/24V Electric starting with a 12/24V dc starter motor
- ix) Battery capacity: each 180AHr, 12Vdc
- x) Filter system: whole changer system for lubricating oil, fuel and air filters
- xi) Air cleaners cartridge type, contain both primary (with water separator) and secondary fuel filters, lubrication oil filters with tool
- xii) Governor type: Electronic, Electronic control module to be incorporated in the engine Electronic
- xiii) Flexible fuel connection pipes: Supply from tank can be flexible but the high pressure pipes to be made of stainless steel.

- xiv) Gen-set structure: The Gen-set to have an adoptive integrative structure for fixing the engine & alternator on high strength steel basic frame with anti vibration instrument between the gen-set and basic frame
- xv) Fuel type: Diesel fuel oil
- xvi) Sound proof since it's near a residential area. To have a sound proof cover to be able to attain the requirement in 4.1, (vi) with a roofing to prevent accumulation of water at the top.
- xvii) Exhaust system shall of industrial high efficiency muffler & ripple type. In line exhaust silencer for residential, 25dB
- xviii) Fuel consumption shall not exceed the following
 - ❖ 100% load with fan, 24 litres/hour
 - ❖ 75% load with fan, 18 litres/hour

4.3 Specifications for Alternator

- i) Rating: 100kVA (prime), 110KVA (standby)
- ii) Number of phases: 3
- iii) Connecting type: 3-phase 4-wire
- iv) Frequency: 50Hz
- v) Power factor (cos Φ): 0.8
- vi) Speed: 1500 rpm
- vii) Voltage: 415V line, 240V phase to neutral
- viii) Excitation mode: self excitation, brushless, 4-pole
- ix) Voltage regulation: Automatic voltage regulator (AVR)
- x) Operation philosophy: Off – Manual – Auto
- xi) Efficiency: >90%
- xii) Frequency fluctuation: $\leq \pm 0.5\%$
- xiii) Frequency regulation: $\leq \pm 0.5\%$ (stable)
- xiv) Voltage accuracy: $\pm 1\%$ between no load and full load (steady). Voltage adjustment: $\pm 5\%$

- xv) Insulation class: H
- xvi) Protection class: IP21
- xvii) Duty: Continuous
- xviii) Temperature rise:

5.0 Manual Change-Over panel

5.1 General specifications

The panel shall be free standing, about 2000mm in height constructed from mild steel sheet of minimum 2.0 mm gauge. The panel door must be adequately stiffened, using minimum of 50 mm wide and 4 mm thick steel bar, spot welded around the inside of the panel door.

The panels shall be painted grey white (RAL 9002), and strictly epoxy powder coating or a superior method.

The degree of protection shall be IP54 if installed indoor (generator shed) and IP65 if installed outdoor. Indoor means installation is inside the generator shed (preferred)

If outdoor installation is done, the panel must be weather-proof with a sloping roof and guttering which direct water away from the door. IT SHOULD WITHSTAND POWERFUL WATER JETS FROM ALL DIRECTIONS

A resilient door gasket of skinned neoprene must make continuous contact around the cubicle door openings. Gaskets must be glued and held in place by continuous retaining strips. On outdoor switchboards, doors must seal by closing onto a 45 degree return fold rain gutter panel, all around the fixed door frame. Door hinges must be chrome plated lift off type with stainless steel pins. Pad lockable rotary type latch handles must be fitted to secure the door.

5.2 Manual Change-over panel specifications

The changeover system shall among other items comprise of the following;

- a) 4-pole Moulded case circuit breakers (MCCBs) for generator and Kenya Power incomer, suitably rated, but not less than 250A, to carry generator full load current with **adjustable** over-load and short circuit current settings with breaking capacity of not less than 36kA at 415Vac.
- b) A 4-pole contactor change-over with both electrical and mechanical interlocks. The nominal current rating of the contactor shall not be less than **300A (I_{th}) AC1 duty**.

- c) Installation and commissioning of this changeover panel shall form part of the job.

6.0 Diesel Generator Testing

6.1 Introduction

All the necessary tests shall be carried out to show that the generator set meets the duty requirement specified. The tenderer shall give a manifest of all the tests to be carried out. The Diesel Generator shall be tested at the manufacturers works or other approved location in accordance with IEC publication IEC60034, IEC60204 or the latest revisions thereof. Tests will also comply to standards as stipulated in part 2 of this section. Tests certificates for certain tests may be acceptable to KenGen upon request.

At the discretion of KENGEN, type testing may be omitted, provided the supplier submits evidence of the satisfactory testing of same type of equipment. The following tests shall be performed.

6.2 Generator Set

- a) Pre-commissioning inspection on various components/systems
- b) Control function test
- c) Dummy load test
- d) Maximum power
- e) Battery charger output test
- f) Step load acceptance test
- g) Insulation Resistance test
- h) Temperature rise
- i) Speed/frequency governing
- j) Noise level measurement
- k) Vibration tests
- l) Any other test requested by KenGen

6.3 Control Panel

- a) Pre-commissioning inspection on various components/systems
- b) Performance tests on individual components such as voltmeter, ammeter, frequency meter, wattmeter, indicating lamps, buttons and switches.
- c) Circuit protection and load transfer tests
- d) Insulation Resistance tests

6.4 Fuel tank

- a) Pre-commissioning inspection on the construction, welding, painting and components of tank and pipe-work.
- b) Hydraulic test

6.5 Supervision of installation, tests and commissioning

- a) The site installation and commissioning of the diesel generator shall be done by the tenderer.
- b) The Tenderer`s supervisor shall inspect the commissioning and putting into operation the diesel generator and train KENGEN staff of all of the operations.

NOTE

If KenGen is required to witness the tests at the factory, the tenderer shall meet all the costs except travelling for two KenGen Engineers.

7.0 Spares

7.1 Diesel generator spares

- a) One piece of each Electronic card ready for use including any programmable processor and special relays which are to be supplied during commissioning. The cards shall be tested on the live system before acceptance
- b) A set of seals and gaskets kit
- c) A Set of belts for the Fan and a kit for the opening and closing of the Fuel and oil filters
- d) A set of Allen screws for any special-head screw used in the generator and any other Special tooling required during disassembly/adjustment of the engine.
- e) Two pieces of each of the following:
 - (i) Primary oil filters,
 - (ii) Secondary oil filters,
 - (iii) Air cleaners,
 - (iv) Lube oil filters
 - (v) Any other filtering element
 - (vi) Other recommended spares required during the first 12000 hours of running

8.0 Operation and Maintenance manuals

The operation and maintenance manuals of the generator and all the auxiliaries supplied shall be furnished with the generator set with detailed diagram of the wiring of equipment and auxiliaries, frequency of lubrication, operating instructions etc.

The manual shall contain the following information, in **ENGLISH LANGUAGE**.

- a) Title of equipment, station name, equipment rating and Manufacturer's reference numbers. This information shall appear on the outside of the binder and on the first page.
- b) Table of content for the manual shall be sectionalised and numbered sequentially.
- c) List of drawings and summaries, by number and title including serial numbers of equipment to which the manuals are applicable.
- d) The units for all measurements and parameters shall be metric
- e) Dismantling, repair, settings, inspection and lubrication.
- f) Electrical drawings shall have cross-references and ratings for components
- g) A detailed block diagram for control logic shall be provided
- h) Maintenance instructions for dismantling the equipment, repair instructions and settings of critical clearances and adjustments, complete with photographs and sketches or drawings, special tools shall be clearly described. Sectional and exploded diagrams with parts list shall be provided
- i) Guide to inspection / monitoring frequency
- j) Lubrication chart and schedule (including component qualities). Lubricants shall be identified according to accepted ANSI standards. If no lubrication is required, it should be clearly stated.
- k) Trouble-shooting guide
- l) Two compact disks (CDs) of soft copy of the above items

9.0 Schedule of Technical Specification Table

The following table shall form part of technical evaluation. Tenderers who SHALL NOT APPROPRIATELY FILL THIS TABLE SHALL BE EVALUATED AS NON-RESPONSIVE

No.	Item	Specifications	Compliant (state)
A	GENERATOR		
1	Prime rating of Diesel generator	100kVA, 140A, 415V/240V,3-phase, 50Hz, 0.8pf	
2	Ambient	50 ⁰ C	
3	Max sound level	80dB at 1 metre, at any load condition	
4	Engine	4 stroke, 4 or 6 cylinder, turbo-charged, closed cycle water cooled	
5	RPM	1500	
6	Fuel consumption	Not exceeding i) 100% load with fan: 24litre/hour ii) 75% load with fan: 18 litres/hour	
7	Operation philosophy	Off – manual – Auto	
8	Duty	Continuous	
9	Starting method	12V/24Vdc	
10	Governor type	Electronic	
11	Excitation mode	Self-excitation, brushless, 4 pole	
12	Voltage regulation	Automatic Voltage Regulator	
13	Alternator insulation class	H	
14	Protection class	IP21	
15	Generator instruments	i) Voltmeter with 7-position selection ii) 45-55Hz frequency meter iii) Ammeters, 3No, one per phase iv) kW, kVAR, kWhr v) rpm vi) Running hour counter	
16	Efficiency	>90%	

17	Standards (refer to section 2 and sections where standards are stated). INDICATE ON THIS TABLE THE STANDARDS IN COMPLAINECE (ATTACH BROCHURE)	IEC 8528, Part 4: Control systems for generators IEC 60034: Rotating electrical machines Others IEC 60204: Safety of machinery IEC 60364: Electrical Installations for buildings IEC 61557: Electrical safety in low voltage UL 2200: Safety and health of stationary generators UL142: Over-ground steel tank ISO 8528: Rating and performance of engines ISO 3046, Ratings, fuel consumption and vibrations	
18	Specifications	Comply to sections 3, 4 and 7 of SECTION F: Technical Specifications, attach brochures	
19	Spares	Availability of ALL spares for the next 5 years	
20	Warranty (repair and replacement to be done by the bidder within warranty limit)	2 years and indicated in attached brochure	
B	MANUAL CHANGE-OVER PANEL		
22	Standards Standards (refer to section 2 and sections where standards are stated). INDICATE ON THIS TABLE THE STANDARDS IN COMPLAINECE (ATTACH BROCHURE)	Manufactured according to: IEC 61947: Low Voltage switchgear and control-gear IEC 61439-1: Low Voltage switchgear and control-gear assemblies IEC 60364: Electrical Installations for buildings	
23	Short circuit rating	= >36kA, attach data sheet	
24	Degree of protection	Indoor, IP54, Outdoor, IP65	
25	Specifications	Comply to sections 5 of SECTION F: Technical Specifications, attach brochures	

26	IMPORTANT	<p>OFFER SHALL ONLY BE CONSIDERED IF:</p> <p>Technical specification (for each item given here in serial numbers: 1-26) with supporting printed manual or catalogue for technical items, for the generator set, change-over / distribution panel and other items offered.</p> <p>Attaching a copy of this form indicating "comply" only Is Not Acceptable.</p> <p>Technical specifications /Deviations if any shall be highlighted for each item quoted</p>	
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Technical specifications /Deviations if any **shall be highlighted** for each item quoted

SECTION G

TENDER FORM

**To: The Kenya Electricity Generating Company Limited
Stima Plaza Phase III, Kolobot Road, Parklands
P. O. Box 47936,
Nairobi, KENYA**

Gentlemen and/or Ladies:

Having examined the tender documents including Addenda Nos.....
the receipt of which is hereby duly acknowledged, we, the undersigned, offer to **SUPPLY, INSTALL AND COMMISSION OF 100kVA DIESEL GENERATOR FOR SONDU MIRIU POWER STATION** in conformity with the said tender documents for the sum of.....or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

We undertake, if our Tender is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Tender is accepted, we will obtain the guarantee of a bank in a sum equivalent to **10%** percent of the Contract Price for the due performance of the Contract, in the form prescribed by The Kenya Electricity Generating Co. Ltd.

We agree to abide by this Tender for a period of **120 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.

Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

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 authorised to sign tender for and on behalf of _____

SECTION H

SCHEDULE OF REQUIREMENTS

PRICE SCHEDULE FOR GOODS

Price schedule for **DIESEL GENERATOR FOR SONDU MIRIU POWER STATION.**
ALL PRICES TO INCLUDE DELIVERY TO SONDU MIRIU.

No.	DESCRIPTION	Units	UNIT PRICE	TOTAL PRICE
1	100kVA Diesel generator complete with fuel tank, sound-proof enclosure and weather protection shed.	LOT	1	
2	Manual change over panel	PC	1	
4	Spares for diesel generator Set	LOT	1	
TOTAL PRICE				
VAT				
GRAND TOTAL				

Delivery period	
Country of Origin	
Manufacturer	
Tenderer's Name	
Tenderer's Signature	
Date	

Signature of tenderer _____

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

**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 120 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:

CountryPhysical address

TownBuilding.....

Floor.....Plot No.

Street / RoadPostal 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 (**US D/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 thisday 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 thisday 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 thisday 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) – Experience: NOTE: THIS SECTION IS MANDATORY ONLY IF IT FORMS PART OF TECHNICAL EVALUATION. IT'S ALSO NOT NECESSARY FOR ALREADY PRE-QUALIFIED OR DIRECT PROCUREMENT FIRMS. AGPO FIRMS ARE HOWEVER EXCLUDED ENTIRELY FROM FILLING IT.

Please list here below similar projects accomplished or companies / clients you have supplied with similar items or materials in the last XX years.

	Company Name	Country	Contract/Order No.	Value	Contact person (Full Names)	E-mail address	Cell phone No.
1							
2							

Part 2 (i or j) – Bank account details:

AGPO firms must provide evidence from their bank that the account to which KenGen shall make payment has a youth or a woman or a PWD listed in the **CR12 form/partnership deed/sole proprietor certificate** as a MANDATORY signatory of that account,- **Sec.157 (11) of PPADA:**

Account No:.....Name of the person(s) in the CR12 form OR in the

partnership deed OR in the sole proprietor certificate...../.....
ID No(s):...../.....Signature and stamp of the authorized Banker Representative.....Date.....

Part 2(j or k) – 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 of

.....2015.

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 supply of **SUPPLY, INSTALLATION AND COMMISSIONING OF 100kVA DIESEL GENERATOR FOR SONDU MIRIU POWER STATION** (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 ... **Supply, Installation and Commissioning of 100kVA Diesel Generator for Sondu Miriu Power Station** (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.