



KENYA ELECTRICITY GENERATING COMPANY LIMITED

KGN-GDD-05-2018

**TENDER FOR SUPPLY OF PORTABLE DIESEL ENGINE
ELECTRIC GENERATORS COMPLETE WITH
MAINTENANCE TOOLS FOR GEOTHERMAL
DEVELOPMENT DIVISION**

(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

SECTION I INVITATION TO TENDER

The Company invites sealed tenders from eligible candidates for the Tender for Supply of Portable Diesel Engine Electric Generators Complete with Maintenance Tools, 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; jgesaka@kengen.co.ke

Where the tender document may be collected upon payment of a non-refundable fee of **KES, 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 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 “**KGN-GDD-05-2018- TENDER FOR SUPPLY OF PORTABLE DIESEL ENGINE ELECTRIC GENERATORS COMPLETE WITH MAINTENANCE TOOLS GEOTHERMAL DEVELOPMENT DIVISION**” and addressed to:

**Company Secretary & Legal Affairs Director
Kenya Electricity Generating Company Limited
10th Floor, KenGen Pension Plaza Phase II
Kolobot Road, Parklands
P O Box 47936 - 00100
NAIROBI, KENYA**

On or before: **19th February 2018 at 10.00 a.m.** Tenders will be opened on **19th February 2018 at 10.30 a.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.

KenGen adheres to high standards of integrity in its business operations.
Report any unethical behavior immediately to the provided anonymous hotline service.
Call Toll Free: 0800722626 Free Fax: 00800 007788
Email: kengen@tip-offs.com Website: www.tip-offs.com

SUPPLY CHAIN DIRECTOR

SECTION II

INSTRUCTIONS TO TENDERERS

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 it's tender are 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 specified in the Appendix.

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 letter 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,” **19th February 2018 at 10.00 a.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 **19th February 2018 at 10.00 a.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, on **19th February 2018 at 10.30 a.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	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
2.1.1	This Invitation for Tenders is open to all Tenderers as described in the Invitation to Tender
2.14.2	The tender security shall be in the amount KShs. 400,000.00 or equivalent in a freely convertible currency.
2.18.1	19th February 2018 at 10.00 a.m.
2.22.2	No Correction of Errors. 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 or by any person or entity

2.24.1	<p>The following shall be the evaluation Criteria</p> <p>A) Mandatory Evaluation Criteria:</p> <ul style="list-style-type: none"> ➤ Duly completed Tender Form. ➤ Duly completed Price Schedule. ➤ Valid Tax Compliance Certificate. ➤ Valid business permit. ➤ Tender Security in the amount of KShs. 400,000.00, valid for 150 days. ➤ Tender validity shall be 120 days from tender opening date. ➤ Evidence of certificate of incorporation/ Registration. ➤ Duly filled and signed Mandatory Confidential Business Questionnaire as provided. ➤ Manufacturer’s authorization attesting guarantee to the quality of the products offered. ➤ Sequential pagination/serialization of all pages in the tender documents. ➤ Valid Tax Compliance Certificate issued by Kenya Revenue Authority. ➤ All items in the schedule must be quoted to be considered responsive. <p>B) Technical Evaluation Requirements</p> <ul style="list-style-type: none"> ➤ Compliance to the technical specifications. Documentary evidence to prove that the equipment offered comply with the Technical Specifications must be provided; and ➤ Technical data sheets showing conformity to the technical specifications. ➤ Manufacturer’s warranty of at least 12 months. ➤ Delivery period offered in the tender. The delivery period shall be within 6 Months from the date of signing the Contract. ➤ <p>C) Financial Evaluation</p> <ul style="list-style-type: none"> ➤ Price quoted shall be duty paid and delivered to Olkaria ➤ Award shall be based on the <u>total lowest evaluated price per schedule.</u>
2.27.7	<p>KenGen may at its own discretion conduct due diligence on the eligible bidders to establish their ability to perform the contract.</p>

**SECTION III:
GENERAL CONDITIONS OF CONTRACT**

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
3.7.1	Performance security Performance security shall be 10% of the total contract price.
3.10.1	Delivery Period <ul style="list-style-type: none">The Goods shall be delivered within 6 months from the issuance of a Purchase Order
3.12.1	Payment Terms and Conditions <ul style="list-style-type: none">KenGen's payment terms are 30 days upon receipt of certified invoices and delivery notes confirming that the invoiced material has been delivered and are in accordance with the contract. Advance Payment <ul style="list-style-type: none">Advance payment is not applicable
3.18.2	Arbitration where necessary shall be by the Chartered Institute of Arbitrators Kenya Chapter

SECTION V

TECHNICAL SPECIFICATIONS

Notes

1. The goods to be supplied must be new and unused.
2. Delivery will be made to Olkaria, Naivasha, within **6 months** from the date of award of contract.
3. Relevant descriptive literature of the Goods showing conformity to the technical specifications **must** be provided with the bid. **Irrelevant literature downloaded from the Internet shall not be accepted.**
4. These specifications describe the basic requirements for goods. Tenderers are requested to submit with their offers the detailed specifications, drawings, catalogues, etc. for the products they intend to supply.
5. All the dimensions and capacities of the equipment to be supplied shall not be less than those required in these specifications. Deviations from the basic requirements, if any, shall be explained in detail in writing with the offer, with supporting data such as calculation sheets, etc. The procuring entity reserves the right to reject the products, if such deviations shall be found critical to the use and operation of the products.
6. The tenderers are requested to present information along with their offers as follows: -
 - i) Shortest possible delivery period of each product.
 - ii) Information on proper representative and/or **local workshop/dealership** for back-up service/repair and maintenance/engine rebuild etc, including their **names and addresses.**

NB: Item (ii) above is a **mandatory requirement.**

 - iii) **Quote for service parts for each unit of equipment. The same to be delivered with the generators**
 - iv) **Average fuel consumption rate on full load in litres per hour.**

1.0 The Engine and the Alternator MUST be from the same dealer.

All equipment and materials supplied should suit the following conditions

1.1 Climatic Conditions

All equipment and material of the plant shall be suitable to stand tropicalized conditions.

Ambient Temp - 32 deg C

Ave. relative humidity - 80%

Operation Altitude – At least 600m above sea level.

SCHEDULE A: SUPPLY OF 250kVA GENERATOR

1.2 System Parameters

Nominal Voltage - 415/240 VAC, 3 Phase & Neutral

System Frequency - 50 Hz

Method of earthing - Neutral solidly earthed

Power factor - $0.8 \cos \phi$

Standby power (LTP) - 275.00 kVA

Prime power (PRP) - 251.48 kVA

1.3 Applicable Standards

Latest publication of the following standards is applicable.

- ISO3046 -RIC engines –performance (=BS 5514)
- ISO8528, BS4999, BS5000PT99, AS1359
- IEC 60034 -Rotating Electrical Machines (=BSEN60034)
- IEC 60255 -Electrical relays (BS5992)
- IEC 60439 -Low voltage switch gear & control gear
- BS 5000-3 -Generator to be driven by RIC engine
- BS5625(STD 12.5) –Rotator balance

1.4 Introduction

Two brand new tropicalized continuous variable operation type 250KVA prime powered silent (Max. 60 dB at 10m) **portable** diesel engine driven generators, should be complete with maintenance tools and service parts.

The Generator control unit must be microprocessor based with LCD display presenting all values and alarms. It should have the following equipment, meters, indicators etc.

- (a) Tacho-meter
- (b) Frequency meter
- (c) Hour run recorder
- (d) Lubricant oil pressure gauge
- (e) Water temperature gauge
- (f) Duty selector switch
- (g) Ammeter with selector switch
- (h) Volt meter with selector switch
- (i) kW meter
- (j) kWh meter
- (k) Power factor meter
- (l) Emergency stop button with transparent cover to prevent inadvertent operation (pressed locked and turned released type).
- (m) Lamp test button

- (n) Trickle & boost charger complete with ammeter.
- (o) Low Lubricant oil pressure shut down indication
- (p) High Water temperature shut down indication
- (r) Over current trip indication
- (s) Over voltage trip indication
- (t) Fail to start indication
- (u) Main available indication
- (v) Main on load indication
- (w) Generator on load indication
- (x) Indication Reset button

All protection, alarm indication shall be audio-visual resetting type. Current transformers of ammeters shall be connected to the load side.

1.5 Engine

A four stroke turbo charged diesel engine complying to BS5514 (or ISO equivalent) works on normal auto diesel having sufficient power to take maximum load of 250kVA at 0.8 power factor at 1500 RPM with 10% overload capacity for 1 hour within a period of every 12 hours is required. The engine should be directly flange coupled by a semi flexible main drive disc coupling alternator shaft to engine fly wheel to ensure positive alignment. The engine should be mounted with anti-vibration resilient mounting for the common skid. The engine should be of radiator water cooling type with a heat exchanger for lubricating oil. The capacity of the radiator should be suitable for tropical conditions for maximum ambient temperature of 40 deg. C. The radiator core should be fabricated with seam welded copper tubes and copper fins. The exhaust silencer and the exhaust piping should be fully heat insulated with environmentally friendly lagging material clad with aluminum sheet having thickness not less than 1 mm. Aluminum cladding should be of easily removable type. The exhaust silencer should be coupled with stainless steel flexible tubing to withstand vibration and silencer unit should be of critical type. The muffler system should be easily detachable during transportation. The engine should be of 24V DC starter motor operated type, complete with heavy duty batteries (12V, 24V, 200 AH) and a battery charging alternator. The speed of the engine should be 1500 RPM and the governor shall be of electronic type and be capable of fine governing of speed up to class A2 of BS5514 permitting $\pm 2\%$ variation on normal speed. Continuous gross power: 160.7 kW and Prime gross power: 227 kW. The Starting engine capability: 5 kW

Additional Engine Equipment:

Engine and block

- Optimized cast iron cylinder block with optimum distribution of forces
- Keystone top compression rings for long service life
- Replaceable valve guides and valve seats

Fuel system

- Common rail
- Engine mounted fuel pre-filter with water separator
- Fine fuel filter of cartridge insert type
- Gear driven fuel feed pump

Lubrication system

- Rotary displacement oil pump driven by the crankshaft
- Deep front oil sump, Oil filler on top, Oil dipstick, short in front
- Integrated full flow oil cooler, side-mounted

Cooling system

- Belt driven, maintenance-free coolant pump with high degree of efficiency
- Efficient cooling with accurate coolant control through a water distribution duct in the cylinder block
- Reliable thermostat with minimum pressure drop

Intake and exhaust system

- Two-stage air filter, with cyclone

The following protection should be provided for engine but not limited to;

- (a) Low Oil Pressure
- (b) High Engine Temperature
- (c) Low fuel level

1.6 Alternator

The alternator shall be of 415/240 V.A.C. 50 Hz, 3 phase, 4 wire star connected type and should be directly coupled to the engine operating at 1500 RPM. It should be fully tropicalized, standard protection IP23 and should possess self exciting and self regulating characteristic and brushless type with 3 phase A.C. exciter and rotating diodes. The alternator should be rated for output of 250kVA at 0.8 power factor with 10% overload for 1 hour within a period of every 12 hours with radio interference suppression to comply with BS800 and VDE levels of G & N. The insulation of the winding should be of class H. The alternator should be capable of short time overload for motor starting capability. The alternator and the excitation winding should be tropicalized and be capable of satisfactory operation at an ambient temperature and relative humidity stated in clause 1.1 above without deterioration of insulation of the winding. The windings must be 100% copper. The self exciting and self regulating characteristic may be obtained from solid state electronic equipment. But such equipment should be fully tropicalized and certified to be sufficiently aged to prevent correct parameters being altered due to aging, humidity or temperature etc. The voltage regulation must be maintained within $\pm 0.5\%$ between power factor of 0.8 and unity lagging, from no load to full load operation. The alternator should be in accordance with BS5000. The star connected neutral point to be brought out to a suitable terminal in the terminal box for earthing. The inherent characteristics of the alternator should maintain the output voltage under the condition of load, from no load to 110% full load and at power factor range from unity to 0.8 within the limits of $\pm 2\%$ of nominal. The capacity of generator circuit breaker should be 450A (adjustable to 400A). The generator circuit breaker should have shunt tripping facility for electrical protections and thermal overload (adjustable) facility. The following protections should be provided for alternator, to trip off the main breaker and shut down the engine.

- (a) Over/under current protection
- (b) Over/under voltage protection.

1.7 Fuel Tank

Outer filling fuel port/ Drainage outlet

8-12 hours based fuel tank in soundproof generator sets to prevent against leakage and fuel spray when cleaning the interior. Should have; air breather (ventilation pipe) and minimum level sensor. The fuel tank should abide by European environment protection standards.

1.8 Canopy

- Soundproof canopy made up of modular panels, realized with zinc coated steel as treatment against corrosion and aggressive conditions, properly fixed and sealed allowing a full weatherproof enclosure.
- Easy access to the genset for maintenance purposes: Wide lateral access doors fixed by stainless steel hinges and provided with lockable handles and internal perforated galvanized steel-sheet; Detachable panels, with screws holes protected by rubber tap.
- Control panel protection door provided with suitable window and lockable handle.
- Lateral air inlet opening properly protected and soundproofed. Exhaust air outlet from the roof, through wet section protected by proper grid.
- Double lifting points frame structure.

1.9 Maintenance Tools

The generator unit shall be supplied with a complete major set of tools. The tools should consist of the following;

Datasheets should be provided for all tool items with the tenderer's proposed item highlighted with reference to the below list (i.e. Section V, 1.9(a))

(a). 6- 32 mm metric combination spanners with 12 point (bi-hexagonal) ring

Forged from chrome vanadium steel, hardened, tempered and chrome plated for corrosion protection. They should be supplied with a storage pouch with pockets. Ring end offset at 15°. Jaw offset at 15°. The set should consist of at least 24 different sizes suitable for industrial/professional work. Sizes of each spanner should be stamped or forged on to each individual spanner. All the spanners should conform to DIN 3113 standard, or ASME B107.6, or an equivalent standard.

The set should include a minimum of the following sized spanners: 6 mm,7 mm,8 mm,9 mm,10 mm,11 mm,12 mm,13 mm,14 mm,15 mm,16 mm,17 mm,18 mm,19 mm,20 mm,21 mm,22 mm,23 mm,24 mm,25 mm,26 mm,27 mm,28 mm, 30mm and 32mm

(b). 6-32mm metric double open ended Spanner set

Forged from chrome vanadium steel, hardened, tempered, chrome plated, for corrosion protection. Open ends offset at 15°. The set should consist of at least 12 pieces and 24 different sizes. The set should be suitable for industrial/professional work. Sizes of each spanner should be stamped or forged on to each individual spanner. All the spanners should conform to DIN 3110 standard or an equivalent standard.

The set should include a minimum of the following sized spanners: 6 mm x 7mm, 8mm x 9mm, 10mm x 11mm, 12 mm x 13 mm, 14mm x 15 mm, 16mm x 17mm, 18mm x 19mm, 20mm x 22mm, 21mm x 23mm, 24mm x 27mm, 25mm x 28mm, 30mm x 32mm

(c). 6-32mm metric bi-hexagonal (12 point) deep offset ring spanner set

Long pattern forged from chrome vanadium steel, hardened, tempered, chrome plated for corrosion protection. The set should consist of at least 12 pieces and 24 different sizes. The set should be suitable for industrial/professional work. Sizes of each spanner should be stamped on to each individual spanner. All the spanners should conform to DIN 838 standards or an equivalent standard.

The set should include a minimum of the following sized spanners: 6 mm x 7mm, 8mm x 9mm, 10mm x 11mm, 12 mm x 13 mm, 14mm x 15 mm, 16mm x 17mm, 18mm x 19mm, 20mm x 22mm, 21mm x 23mm, 24mm x 27mm, 25mm x 28mm, 30mm x 32mm

(d). ½ (half) inch square drive bi-hexagonal (12 point) Imperial and metric socket set complete with ratchet and handles.

Each socket should be manufactured from correctly hardened, and tempered, chrome vanadium steel

- i) Should consist of no less than 20 metric ½ inch square drive bi-hexagonal (12 point) sockets, size range: 8mm-32mm.
- ii) Should consist of no less than 10 imperial ½ inch square drive bi-hexagonal (12 point) sockets, size range: 7/16 to 1 inch
- iii) Should consist of no less than 3 spark plug socket sizes 10 mm, 12 mm and 14 mm
- iv) The set should be supplied with at least one reversible ratchet with quick release button. The ratchet should feature a 72 tooth ratchet mechanism or better (a ratcheting mechanism with more teeth).
- v) The set should be supplied with at least 3 extension bars, sizes: 75 mm long, 150 mm long and 250 mm long
- vi) At least one sliding T-handle or flexible handle not less than 250 mm long
- vii) One universal joint
- viii) Should be supplied in heavy duty steel carry case or equivalent

The entire socket set should be manufactured and tested in accordance with DIN3122 and ISO3315 specifications

(e). VDE Approved Electrically insulated screw driver set

- The set should consist of at least 10 individual screwdrivers
- There should be at least six (6) slot screwdriver sizes with blade sizes ranging from 2mm to 6.5 mm.
- There should be at least four (4) Philips screwdriver sizes. Sizes PH0, PH1, PH2 and PH3
- Each screwdriver should have a cushioned high grip dual material handle.
- Each screwdriver blade should be made from chrome-vanadium-molybdenum alloyed steel, hardened, with a black oxide finish.

-All the screwdrivers should be insulated in accordance to ASTM and VDE standards and certified for use at voltage up to 1000 V (AC) and 1500 V (DC)

(f). Long Arm Imperial and Metric Allen Hex Key Set with Ball End

Should meet or exceed the following requirements:

- Should include a minimum of the following SAE/Imperial Sizes: INCH 0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8
- Should include a minimum of the following METRIC Sizes: 1.5mm, 2mm, 2.5mm,3mm ,4mm, 5mm, 6mm, 8mm, 10mm
- Each hex key should feature one Flat hex end and one Ball-End to permit entry angles up to 25°
- All the hex keys should be made from heat treated, tempered, Alloy Steel providing High Strength and Resistance to Rotational Distortion
- Each key should have a black oxide finish
- The set should have a non-interference hinged holders to store and access keys or a pouch

(g). Long Arm Torx Key Set

Should meet or exceed the following requirements:

- Should include a minimum of the following sizes: T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40
- Heat treated, tempered, Alloy Steel for high strength and resistance to rotational distortion
- Black oxide finish
- Non-Interference Hinged holder to store and access keys

(h). True RMS Digital Multi-meter

The multi-meter should have the following features

- Manual and automatic ranging
- Display hold and auto hold
- Frequency and capacitance measurements
- Resistance, continuity, and diode measurements
- Temperature measurement
- Min-max-average recordings
- Ergonomic case with integrated protective holster
- Backlight for work under low and dim lighting
- Should come with a carry case for the multi-meter and its support accessories
- The meter should be a true RMS type meter capable of measuring nonlinear electrical signals
- Battery powered

The meter should be able to measure the following quantities and meet or exceed the following measurement standards;

Type Of Measurement	Standard and quality of Measurements
Voltage DC	Accuracy: $\pm (0.09\% + 2)$
	Max Resolution: 0.1 mV
	Range: 1000 V
Voltage AC	Accuracy: $\pm (1.0\% + 3)$
	Max Resolution: 0.1 mV
	Max Test Voltage: 1000 V

Current DC	Accuracy: $\pm (1.0\% + 3)$
	Max Resolution: 0.01 mA
	Max Test Current : 10 A
Current AC	Accuracy: $\pm (1.5\% + 3)$
	Max Resolution: 0.01 mA
	Max Test Current : 10 A
Resistance	Accuracy: $\pm (0.9\% + 1)$
	Max Resolution: 0.1 Ohms
	Max Test Resistance : 50 Mega Ohms
Capacitance	Accuracy: $\pm (1.2\% + 2)$
	Max Resolution: 1 nano-farads
	Max Test Capacitance: 10 milli-farads
Frequency	Accuracy: $\pm (0.1\% + 1)$
	Max Resolution: 0.01 Hz
	Max Test Frequency : 100 kHz
Temperature	Accuracy: $\pm (1.0\% + 10)$
	Max Resolution: 0.1 °C
	Testable Temperature Range : -40 °C to 400 °C

Safety Specifications:

Overvoltage category: EN 61010-1 to 1000 V CAT III, EN 61010-1 to 600 V CAT IV

Agency approvals: UL, CSA, TUV listed

(i) True RMS AC/DC Clamp Meter

The clamp meter should have the following features:

- The meter should be a true RMS type meter capable of measuring nonlinear electrical signals
- The meter should be able to measure AC and DC up to 1000 A via its main jaw/clamp
- The meter should have a flexible clamp/current probe accessory to facilitate measurement of AC and DC up to 2500 A.
- The meter should be able to measure AC and DC voltages up to 1000V
- The meter should be able to perform frequency measurement up to 500 HZ via it main jaw and flexible clamp
- The meter should be able to test capacitance up to 1000 micro-farads, resistance upto 60 kilo-ohms,
- The meter should have a feature to record min, max, average and inrush current in test signals automatically
- Battery powered

The meter should be able to measure the following quantities and meet or exceed the following measurement standards

Type Of Measurement	Standard and quality of Measurements
AC Current Via Body Jaw	Accuracy: 2.5 % \pm 5 digits (10 Hz to 100 Hz)
	Accuracy: 2.5 % \pm 5 digits (100 Hz to 500 Hz)
	Max Resolution: 0.1 A
	Range: 999.9 A
AC Current Via Flexible Current Probe	Crest Factor (50 Hz/ 60 Hz) : 3 @ 500 A, 2.5 @ 600 A
	Resolution: 0.1 A (\leq 600 A) , 1 A (\leq 2500 A)

	Accuracy: 3% ± 5 digits (5 Hz to 500 Hz)
	Crest Factor (50 Hz/60 Hz) : 3.0 at 1100 A, 2.5 at 1400 A, 1.42 at 2500 A
DC Current	Range: 999.9 A
	Resolution: 0.1 A
	Accuracy: 2% ± 5 digits
AC Voltage	Range: 1000 V
	Resolution: 0.1 V (≤ 600 V) , 1 V (≤ 1000 V)
	Accuracy: 1.5% ± 5 digits
DC Voltage	Range: 1000 V
	Resolution: 0.1 V (≤ 600 V) , 1 V (≤ 1000 V)
	Accuracy: 1% ± 5 digits
DC Voltage (mV Range)	Range: 500 mV
	Resolution: 0.1 mV
	Accuracy: 1% ± 5 digits
Frequency Via Jaw	Range: 5.0 Hz to 500.0 Hz
	Resolution: 0.1 Hz
	Accuracy: 0.5% ± 5 digits
	Trigger Level: 5 Hz to 10 Hz, ≥ 10 A, 10 Hz to 100 Hz, ≥ 5 A, 100 Hz to 500 Hz, ≥ 10 A
Frequency Via Flexible Current Probe	Range: 5.0 Hz to 500.0 Hz
	Resolution: 0.1 Hz
	Accuracy: 0.5% ± 5 digits
	Trigger Level: 5 Hz to 20 Hz, ≥ 25 A, 20 Hz to 100 Hz, ≥ 20 A, 100 Hz to 500 Hz, ≥ 25 A
Safety Compliance Standards	CAN/CSA-C22.2 No. 61010-1-04 ANSI/UL 61010-1:2004 ANSI/ISA-61010-1 (82.02.01):2004 EN/IEC 61010-1:2001 to 1000V Measurement Category (CAT) III 600V Measurement Category (CAT) IV Pollution Degree 2 EN/IEC 61010-2-032:2002 EN/IEC 61010-031:2002+A1:2008

Agency Approvals: UL, CSA, TUV listed

(j). General Purpose Screwdriver Set

Each screwdriver should be made from hardened chrome vanadium molybdenum steel (SVCM) with satin chrome plated blades and sand blasted tips. The handle should be made from a soft grip polymer and color coded to facilitate easy identification of the screwdrivers. The set should feature no less than 20 screw drivers. The set should feature the following screw driver types and sizes:

- i) The set should consist of at least six (6) plain slot screwdrivers with blade tip width ranging from 3mm to 8mm, and screwdriver shafts ranging from 75mm to 150 mm.
- ii) The set should consist of at least three (3) Phillips (cross) screwdrivers: PH1, PH2 and PH3

- iii) The set should consist of at least three (3) Pozidriv screwdrivers: PZ1, PZ2 and PZ3
- iv) The set should consist of at least six (6) torx-star (TX-star) screwdrivers: T6, T8, T10, T15, T20 and T25
- v) The set should consist of at least one (1) plain slot/phillips angle screwdriver of hybrid z screwdriver
- vi) Four way Plain and slot screwdriver disc

The set should be supplied with a storage case able to hold the entire screwdriver set.

(k). Metric ½ inch Square Drive Hex Bit Set

Should meet or exceed the following requirements:

- Should include a minimum of the following sizes: 5, 6, 7, 8, 10, 12, 14, 17mm
- Forged Chrome Vanadium steel sockets with S2 steel hex bits.
- Sockets heat treated and chrome plated for resistance to corrosion
- Satin finish with knurled ring to assist gripping socket with oily fingers.
- Supplied with steel carry case for storage.

(l). Internal and external circlip plier set

Professional quality circlip plier set consisting of

- 180mm internal straight circlip plier
- 170mm internal circlip plier with 90 degree angled tip
- 180mm external straight circlip plier
- 170mm external circlip plier with 90 degree angled tip
- Canvas storage roll bag or case

(m). ½ inch Square drive fine toothed quick release soft grip reversible ratchet

Professional grade. Manufactured from chrome vanadium steel, hardened and chrome plated for corrosion protection. 72 tooth ratchet mechanism (minimum). 270 mm length or longer.

(n). ½ inch Square drive extra-long soft grip reversible quick release ratchet

48 tooth ratchet mechanism (minimum). Quick release feature. 385mm length or longer.

(o). ½ inch Square drive 1000mm flexible handle

Manufactured from chrome vanadium steel, hardened, tempered and chrome plated. Chrome molybdenum hinged joint head for high torque.

(p). 4 Piece VDE approved electrically insulated plier set

Should include:

1. 170 mm Wire stripper pliers
2. 175 mm Diagonal (side cutter) pliers
3. 165 mm combination pliers
4. 160 mm Long Nose Pliers

Each plier should have a durable bi-material handle with electrical insulation properties compliant to EN, IEC and VDE standards. The pliers should be compliant with DIN and ANSI standards. Should be safe to use at up to 1000 Volts AC.

(q). Adjustable spanner set

Crescent type adjustable spanners manufactured from carbon steel hardened, tempered with micro nickel finish or satin. Each adjustable spanner should feature a metric scale on its head. The set should consist of a minimum of three adjustable spanners with a length of 150mm, 200 mm, and 300 mm respectively.

(r). Nut spinner/ Nut driver set with durable soft grip handle

The set should be manufactured from chrome vanadium steel that has been hardened and tempered for strength. Each nut-spinner socket should have a hex on the base to facilitate additional torqueing with a spanner. Each nut-spinner should have an ergonomic soft grip handle for the users comfort. The set should feature at least the following metric nut-spinner sizes: 5 mm, 6mm, 7mm, 8 mm, 9 mm, 10 mm, and 13 mm

(s). Lockable professional grade steel drawer tool chest

The tool chest should have at least 8 drawers. The entire tool chest should be manufactured from heavy duty steel sheets, powder coated, and cured in red. All drawers should be fitted with EVA foam or equivalent padding to protect the tools. Each drawer should seat on ball bearing runners to facilitate smoother operation of the drawer, and longevity. The tool chest should feature a secure locking system that locks all drawers from a single lock, and be supplied with two keys. The tool chest should feature 5 drawers with dimension of 590 mm (length) by 370 mm (width) by 80 mm (height) or any other 5 drawer arrangement, 2 drawers with dimension of 270 mm (length) by 370 mm (width) by 125 mm (height), and 1 drawer with dimension of 270 mm (length) by 370 mm (width) by 150 mm (height) or any arrangement with equivalent storage volume. The dimensions for the entire tool chest should not exceed 1015 mm by 405 mm by 550 mm.

(t). A Laptop and ECM diagnostic kit complete with all connectors and software (In English). User training on this is **mandatory**, indicate logistics of undertaking it. Minimum specifications for Laptop are; **Processor:** 8th Generation Intel Core i7 @ 2.2 GHz, **Hard Disk:** 500B SSD, **Graphics Chipset:** Intel HD graphics, **Operating System:** Windows 10, 64-bit professional, **RAM:** 16 GB, **Screen Size:** 15.6 Inches, 4K Display.

NB: The above tools form one major **SET**. Each generator shall be supplied complete with its own major SET.

1.10 General

1.10.1 Spare Parts

Spare parts should be made available for supply on order for a period of at least 5 Years. A letter of guarantee on availability of all spare parts at least for five years for the model provided shall be provided by the supplier. Current price list of major spare parts and frequently used spare parts **must** be provided.

1.10.2 Warranty

- a) Twelve months comprehensive warranty from the date of delivery, installation & Commissioning

1.10.3 Submission of technical documents with the offer,

- (a) Manufacture's original technical literature for the Alternator and Engine separately.
- (b) At least ISO 9001 certification for the generator from the manufacturer.
- (c) List of past experience (i.e.; details of customer list for the quoted model in Kenya).

1.10.4 Acceptance test for the generator shall be done by KenGen's technical experts.

TECHNICAL DATA SHEET FOR 250 KVA DIESEL GENERATOR COMPLETE WITH AUTOMATIC SWITCH CHANGE OVER, EXHUAST SYSTEM AND MAINTENANCE TOOLS, TO BE FILLED BY TENDERER

Engine

- 01. Make/Brand:
- 02. Model:
- 03. Type and Cylinder:
- 04. Bore x Stroke:
- 05. Compression ratio :.....
- 06. Starting system:
- 07. Type of governor:
- 08. Rated speed:
- 09. Type of cooling system:
- 10. Type of radiator:
- 11. Prime power rating : kW
- 12. Engine Speed :.....
- 13. Continuous Rated Output (kW):
- 14. Displacement (Ltr)

15. Average fuel consumption (on full load)(Litres per Hour).

13. Type of lube oil used:

14. Type of fuel proposed:

15. Country of Manufacturer:.....

(Manufacture's literature to prove above figures shall be submitted)

16. Availability of Protection for the following, fill **(Yes/No)**

(a) Low oil pressure.

(b) High water temperature.....

(c) Over speed

Alternator

1. Make/Brand:

2. Model:

3. Exciter:

4. Excitation System:

5. Country of manufacturer:

6. Output in KVA: Prime

7. Class of insulation:

8. A.V.R Model:

9. Material of cooling fan:

10. Type of protections: Availability, fill **(Yes/No)**

(a) Over/under current

(b) Over/under voltage

Switch gear

1. Brand/Make of Change Over Switch:

2. Rating of generator circuit breakers (A):
3. Number of poles of generator circuit breakers:
4. Make of generator circuit breakers:
5. Make of DB Panel Main Incomer circuit breakers:.....
6. Rating of DB Panel Main Incomer circuit breakers (A):.....
7. No. of outgoing feeder circuits for load DB panel:

(Manufacture’s literature to prove above figures shall be submitted)

Availability of meters and indicators:

Availability; fill (Yes/No)

- (a) Tacho meter
- (b) Frequency meter
- (c) Hour run recorder
- (d) Lube. oil pressure gauge
- (e) Water temperature gauge
- (f) Duty selector switch
- (g) Ammeter with phase selector switch (RYB)
- (h) Voltmeter with phase selector switch (RYB)
- (i) kW meter
- (j) kWh meter
- (k) Power factor meter
- (l) Emergency stop push button
- (m) Lamp test button
- (n) Tickle charge complete with Ammeter
- (o) Low oil pressure shut down indication
- (p) High water temperature shut down indication

- (q) Over speed shut down indication
- (r) Over current trip indication
- (s) Over voltage trip indication
- (t) Fail to start indication
- (u) Mains available indication
- (v) Mains on load indication
- (w) Generator on load indication
- (x) Indication reset button
- (y) Audio Alarm
- (z) Please clearly state whether the control system and protection system consist of discrete relays or electronic integrated modules:

Fuel Tank

- 1. Capacity:
- 2. Type of mounting:
- 3. Type of manual feed pump:

Complete Generator Set

- 1. Name of Manufacturer
- 2. Country of manufacture:
- 3. Noise level (dB) at 10 m distance:
- 4. Output in kVA: Prime.....Standby.....
- 5. Fuel consumption in liters per hour at:
 - (a) 25% load
 - (b) 50% Load
 - (c) 75% load.....
 - (d) 100% load.....
 - (e) 110% load.....

6. Generator Battery Capacity :

(Manufacture's literature to prove above figures shall be submitted)

General

1. Type of guarantee and warranty for whole plant available:

.....

2. Please indicate deviations from commercial conditions if any:

(a)

(b)

(c)

(d)

3. Please indicate deviations from the technical specifications if any:

(a)

(b)

(c)

(d)

4. List of maintenance spares provided **free of charge** if any:

(a)

(b)

(c)

(d)

5. List of Maintenance tools **unable to supply** (if any, state reason):

(a)

(b)

(c)

(d)

6. Availability of documents with the offer:

Availability, indicate (Yes/No)

(a) Originals of manufacture's technical literature for;

(1) Engine

(2) Alternator

(b) Sketch of the arrangement indicating all major equipments of generator

(c) Sketch of daily service fuel tank

(d) List of tools

(e) Accreditation certificate of generator manufacture
(ISO 9001 or Equivalent standard)

(f) Certificate of compliance to the commercial conditions

(g) Certificate of compliance to the technical specifications

7. Please state whether you agree to submit the following documents with the generator at the time of **delivery**:

Availability, Indicate (Yes/No)

(a) Circuit diagrams of the generator, control panel & Load Distribution Panel:

(b) Engine wiring diagram

(c) Operation & Maintenance Manuals in English for;

(1) Engine

(2) Alternator

(d) Spare parts catalogue in English for;

(1) Engine

(2) Alternator

(e) Manufacture's factory load test Certificate for generator

8. Specifications and Brand/Make of Laptop supplied,

(a) Make.....

(b) Hard Disc Capacity.....

(c) Processor Make.....Speed.....

(d) RAM.....OS.....

(e) Screen size.....

9. Please state whether the engine, alternator, control panel and other accessories offered are brand new and not used ones:.....

10. Validity period of the offer:.....

11. Period of job completion after giving the order:

12. List of customers in Kenya to whom generators (of the same capacity or above) have been supplied:

(a).....

(b).....

(c).....

(d).....

Summary of technical particulars for 250KVA Diesel Driven Generator filled by:

Signature and Stamp of Tenderer.....

SCHEDULE B: SUPPLY OF 20kVA GENERATOR

1.2 System parameters

Nominal Voltage - 400/230 VAC, 3 Phase & Neutral

System frequency - 50 Hz

Method of earthing - Neutral solidly earthed

Rated Prime Power (PRP) – 20 kVA (16 kW)
Rated Standby Power (ESP) – 20 kVA (17.2 kW)
Rated Current (PRP) – 28.9 A
Rated Power Factor (Lagging) – 0.8

1.3 Applicable Standards

Latest publication of the following standards is applicable.

- ISO3046 -RIC engines –performance (=BS 5514)
- ISO8528, BS4999, BS5000PT99, AS1359
- ISO 9001 -Quality Assurance Regulations
- IEC 60034 -Rotating Electrical Machines (=BSEN60034)
- IEC 60255 -Electrical relays (BS5992)

IEC 60439 -Low voltage switch gear & control gear

- BS 5000-3 -Generator to be driven by RIC engine
- BS5625(STD 12.5) –Rotator balance

1.4 Fuel Tank

A daily service floor mounted type (with a base of approx.12” height) fuel tank with a minimum capacity for 24 hour operation without refilling, complete with necessary fuel pipes (minimum 5 meters) with connectors to engine and also for overflow line should be supplied. It should be made out of at least 1/8” thick sheet metal and should be provided with drain, vent and manhole with a suitable size to enable to clean the tank. A suitable fuel gauge should also be provided to indicate quantity of fuel available. A fuel filter (duplex) with water separator should also provide for the fuel feed pipe to the engine.

1.5 Canopy

The canopy should be fully weather proof and made out of at least SWG 16 metal sheets with lockable type doors with sufficient internal accessibility to carry out routine maintenance. The entire canopy should be treated with corrosion preventive coating, be of extremely rugged construction with internally mounted exhaust silencers. The inner surface of the canopy should be lined with suitable acoustic material to reduce the noise level to stage 2 compliant to European Community directive 2000/14/EC or equivalent at full load operating conditions at any direction. The front and sides of the canopy should be able to be removed when necessary. It should have lifting points provision for Cranes at the top. The frame should be spillage free.

1.6 Trailer and Lighting Mast

The diesel engine driven generator and lighting mast/tower should be both mounted on the same trailer. The trailer should be MIG welded, uni-body-style, with four stabilizing legs and wheels. The stabilizing legs should be extendable and retractable, and feature latch pins to hold their position once a desired extension has been achieved. The lighting mast/tower should be telescopic / extendable, or offer a similar function capable of compacting the lighting mast to facilitate ease of transportation. The lighting mast should be able to extend to a maximum height of no less than 9 metres. The lighting mast should feature no less than six (6) halogen projectors

or equivalent LED projectors. Each halogen projector should be no less than 1000 Watts. The projectors combined should be able to achieve a luminosity of 198,000 lumens. When fully deployed with the stabilizing legs fully extended, the entire system should be able withstand winds of up to 80 km/h. The lighting mast should be able to rotate up to 355°, and have a feature to lock the mast at a desired direction. The mechanism for raising the mast should be easy to operate, preferably manual. The light tower shall be easy to operate, extremely light and maneuverable making it simple to position at any desired location for optimal lighting. The trailer frame, and light tower should be warm weather galvanized and suitable for operation both on road and off road. The trailer's tyres should have a rim radius not less than 14 inches and a section width not less than 185mm.

1.7 General

1.7.1 Spare Parts

Spare parts should be made available for supply on order for a period of at least 5 Years. A letter of guarantee on availability of all spare parts at least for five years for the model provided shall be provided by the supplier. Current price list of major spare parts and frequently used spare parts **must** be provided.

1.7.2 Warranty

- (f) Twelve months comprehensive warranty from the date of delivery, installation & Commissioning

1.7.3 Mandatory submission of Technical Documents with the offer,

- (a) Manufacture's original technical literature for the **Alternator** and **Engine** separately.
- (b) Spare Parts catalogue for the **Alternator** and **Engine** separately.
- (c) Operation and Maintenance manuals for the **Alternator** and **Engine** separately.
- (d) Manufacturer's **factory load test certificate** for the generator
- (e) At least ISO 9001 certification for the generator from the manufacturer.
- (f) List of past experience (i.e.; details of customer list for the quoted model in Kenya).
- (g) Technical literature for all the maintenance tools

1.7.4 Acceptance test for the generator shall be done by KenGen's technical experts.

1.9 Maintenance Tools

The generator unit shall be supplied with a complete major set of tools. The tools should consist of the following;

Datasheets should be provided for all tool items with the tenderer's proposed item highlighted with reference to the below list (i.e. Section V, 1.9(a))

(a). 6- 32 mm metric combination spanners with 12 point (bi-hexagonal) ring

Forged from chrome vanadium steel, hardened, tempered and chrome plated for corrosion protection. They should be supplied with a storage pouch with pockets. Ring end offset at 15°. Jaw offset at 15°. The set should consist of at least 24 different sizes suitable for industrial/professional work. Sizes of each spanner should be stamped or forged on to each individual spanner. All the spanners should conform to DIN 3113 standard, or ASME B107.6, or an equivalent standard.

The set should include a minimum of the following sized spanners: 6mm,7mm, 8mm, 9mm, 10mm,11mm,12mm, 13mm,14mm, 15mm,16mm, 17 mm, 18mm, 19 mm, 20mm, 21mm, 22mm, 23mm, 24mm, 25mm, 26mm, 27mm, 28mm, 30mm and 32mm

(b). 6-32mm metric double open ended Spanner set

Forged from chrome vanadium steel, hardened, tempered, chrome plated, for corrosion protection. Open ends offset at 15°. The set should consist of at least 12 pieces and 24 different sizes. The set should be suitable for industrial/professional work. Sizes of each spanner should be stamped or forged on to each individual spanner. All the spanners should conform to DIN 3110 standard or an equivalent standard.

The set should include a minimum of the following sized spanners: 6 mm x 7mm, 8mm x 9mm, 10mm x 11mm, 12 mm x 13 mm, 14mm x 15 mm, 16mm x 17mm, 18mm x 19mm, 20mm x 22mm, 21mm x 23mm, 24mm x 27mm, 25mm x 28mm, 30mm x 32mm

(c). 6-32mm metric bi-hexagonal (12 point) deep offset ring spanner set

Long pattern forged from chrome vanadium steel, hardened, tempered, chrome plated for corrosion protection. The set should consist of at least 12 pieces and 24 different sizes. The set should be suitable for industrial/professional work. Sizes of each spanner should be stamped on to each individual spanner. All the spanners should conform to DIN 838 standards or an equivalent standard.

The set should include a minimum of the following sized spanners: 6 mm x 7mm, 8mm x 9mm, 10mm x 11mm, 12 mm x 13 mm, 14mm x 15 mm, 16mm x 17mm, 18mm x 19mm, 20mm x 22mm, 21mm x 23mm, 24mm x 27mm, 25mm x 28mm, 30mm x 32mm

(d). ½ (half) inch square drive bi-hexagonal (12 point) Imperial and metric socket set complete with ratchet and handles.

Each socket should be manufactured from correctly hardened, and tempered, chrome vanadium steel

i) Should consist of no less than 20 metric ½ inch square drive bi-hexagonal (12 point) sockets, size range: 8mm-32mm.

ii) Should consist of no less than 10 imperial ½ inch square drive bi-hexagonal (12 point) sockets, size range: 7/16 to 1 inch

iii) Should consist of no less than 3 spark plug socket sizes 10 mm, 12 mm and 14 mm

- iv) The set should be supplied with at least one reversible ratchet with quick release button. The ratchet should feature a 72 tooth ratchet mechanism or better (a ratcheting mechanism with more teeth).
- v) The set should be supplied with at least 3 extension bars, sizes: 75 mm long, 150 mm long and 250 mm long
- vi) At least one sliding T-handle or flexible handle not less than 250 mm long
- vii) One universal joint
- viii) Should be supplied in heavy duty steel carry case or equivalent

The entire socket set should be manufactured and tested in accordance with DIN3122 and ISO3315 specifications

(e) VDE Approved Electrically insulated screw driver set

- The set should consist of at least 10 individual screwdrivers
- There should be at least six (6) slot screwdriver sizes with blade sizes ranging from 2mm to 6.5 mm.
- There should be at least four (4) Philips screwdriver sizes. Sizes PH0, PH1, PH2 and PH3
- Each screwdriver should have a cushioned high grip dual material handle.
- Each screwdriver blade should be made from chrome-vanadium-molybdenum alloyed steel, hardened, with a black oxide finish.
- All the screwdrivers should be insulated in accordance to ASTM and VDE standards and certified for use at voltage up to 1000 V (AC) and 1500 V (DC)

(f) Long Arm Imperial and Metric Allen Hex Key Set with Ball End

Should meet or exceed the following requirements:

- Should include a minimum of the following SAE/Imperial Sizes: INCH 0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8
- Should include a minimum of the following METRIC Sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
- Each hex key should feature one Flat hex end and one Ball-End to permit entry angles up to 25°
- All the hex keys should be made from heat treated, tempered, Alloy Steel providing High Strength and Resistance to Rotational Distortion
- Each key should have a black oxide finish
- The set should have a non-interference hinged holders to store and access keys or a pouch

(g) Long Arm Torx Key Set

Should meet or exceed the following requirements:

- Should include a minimum of the following sizes: T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40
- Heat treated, tempered, Alloy Steel for high strength and resistance to rotational distortion
- Black oxide finish
- Non-Interference Hinged holder to store and access keys

(h) True RMS Digital Multi-meter

The multi-meter should have the following features

- Manual and automatic ranging
- Display hold and auto hold

- Frequency and capacitance measurements
- Resistance, continuity, and diode measurements
- Temperature measurement
- Min-max-average recordings
- Ergonomic case with integrated protective holster
- Backlight for work under low and dim lighting
- Should come with a carry case for the multi-meter and its support accessories
- The meter should be a true RMS type meter capable of measuring nonlinear electrical signals
- Battery powered

The meter should be able to measure the following quantities and meet or exceed the following measurement standards

Type Of Measurement	Standard and quality of Measurements
Voltage DC	Accuracy: $\pm (0.09\% + 2)$
	Max Resolution: 0.1 mV
	Range: 1000 V
Voltage AC	Accuracy: $\pm (1.0\% + 3)$
	Max Resolution: 0.1 mV
	Max Test Voltage: 1000 V
Current DC	Accuracy: $\pm (1.0\% + 3)$
	Max Resolution: 0.01 mA
	Max Test Current : 10 A
Current AC	Accuracy: $\pm (1.5\% + 3)$
	Max Resolution: 0.01 mA
	Max Test Current : 10 A
Resistance	Accuracy: $\pm (0.9\% + 1)$
	Max Resolution: 0.1 Ohms
	Max Test Resistance : 50 Mega Ohms
Capacitance	Accuracy: $\pm (1.2\% + 2)$
	Max Resolution: 1 nano-farads
	Max Test Capacitance: 10 milli-farads
Frequency	Accuracy: $\pm (0.1\% + 1)$
	Max Resolution: 0.01 Hz
	Max Test Frequency : 100 kHz
Temperature	Accuracy: $\pm (1.0\% + 10)$
	Max Resolution: 0.1 °C
	Testable Temperature Range : -40 °C to 400 °C

Safety Specifications:

Overvoltage category: EN 61010-1 to 1000 V CAT III, EN 61010-1 to 600 V CAT IV

Agency approvals: UL, CSA, TUV listed

(i) True RMS AC/DC Clamp Meter

The clamp meter should have the following features:

- The meter should be a true RMS type meter capable of measuring nonlinear electrical signals

- The meter should be able to measure AC and DC up to 1000 A via its main jaw/clamp
- The meter should have a flexible clamp/current probe accessory to facilitate measurement of AC and DC up to 2500 A.
- The meter should be able to measure AC and DC voltages up to 1000V
- The meter should be able to perform frequency measurement up to 500 HZ via it main jaw and flexible clamp
- The meter should be able to test capacitance up to 1000 micro-farads, resistance upto 60 kilo-ohms,
- The meter should have a feature to record min, max, average and inrush current in test signals automatically
- Battery powered

The meter should be able to measure the following quantities and meet or exceed the following measurement standards

Type Of Measurement	Standard and quality of Measurements
AC Current Via Body Jaw	Accuracy: 2.5 % \pm 5 digits (10 Hz to 100 Hz) Accuracy: 2.5 % \pm 5 digits (100 Hz to 500 Hz)
	Max Resolution: 0.1 A
	Range: 999.9 A
	Crest Factor (50 Hz/ 60 Hz) : 3 @ 500 A, 2.5 @ 600 A
AC Current Via Flexible Current Probe	Range: 2500 A
	Resolution: 0.1 A (\leq 600 A) , 1 A (\leq 2500 A)
	Accuracy: 3% \pm 5 digits (5 Hz to 500 Hz)
	Crest Factor (50 Hz/60 Hz) : 3.0 at 1100 A, 2.5 at 1400 A, 1.42 at 2500 A
DC Current	Range: 999.9 A
	Resolution: 0.1 A
	Accuracy: 2% \pm 5 digits
AC Voltage	Range: 1000 V
	Resolution: 0.1 V (\leq 600 V) , 1 V (\leq 1000 V)
	Accuracy: 1.5% \pm 5 digits
DC Voltage	Range: 1000 V
	Resolution: 0.1 V (\leq 600 V) , 1 V (\leq 1000 V)
	Accuracy: 1% \pm 5 digits
DC Voltage (mV Range)	Range: 500 mV
	Resolution: 0.1 mV
	Accuracy: 1% \pm 5 digits
Frequency Via Jaw	Range: 5.0 Hz to 500.0 Hz
	Resolution: 0.1 Hz
	Accuracy: 0.5% \pm 5 digits
	Trigger Level: 5 Hz to 10 Hz, \geq 10 A, 10 Hz to 100 Hz, \geq 5 A, 100 Hz to 500 Hz, \geq 10 A
Frequency Via Flexible Current Probe	Range: 5.0 Hz to 500.0 Hz
	Resolution: 0.1 Hz
	Accuracy: 0.5% \pm 5 digits

	Trigger Level: 5 Hz to 20 Hz, ≥ 25 A, 20 Hz to 100 Hz, ≥ 20 A, 100 Hz to 500 Hz, ≥ 25 A
Safety Compliance Standards	CAN/CSA-C22.2 No. 61010-1-04 ANSI/UL 61010-1:2004 ANSI/ISA-61010-1 (82.02.01):2004 EN/IEC 61010-1:2001 to 1000V Measurement Category (CAT) III 600V Measurement Category (CAT) IV Pollution Degree 2 EN/IEC 61010-2-032:2002 EN/IEC 61010-031:2002+A1:2008

Agency Approvals: UL, CSA, TUV listed

(j). General Purpose Screwdriver Set

Each screwdriver should be made from hardened chrome vanadium molybdenum steel (SVCM) with satin chrome plated blades and sand blasted tips. The handle should be made from a soft grip polymer and color coded to facilitate easy identification of the screwdrivers. The set should feature no less than 20 screw drivers. The set should feature the following screw driver types and sizes:

- i) The set should consist of at least six (6) plain slot screwdrivers with blade tip width ranging from 3mm to 8mm, and screwdriver shafts ranging from 75mm to 150 mm.
- ii) The set should consist of at least three (3) Phillips (cross) screwdrivers: PH1, PH2 and PH3
- iii) The set should consist of at least three (3) Pozidriv screwdrivers: PZ1, PZ2 and PZ3
- iv) The set should consist of at least six (6) torx-star (TX-star) screwdrivers: T6, T8, T10, T15, T20 and T25
- v) The set should consist of at least one (1) plain slot/phillips angle screwdriver of hybrid z screwdriver
- vi) Four way Plain and slot screwdriver disc

The set should be supplied with a storage case able to hold the entire screwdriver set.

(k) Metric 1/2 inch Square Drive Hex Bit Set

Should meet or exceed the following requirements:

- Should include a minimum of the following sizes: 5, 6, 7, 8, 10, 12, 14, 17mm
- Forged Chrome Vanadium steel sockets with S2 steel hex bits.
- Sockets heat treated and chrome plated for resistance to corrosion
- Satin finish with knurled ring to assist gripping socket with oily fingers.
- Supplied with steel carry case for storage.

(l) Internal and external circlip plier set

Professional quality circlip plier set consisting of

- 180mm internal straight circlip plier
- 170mm internal circlip plier with 90 degree angled tip
- 180mm external straight circlip plier

- 170mm external circlip plier with 90 degree angled tip
- Canvas storage roll bag or case

m) ½ inch Square drive fine toothed quick release soft grip reversible ratchet

Professional grade. Manufactured from chrome vanadium steel, hardened and chrome plated for corrosion protection. 72 tooth ratchet mechanism (minimum). 270 mm length or longer.

n) ½ inch Square drive extra-long soft grip reversible quick release ratchet

48 tooth ratchet mechanism (minimum). Quick release feature. 385mm length or longer.

o) ½ inch Square drive 1000mm flexible handle

Manufactured from chrome vanadium steel, hardened, tempered and chrome plated. Chrome molybdenum hinged joint head for high torque.

p) 4 Piece VDE approved electrically insulated plier set

Should include:

1. 170 mm Wire stripper pliers
2. 175 mm Diagonal (side cutter) pliers
3. 165 mm combination pliers
4. 160 mm Long Nose Pliers

Each plier should have a durable bi-material handle with electrical insulation properties compliant to EN, IEC and VDE standards. The pliers should be compliant with DIN and ANSI standards. Should be safe to use at up to 1000 Volts AC.

q) Adjustable spanner set

Crescent type adjustable spanners manufactured from carbon steel hardened, tempered with micro nickel finish or satin. Each adjustable spanner should feature a metric scale on its head. The set should consist of a minimum of three adjustable spanners with a length of 150mm, 200 mm, and 300 mm respectively.

(r). ¼ (quarter) inch square drive hexagonal (6 point) Imperial and metric socket set complete with ratchet and handles.

Each socket should be manufactured from correctly hardened, and tempered, chrome vanadium steel

- i) Should consist of no less than 12 metric ¼ inch square drive hexagonal (6 point) sockets, size range: 4mm-13mm.
- ii) Should consist of no less than 9 imperial ¼ inch square drive hexagonal (6 point) sockets, size range: ¼ to ½ inch
- iii) At least one spinner handle
- iv) At least one ¼ inch square drive by ¼ inch hex bit holder
- v) At 4 plain slot inserts bits, sizes: 3, 4, 5.5, 6.5 mm
- vi) At least 2 cross (Philips) slot insert bits no. 1, 2
- vii) At least 2 PZ (pozidriv) slot insert bits no. 1, 2
- viii) At least 3 torx star (TX- Star) insert bits no. T15, T20, T25
- ix) The set should be supplied with at least one reversible ratchet with quick release button. The ratchet should feature a 72 tooth ratchet mechanism or better (a ratcheting mechanism with more teeth).

- x) The set should be supplied with at least 3 extension bars, sizes: 50 mm long, 100 mm long and 150 mm long
- xi) At least one sliding T-handle or flexible handle
- xii) One universal joint
- xiii) Should be supplied in a tough blow molded storage case

The entire socket set should be manufactured and tested in accordance with DIN3122 and ISO3315 specifications

s) Lockable professional grade steel drawer tool chest

The tool chest should have at least 8 drawers. The entire tool chest should be manufactured from heavy duty steel sheets, powder coated, and cured in red. All drawers should be fitted with EVA foam or equivalent padding to protect the tools. Each drawer should seat on ball bearing runners to facilitate smoother operation of the drawer, and longevity. The tool chest should feature a secure locking system that locks all drawers from a single lock, and be supplied with two keys. The tool chest should feature 5 drawers with dimension of 590 mm (length) by 370 mm (width) by 80 mm (height) or any other 5 drawer arrangement, 2 drawers with dimension of 270 mm (length) by 370 mm (width) by 125 mm (height), and 1 drawer with dimension of 270 mm (length) by 370 mm (width) by 150 mm (height) or any arrangement with equivalent storage volume. The dimensions for the entire tool chest should not exceed 1015 mm by 405 mm by 550 mm.

1) 20KVA DIESEL GENERATOR

TECHNICAL SPECIFICATIONS

A brand new tropicalized continuous variable operation type 20kVA, 230/400 VAC prime powered silent (Max. 71 dB at 7m) **towable** diesel engine driven generator mounted on an on-road trailer which should be MIG welded, unibody-style with four point leveling system (stabilization legs) and wheels. The generator should be complete with an extendable light tower complete with six (6 No.) weather proof (IP67) halogen projectors of each 1000W or equivalent LED lamps (should meet the luminosity requirements). The light mast shall be able to extend vertically for a minimum height of 9 metres and can be rotated 355°. The light tower shall be easy to operate, extremely light and maneuverable making it simple to position at any desired location for optimal work area lighting. The light mast shall be able to be folded easily and laid well on top of the generator during transportation with firm and cushioned resting points. The mechanism for raising the mast should be easy to operate, preferably manual.

The generator shall have wide **service doors** and **electrical cubicle for control and protection** complete with **single and three phase power supply** take-off sockets rated between **5A to 32 A**. The trailer's tyres should have a rim radius not less than 14 inches and a section width not less than 185 mm.

TECHNICAL DATA SHEET FOR 20 KVA DIESEL GENERATOR COMPLETE WITH ON-ROAD CARRIAGE, LIGHT TOWER AND MAINTENANCE TOOLS, TO BE FILLED BY TENDERER

Engine

01. Make/Brand:.....
02. Model:
03. Starting system:
04. Rated speed:
05. Type of cooling system:
06. Prime power rating:.....KW at.....C° temp &m altitude.
07. Continuous Rated Output (KW):
08. Average fuel consumption (on full load)(Litres per Hour).
09. Type of lube oil used:
10. Country of Manufacturer:.....

(Manufacture's literature to support above parameters shall be submitted)

11. Availability of Protection for the following, fill (Yes/No)

- (a) Low oil pressure.
- (b) High water temperature.
- (c) Over speed

Alternator

- 01. Make/Brand:
- 02. Model:
- 03. Excitation System:
- 04. Output in KVA: Prime
- 05. Class of insulation:.....
- 06. A.V.R Model:
- 07. Country of manufacturer:
- 08. Type of protections: Availability, fill (Yes/No)
 - (c) Over/under current
 - (d) Over/under voltage

Lights Tower

- 1. Maximum vertical height of mast:(in metres, when fully extended)
- 2. Type of lamps:
- 3. Wattage of lamps:
- 4. Number of lamps:
- 5. Total Luminosity of Lamps Combined (in Lumens):

5. Trailer

- 1. Tyre Sizes:
- 2. Type of tow hitch:
- 3. Number of stabilizing legs:.....

4. Type of stabilizing system:

Complete Generator Set

1. Name of Manufacturer

2. Country of manufacture:

3. Noise level (dB) at 7 m distance:

4. Output in kVA: Prime.....Standby.....

5. Fuel consumption in liters per hour at:

(f) 25% load

(g) 50% Load

(h) 75% load.....

(i) 100% load.....

(j) 110% load.....

6. Generator Battery Capacity:

(Manufacture’s literature to support above parameters shall be submitted)

General

1. Type of guarantee and warranty for whole plant available:

.....

2. Please indicate deviations from commercial conditions, if any:

(a)

(b)

(c)

(d)

3. Please indicate deviations from the technical specifications, if any:

(a)

- (b)
- (c)
- (d)

4. List of maintenance spares provided **free of charge**, if any:

- (a)
- (b)
- (c)
- (d)

5. List of maintenance tools **unable to supply** (if any, state reason):

- (a)
- (b)
- (c)
- (d)

6. Availability of documents with the offer: **indicate (Yes/No)**

(a) Originals of manufacturer’s technical literature for;

(1) Engine

(2) Alternator.....

(b) Sketch of the arrangement indicating all major equipment of generator

(c) List of tools.....

(d) Certificate of compliance to the technical specifications.....

7. Please state whether you agree to submit the following documents with the generator at the time of **delivery**:

Availability, Indicate (Yes/No)

(a) Circuit diagrams of the generator, control panel & Load Distribution Panel:

- (b) Engine wiring diagram
- (c) Operation & Maintenance manuals in English for;
 - (1) Engine
 - (2) Alternator
- (d) Spare parts catalogue in English for;
 - (1) Engine
 - (2) Alternator
- (k) Manufacture's factory load test Certificate for generator.....

8. List of customers in Kenya to whom generators (of the same capacity or above) have been supplied:

- (a).....
- (b).....
- (c).....
- (d).....

Summary of technical particulars for 20KVA Diesel Driven Generator filled by:

Signature and Stamp of Tenderer.....

SECTION VI

SCHEDULE OF REQUIREMENTS

Notes Applicable To All Schedules

Mandatory Requirements during Equipment Delivery:

(a) Parts Manual in **English**

(b) Operation and Maintenance Manual in **English** (Both in soft and hard copies)

SCHEDULE A			
No.	Description	Quantity	Delivery Schedule Shall be within 6 months (indicate delivery period)
1.	250 kVA mobile diesel driven generator with collapsible light tower all mounted on a single trailer chassis	1 (Set)	
Maintenance Tools			
2.	6- 32 mm metric combination spanners with bi-hexagonal (12 point) ring	5 (Pieces)	
3.	6-32mm metric double open ended spanner set	5 (Pieces)	
4.	6-32mm metric bi-hexagonal (12 point) deep offset ring spanner set	5 (Pieces)	
5.	½ inch square drive bi-hexagonal (12 point) Imperial and metric socket set complete with ratchet and handles	5 (Pieces)	
6.	VDE Approved Electrically insulated screw driver set	5 (Pieces)	
7.	Long Arm Imperial and Metric Allen Hex Key Set with Ball End	10 (Pieces)	
8.	Long Arm Torx Key Set	10 (Pieces)	
9.	True RMS Digital Multi-meter	5 (Pieces)	
10.	True RMS AC/DC Clamp Meter	5 (Pieces)	
11.	General Purpose Screwdriver Set	10 (Pieces)	
12.	Metric ½ inch Square Drive Hex Bit Set	5 (Pieces)	
13.	Internal and external circlip plier set	10 (Pieces)	
14.	½ inch Square drive fine toothed quick release soft grip reversible ratchet	10 (Pieces)	
15.	½ inch Square drive extra-long soft grip reversible quick release ratchet	10 (Pieces)	
16.	½ inch Square drive 1000mm flexible handle	10 (Pieces)	
17.	4 Piece VDE Approved electrical insulated plier set	10 (Pieces)	
18.	Adjustable spanner set	10 (Pieces)	

19.	¼ (quarter) inch square drive hexagonal (6 point) Imperial and metric socket set complete with ratchet and handles	10 (Pieces)	
20.	Lockable professional grade steel drawer tool chest	5 (Pieces)	
21.	Laptop with ECM diagnostic kit	2 (Pieces)	

SCHEDULE B			
No.	Description	Quantity	Delivery Schedule shall be within 6 months (indicate delivery period)
1.	20 kVA mobile diesel driven generator with collapsible light tower all mounted on a single trailer chassis	1 (Set)	
Maintenance Tools			
1.	6- 32 mm metric combination spanners with bi-hexagonal (12 point) ring	5 (Pieces)	
2.	6-32mm metric double open ended spanner set	5 (Pieces)	
3.	6-32mm metric bi-hexagonal (12 point) deep offset ring spanner set	5 (Pieces)	
4.	½ inch square drive bi-hexagonal (12 point) Imperial and metric socket set complete with ratchet and handles	5 (Pieces)	
5.	VDE Approved Electrically insulated screw driver set	5 (Pieces)	
6.	Long Arm Imperial and Metric Allen Hex Key Set with Ball End	10 (Pieces)	
7.	Long Arm Torx Key Set	10 (Pieces)	
8.	True RMS Digital Multi-meter	5 (Pieces)	
9.	True RMS AC/DC Clamp Meter	5 (Pieces)	
10.	General Purpose Screwdriver Set	10 (Pieces)	
11.	Metric ½ inch Square Drive Hex Bit Set	5 (Pieces)	
12.	Internal and external circlip plier set	10 (Pieces)	
13.	½ inch Square drive fine toothed quick release soft grip reversible ratchet	10 (Pieces)	
14.	½ inch Square drive extra-long soft grip reversible quick release ratchet	10 (Pieces)	
15.	½ inch Square drive 1000mm flexible handle	10 (Pieces)	
16.	4 Piece VDE Approved electrical insulated plier set	10 (Pieces)	
17.	Adjustable spanner set	10 (Pieces)	
18.	¼ (quarter) inch square drive hexagonal (6 point) Imperial and metric socket set complete with ratchet and handles	10 (Pieces)	
19.	Lockable professional grade steel drawer tool chest	5 (Pieces)	

SECTION VII

PRICE SCHEDULES FOR GOODS

SCHEDULE A					
No.	Description	UNIT	QTY	UNIT PRICE	TOTAL COST
1	250kVA Diesel Engine Generator each Complete with Maintenance Tools	Set	2		
2	Fuel Filters	Pc	10		
3	Oil Filters	Pc	10		
4	Fuel Water Separator	Pc	10		
5	Air Cleaner	Pc	5		
6	Coolant Temperature Sensor	Pc	4		
SUB-TOTAL					
Discount (%) if any					
Other Charges e.g. transport, handling, commissioning					
Add 16% VAT					
TOTAL COST Delivery Duty Paid (DDP) to Olkaria Power Station					
Country of Origin					
Currency of Tender					
Delivery Period					

NOTES

- Documentary evidence to prove that the items offered comply with the Technical Specifications must be provided.
- The bids must as per the Technical Specifications in the Tender Document. Bids that do not conform to the Technical Specifications will be disqualified.
- **No Correction of Errors.** 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 or by any person or entity

Signature of tenderer _____ Date_____

Name of Supplier & Rubber Stamp_____

SCHEDULE B					
No.	Description	UNIT	QTY	UNIT PRICE	TOTAL COST
1	20kVA Diesel Engine Generator c/w On Road Carriage Trailer, Lighting Mast and Maintenance Tools	Set	1		
2	Fuel Filters	Pc	10		
3	Oil Filters	Pc	10		
4	Fuel Water Separator	Pc	10		
5	Air Cleaner	Pc	5		
6	Coolant Temperature Sensor	Pc	4		
SUB-TOTAL					
Discount (%) if any					
Other Charges e.g. transport, handling, commissioning					
Add 16% VAT					
TOTAL COST Delivery Duty Paid (DDP) to Olkaria Power Station					
Country of Origin					
Currency of Tender					
Delivery Period					

NOTES

- Documentary evidence to prove that the items offered comply with the Technical Specifications must be provided.
- The bids must as per the Technical Specifications in the Tender Document. Bids that do not conform to the Technical Specifications will be disqualified.
- **No Correction of Errors.** 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 or by any person or entity

Signature of tenderer _____ Date _____

Name of Supplier & Rubber Stamp _____

PRICE SUMMARY

ITEM	SCHEDULE	DESCRIPTION	CURRENCY	TOTAL AMOUNT
1	A	250kVA GenSets		
2	B	20kVA GenSet		

SECTION XI

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 _____

8.2 CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

(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 / 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 (*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 2018.

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 2018.

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 2018.

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 2018

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 or j) – 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 of2018.

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.