



REPUBLIC OF KENYA

**REQUEST FOR BIDS
(SUPPLY)**

EMPLOYER:

MINISTRY OF EDUCATION

P.O BOX 30040-00100

Nairobi

Email: ppo@education.go.ke

PROJECT:

**DEVELOPMENT OF SCHOOLS INFRASTRUCTURE IN
NYAMIRA COUNTY PROJECT (DSINCP)**

CONTRACT TITLE:

SUPPLY OF FURNITURE AND EQUIPMENTS FOR DSINCP

RFB NO.: MOE/DSINCP/NCB/18/2024-2025/018

LOT 18

AUGUST 2024

CATEGORY TO APPLY: OPEN

Please note the important dates under Invitation to Tender

INVITATION TO TENDER

PROCURING ENTITY:

Ministry Of Education
State Department for Basic Education
Jogoo House, P.O. Box 30040 - 00100
Nairobi, Kenya

CONTRACT NAME AND DESCRIPTION: TENDER SUPPLY AND DELIVERY OF FURNITURE AND EQUIPMENTS

The State Department for Basic Education invites sealed bids for the supply and delivery of furniture and equipment in Targeted Schools in Nyamira County

1. Tendering will be conducted under open competitive tendering method using a standardized tender document and is open to all qualified and interested Tenderers.
2. Tender documents may be viewed and downloaded for free from the website (www.education.go.ke and *PPIP portal*). Tenderers who download the tender document must forward their particulars immediately to (ppo@education.go.ke) to facilitate any further clarification or addendum.
3. Tender MUST be accompanied by a Tender Security in the amount of **KSh. 250,000.00** from a reputable Bank/Insurance Company operating in Kenya in the format provided in the tender document.
4. The Tenderer MUST chronologically serialize and initial all pages of the tender documents submitted.
5. Completed tenders must be delivered to the address below on or before **3rd September, 2024 at 10.00 am EAT**
6. Tenders will be opened immediately after the deadline date and time specified above or any deadline date and time specified later. Tenders will be publicly opened in the presence of the Tenderers' designated representatives who choose to attend at the address below.
7. Late tenders will be rejected.
8. The addresses referred to above are:

Address for obtaining further information and Submission of Tenders

Bid Submission: The Principal Secretary
Attn: Head of Supply Chain Management Services State Department for Basic Education
Jogoo House 'B' Ground Floor Room 14, Harambee Avenue
Postal Address: P.O. Box 30040, Nairobi, Kenya Code: 00100, City: Nairobi
Tel: (0)20 318581 Ext.30413
Email: ppo@education.go.ke

Bid Opening:

Street Address: Jogoo House 'B' Harambee Avenue,
Floor, room number: 10th Floor, Big Boardroom
City: Nairobi
Country: Kenya

Head, Supply Chain Management Services
For: Principal Secretary

PART 1 - TENDERING PROCEDURES

SECTION I: INSTRUCTIONS TO TENDERERS

A General Provisions

1. **Scope of Tender**

- 1.1 The Procuring Entity as defined in the TDS invites tenders for supply of goods and, if applicable, any Related Services incidental thereto, as specified in Section V, Supply Requirements. The name, identification, and number of lots (contracts) of this Tender Document are specified in the TDS.
- 1.2 Throughout this tendering document:
- a) the term "in writing" means communicated in written form (e.g., by mail, e-mail, fax, including if specified in the TDS, distributed or received through the electronic-procurement system used by the Procuring Entity) with proof of receipt.
 - b) if the context so requires, "singular" means "plural" and vice versa.
 - c) "Day" means calendar day, unless otherwise specified as "Business Day". A Business Day is any day that is an official working day of the Procuring Entity. It excludes official public holidays.

2. **Fraud and Corruption**

- 2.1 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015, Section 62 "Declaration not to engage in corruption". The tender submitted by a person shall include a declaration that the person shall not engage in any corrupt or fraudulent practice and a declaration that the person or his or her sub-contractors are not debarred from participating in public procurement proceedings.
- 2.2 The Procuring Entity requires compliance with the provisions of the Competition Act 2010, regarding collusive practices in contracting. Any tenderer found to have engaged in collusive conduct shall be disqualified and criminal and/or civil sanctions may be imposed. To this effect, Tenders shall be required to complete and sign the "Certificate of Independent Tender Determination" annexed to the Form of Tender.
- 2.3 Unfair Competitive Advantage - Fairness and transparency in the tender process require that the firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender. To that end, the Procuring Entity shall indicate in the Data Sheet and make available to all the firms together with this tender document all information that would in that respect give such firm any unfair competitive advantage over competing firms.

3. **Eligible Tenderers**

- 3.1 A Tenderer may be a firm that is a private entity, an individual, a state-owned enterprise or institution subject to ITT3.7, or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. Public employees and their close relatives (*wives, children, brothers, sisters and uncles and aunts*) are not eligible to participate in the tender.

In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Tendering process and, in the event the JV is awarded the Contract, during contract execution. The maximum number of JV members shall be specified in the TDS.

- 3.2 Public Officers of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother, or Sister of a Spouse their business associates or agents and firms/organizations in which they have a substantial or controlling interest shall not be eligible to tender or be awarded a contract. Public Officers are also not allowed to participate in any procurement proceedings.
- 3.3 A Tenderer shall not have a conflict of interest. Any Tenderer found to have a conflict of interest shall be disqualified. A Tenderer may be considered to have a conflict of interest for the purpose of this Tendering process, if the Tenderer:
- a) directly or indirectly controls, is controlled by or is under common control with another Tenderer; or
 - b) receives or has received any direct or indirect subsidy from another Tenderer; or
 - c) has the same - representative or ownership as another Tenderer; or
 - d) has a relationship with another Tenderer, directly or through common third parties, that puts it in a position to influence the Tender of another Tenderer, or influence the decisions of the Procuring Entity regarding this Tendering process; or

- e) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods that are the subject of the Tender; or
 - f) or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity or Procuring Entity for the Contract implementation; or
 - g) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the **TDS** ITT 1.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or has a close business or family relationship with a professional staff of the Procuring Entity (or of the project implementing agency, who: (i) are directly or indirectly involved in the preparation of the tendering document or specifications of the Contract, and/or the Tender evaluation process of such Contract; or (ii) would be involved in the implementation or supervision of such Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tendering process and execution of the Contract.
- 34 A tenderer shall not be involved in corrupt, coercive, obstructive, collusive, or fraudulent practice. A tenderer that is proven to have been involved in any of these practices shall be automatically disqualified.
- 35 A firm that is a Tenderer (either individually or as a JV member) shall not submit more than one Tender, except for permitted alternative Tenders. This includes participation as a subcontractor. Such participation shall result in the disqualification of all Tenders in which the firm is involved. A firm that is not a Tenderer or a JV member, may participate as a subcontractor in more than one Tender. Members of a joint venture may not also make an individual tender, be a subcontractor in a separate tender or be part of another joint venture for the purposes of the same Tender.
- 36 A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT3.9. A Tenderer shall be deemed to have the nationality of a country if the Tenderer is constituted, incorporated, or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or sub consultants for any part of the Contract including related Services.
- 37 A Tenderer that has been debarred by the PPRA from participating in public procurement shall be ineligible to tender or be awarded a contract. The list of debarred firms and individuals is available from the PPRA's website www.ppra.go.ke
- 38 Tenderers that are state-owned enterprises or institutions may be eligible to compete and be awarded a Contract(s) only if they are (i) a legal public entity of the state Government and/or public administration, (ii) financially autonomous and not receiving any significant subsidies or budget support from any public entity or Government, and (iii) operating under commercial law and vested with legal rights and liabilities similar to any commercial enterprise to enable it compete with firms in the private sector on an equal basis. Public employees and their close relatives are not eligible to participate in the tender.
- 39 Tenderers may be ineligible if their countries of origin (a) as a matter of law or official regulations, Kenya prohibits commercial relations with that country, or(b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods or contracting for supply of goods or services from that country, or any payments to any country, person, or entity in that country. A tenderer shall provide such documentary evidence of eligibility satisfactory to the Procuring Entity, as the Procuring Entity shall reasonably request.
- 310 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.
- 311 Where the law requires tenderers to be registered with certain authorities in Kenya, such registration requirements shall be defined in the TDS
- 312 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort, or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website www.cak.go.ke.
- 313 A Kenyan tenderer shall provide evidence of having fulfilled his/her tax obligations by producing a current tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority.

4 Eligible Goods and Related Services

- 4.1 All the Goods and Related Services to be supplied under the Contract shall have their origin in any country that is eligible in accordance with ITT 3.9.
- 4.2 For purposes of this ITT, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” include services such as insurance, installation, training, and initial maintenance.
- 4.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured, or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 4.4 A procuring entity shall ensure that the items listed below shall be sourced from Kenya and there shall be no substitutions from foreign sources. The affected items are:
- a) motor vehicles, plant and equipment which are assembled in Kenya.
 - b) furniture, textile, foodstuffs, oil and gas, information communication technology, steel, cement, leather, agro-processed products, sanitary products, and other goods made in Kenya; or
 - c) goods manufactured, mined, extracted, or grown in Kenya.
- 4.5 Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.

5. Sections of Tendering Document

- 5.1 The tendering document consist of Parts 1, 2, and 3, which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITT8.

PART 1: Tendering Procedures

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

PART 2: Supply Requirements

- v) Section V - Schedule of Requirements

PART 3: Contract

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

- 5.2 The notice of Invitation to Tender or the notice to the prequalified Tenderers issued by the Procuring Entity is not part of the tendering document.
- 5.3 Unless obtained directly from the Procuring Entity, the Procuring Entity is not responsible for the completeness of the document, responses to requests for clarification, the minutes of the pre-tender meeting (if any), or addenda to the tendering document in accordance with ITT7.
- 5.4 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tendering document and to furnish with its Tender all information or documentation as is required by the tendering document.

6. Clarification of Tendering Document

- 6.1 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the TDS **or** raise its enquiries during the pre-Tender meeting if provided for in accordance with ITT 6.4. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period specified in the TDS **prior** to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender documents in accordance with ITT 5.3, including a description of the inquiry but without identifying its source. If so specified in the TDS, **the** Procuring Entity shall also promptly publish its response at the web page identified in the TDS. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents following the procedure under ITT 7.

- 62 The Procuring Entity shall specify in the TDS **if** a pre-tender conference will be held, when and where. The Tenderer's designated representative is invited to attend a pre-Tender meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 63 The Tenderer is requested to submit any questions in writing, to reach the Procuring Entity not later than the period specified in the TDS **before** the meeting.
- 64 Minutes of the pre-Tender meeting, if applicable, including the text of the questions asked by Tenderers and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Tenderers who have acquired the Tender Documents in accordance with ITT 6.3. Minutes shall not identify the source of the questions asked.
- 65 The Procuring Entity shall also promptly publish anonymized (*no names*) Minutes of the pre-Tender meeting at the web page identified in **the TDS**. Any modification to the Tender Documents that may become necessary as a result of the pre-Tender meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT 7 and not through the minutes of the pre-Tender meeting. Nonattendance at the pre-Tender meeting will not be a cause for disqualification of a Tenderer.

7. Amendment of Tendering Document

- 7.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the tendering document by issuing addenda.
- 7.2 Any addendum issued shall be part of the tendering document and shall be communicated in writing to all who have obtained the tender document from the Procuring Entity in accordance with ITT 6.3. The Procuring Entity shall also promptly publish the addendum on the Procuring Entity's web page in accordance with ITT 7.1.
- 7.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders, pursuant to ITT 21.2.

C. Preparation of Tenders

8. Cost of Tendering

- 8.1 The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.

9. Language of Tender

- 9.1 The Tender, as well as all correspondence and documents relating to the Tender exchanged by the Tenderer and the Procuring Entity, shall be written in English Language. Supporting documents and printed literature that are part of the Tender may be in another language provided they are accompanied by an accurate translation of the relevant passages into the English Language, **in** which case, for purposes of interpretation of the Tender, such translation shall govern.

10. Documents Comprising the Tender

- 10.1 The Tender shall comprise the following:
- a) Form of Tender prepared in accordance with ITT11.
 - b) Price Schedules: completed in accordance with ITT 11 and ITT 13.
 - c) Tender Security or Tender-Securing Declaration, in accordance with ITT 18.1.
 - d) Alternative Tender: if permissible, in accordance with ITT12.
 - e) Authorization: written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordance with ITT19.3.
 - f) Qualifications: documentary evidence in accordance with ITT 16.2 establishing the Tenderer qualifications to perform the Contract if its Tender is accepted.
 - g) Tenderer Eligibility: documentary evidence in accordance with ITT16.1 establishing the Tenderer eligibility to tender.
 - h) Eligibility of Goods and Related Services: documentary evidence in accordance with ITT 15, establishing the eligibility of the Goods and Related Services to be supplied by the Tenderer.
 - i) Conformity: documentary evidence in accordance with ITT15.2 that the Goods and Related Services conform to

the tender document; and

j) any other document required in the **TDS**.

102 In addition to the requirements under ITT 10.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Tender shall be signed by all members and submitted with the Tender, together with a copy of the proposed Agreement.

103 The Tenderer shall furnish in the Form of Tender information on commissions gratuities, and fees, if any, paid or to be paid to agents or any other party relating to this Tender.

11. Form of Tender and Price Schedules

11.1 The Form of Tender and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Tendering Forms. The forms must be completed without any alterations to the text. All blank spaces shall be filled in with the information requested. The Tenderer shall chronologically serialize pages of all tender documents submitted.

12. Alternative Tenders

12.1 Unless otherwise specified in **the TDS**, **alternative** Tenders shall not be considered.

13. Tender Prices and discounts

13.1 The prices quoted by the Tenderer in the Form of Tender and in the Price, Schedules shall conform to the requirements specified below.

13.2 All lots (contracts) and items must be listed and priced separately in the Price Schedules.

13.3 The price to be quoted in the Form of Tender in accordance with ITT10.1 shall be the total price of the Tender, including any discounts offered.

13.4 The Tenderer shall quote any discounts and indicate the methodology for their application in the form of tender. Conditional discounts will be rejected.

13.5 Prices quoted by the Tenderer shall be fixed during the performance of the Contract and not subject to variation on any account, unless otherwise specified in **the TDS**. A Tender submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected, pursuant to ITT 28. However, if in accordance with the **TDS**, prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract, a Tender submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

13.6 If specified in ITT 1.1, Tenders are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise specified in **the TDS**, **prices** quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Tenderers wishing to offer discounts for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITT 13.4 provided the Tenders for all lots (contracts) are opened at the same time.

13.7 The terms EXW, CIP, CIF, DDP and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce.

13.8 Prices shall be quoted as specified in each Price Schedule included in Section IV, Tendering Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Tenders by the Procuring Entity. This shall not in any way limit the Procuring Entity's right to contract on any of the terms offered. In quoting prices, the Tenderer shall be free to use transportation through carriers registered in any eligible country. Similarly, the Tenderer may obtain insurance services from any eligible country in accordance with ITT 3.6, Eligible Tenders. Prices shall be entered in the following manner:

a) For Goods manufactured in Kenya:

I) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the- shelf, as applicable) final destination point indicated in the TDS, including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods.

- ii) any sales tax and other taxes which will be payable in Kenya on the Goods if the Contract is awarded to the Tenderer; and
 - iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination specified in **the TDS**.
- b) For Goods manufactured outside Kenya, to be imported:
- i) the price of the Goods, quoted CIP named place of destination, in Kenya, as specified in **the TDS**.
 - ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination specified in **the TDS**.
- c) For Goods manufactured outside Kenya, already imported:
- i) the price of the Goods, including the original import value of the Goods; plus, any mark-up (or rebate); plus, any other related local cost, and custom duties and other import taxes already paid or to be paid on the Goods already imported.
 - ii) the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported.
 - iii) any sales and other taxes levied in Kenya which will be payable on the Goods if the Contract is awarded to the Tenderer; and
 - iv) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in **the TDS**.
- d) for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements, the price of each item comprising the Related Services (inclusive of any applicable taxes).

14. Currencies of Tender and Payment

- 141 The currency (is) of the Tender, the currency (is) of award and the currency (is) of contract payments shall be the same.
- 142 The Tenderer shall quote in Kenya shillings. If allowed in the TDS, the Tenderer may express the Tender price in any currency, provided it shall use no more than two foreign currencies in addition to the Kenya Shilling.
- 143 The rates of exchange to be used by the Tenderer shall be based on the exchange rates provided by the Central Bank of Kenya on the date 30 days prior to the actual date of tender opening.

15. Documents Establishing the Eligibility and Conformity of the Goods and Related Services

- 151 To establish the eligibility of the Goods and Related Services in accordance with ITT 15, Tenderers shall complete the country-of-origin declarations in the Price Schedule Forms, included in Section IV, Tendering Forms.
- 152 To establish the conformity of the Goods and Related Services to the tendering document, the Tenderer shall furnish as part of its Tender the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.
- 153 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Section VII, Schedule of Requirements.
- 154 The Tenderer shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period specified in **the TDS following** commencement of the use of the goods by the Procuring Entity.
- 155 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Procuring Entity in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Tenderer may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Procuring Entity's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section VII, Schedule of Requirements.

16. Documents Establishing the Eligibility and Qualifications of the Tenderer

- 161 To establish Tenderer eligibility in accordance with ITT 4, Tenderers shall complete the Form of Tender, included in Section IV, Tendering Forms.
- 162 The documentary evidence of the Tenderer qualifications to perform the Contract if its Tender is accepted shall establish to the Procuring Entity's satisfaction:
- a) that, if required in **the TDS**, a Tenderer that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Tendering Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Kenya.
 - b) that, if required in **the TDS**, in case of a Tenderer not doing business within Kenya, the Tenderer is or will be (if

awarded the Contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and

- c) that the Tenderer meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

17. Period of Validity of Tenders

- 17.1 Tenders shall remain valid for the Tender Validity period specified in **the TDS**. The Tender Validity period starts from the date fixed for the Tender submission deadline (as prescribed by the Procuring Entity in accordance with ITT 21.1). A Tender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.
- 17.2 In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may request Tenderers to extend the period of validity of their Tenders. The request and the responses shall be made in writing. If a Tender Security is requested in accordance with ITT 18, it shall also be extended for a corresponding period. A Tenderer may refuse the request without forfeiting its Tender Security. A Tenderer granting the request shall not be required or permitted to modify its Tender, except as provided in ITT 17.3.
- 17.3 If the award is delayed by a period exceeding the number of days to be specified in the TDS **days** beyond the expiry of the initial tender validity period, the Contract price shall be determined as follows:
- a) in the case of fixed **price contracts**, the Contract price shall be the tender price adjusted by the factor specified in **the TDS**.
 - b) in the case of adjustable **price contracts**, no adjustment shall be made; or in any case, tender evaluation shall be based on the tender price without taking into consideration the applicable correction from those indicated above.

18. Tender Security

- 18.1 The Tenderer shall furnish as part of its Tender, either a Tender-Securing Declaration or a Tender Security, as specified in **the TDS**, in original form and, in the case of a Tender Security, in the amount and currency specified in **the TDS**.
- 18.2 A Tender Securing Declaration shall use the form included in Section IV, Tendering Forms.
- 18.3 If a Tender Security is specified pursuant to ITT 18.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer option:
- i) cash.
 - ii) a bank guarantee.
 - iii) a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority; or
 - iv) a letter of credit; or
 - v) guarantee by a deposit taking micro-finance institution, Sacco society, the Youth Enterprise Development Fund, or the Women Enterprise Fund.
- 18.4 If an unconditional guarantee is issued by a non-Bank financial institution located outside Kenya, the issuing non-Bank financial institution shall have a correspondent financial institution located in Kenya to make it enforceable unless the Procuring Entity has agreed in writing, prior to Tender submission, that a correspondent financial institution is not required. In the case of a bank guarantee, the Tender Security shall be submitted either using the Tender Security Form included in Section IV, Tendering Forms, or in another substantially similar format approved by the Procuring Entity prior to Tender submission. The Tender Security shall be valid for thirty (30) days beyond the original validity period of the Tender, or beyond any period of extension if requested under ITT 17.2.
- 18.5 If a Tender Security is specified pursuant to ITT 18.1, any Tender not accompanied by a substantially responsive Tender Security shall be rejected by the Procuring Entity as non-responsive.
- 18.6 If a Tender Security is specified pursuant to ITT 18.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer signing the Contract and furnishing the Performance Security pursuant to ITT 46. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined non-responsive or a bidder declines to extend tender validity period.
- 18.7 The Tender Security of the successful Tenderer shall be returned as promptly as possible once the successful Tenderer has signed the Contract and furnished the required Performance Security.

- 188 The Tender Security may be forfeited, or the Tender Securing Declaration executed:
- a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer in the Form of Tender, or any extension thereto provided by the Tenderer; or
 - b) if the successful Tenderer fails to:
 - i) sign the Contract in accordance with ITT 45; or
 - ii) furnish a Performance Security in accordance with ITT 46.
- 189 Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA that PPRA debars the Tenderer from participating in public procurement as provided in the law.
- 18.10 The Tender Security or Tender- Securing Declaration of a JV must be in the name of the JV that submits the Tender. If the JV has not been legally constituted into a legally enforceable JV at the time of Tendering, the Tender Security or Tender-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITT3.1 and ITT 10.2.
- 18.11 A tenderer shall not issue a tender security to guarantee itself.

19. Format and Signing of Tender

- 191 The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 11 and clearly mark it "ORIGINAL." Alternative Tenders, if permitted in accordance with ITT 12, shall be clearly marked "ALTERNATIVE." In addition, the Tenderer shall submit copies of the Tender, in the number specified **in the TDS and** clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 192 Tenderers shall mark as "CONFIDENTIAL" information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.
- 193 The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Tenderer. This authorization shall consist of a written confirmation as **specified in the TDS and** shall be attached to the Tender. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Tender where entries or amendments have been made shall be signed or initialed by the person signing the Tender.
- 194 In case the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by each member's legally authorized representatives.
- 195 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Tender.

D. Submission and Opening of Tenders

20 Sealing and Marking of Tenders

- 20.1 Depending on the sizes or quantities or weight of the tender documents, a tenderer may use an envelope, package, or container. The Tenderer shall deliver the Tender in a single sealed envelope, or in a single sealed package, or in a single sealed container bearing the name and Reference number of the Tender, addressed to the Procuring Entity and a warning not to open before the time and date for Tender opening date. Within the single envelope, package or container, the Tenderer shall place the following separate, sealed envelopes:
- a) in an envelope or package or container marked "ORIGINAL", all documents comprising the Tender, as described in ITT 11; and
 - b) in an envelope or package or container marked "COPIES", all required copies of the Tender; and
 - c) if alternative Tenders are permitted in accordance with ITT 12, and if relevant:
 - i) in an envelope or package or container marked "ORIGINAL –ALTERNATIVE TENDER", the alternative Tender; and
 - ii) in the envelope or package or container marked "COPIES- ALTERNATIVE TENDER", all required copies of the alternative Tender.
- 202 The inner envelopes or packages or containers shall:
- a) bear the name and address of the Procuring Entity.
 - b) bear the name and address of the Tenderer; and
 - c) bear the name and Reference number of the Tender.
- 203 Where a tender package or container cannot fit in the tender box, the procuring entity shall:
- a) Specify in the **TDS where** such documents should be received.
 - b) maintain a record of tenders received and issue acknowledgement receipt note to each tenderer specifying time and date of receipt.

- c) Ensure all tenders received are handed over to the tender opening committee for opening at the specified opening place and time.

20.4 If an envelope or package or container is not sealed and marked as required, the Procuring *Entity will* assume no responsibility for the misplacement or premature opening of the Tender. Tenders misplaced or opened prematurely will not be accepted.

21. Deadline for Submission of Tenders

21.1 Tenders must be received by the Procuring Entity at the address and no later than the date and time specified in **the TDS**. When so specified in **the TDS**, Tenderers shall have the option of submitting their Tenders electronically. Tenderers submitting Tenders electronically shall follow the electronic Tender submission procedures specified **in the TDS**.

21.2 The Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders by amending the tendering document in accordance with ITT7, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

22. Late Tenders

22.1 The Procuring Entity shall not consider any Tender that arrives after the deadline for submission of Tenders. Any Tender received by the Procuring Entity after the deadline for submission of Tenders shall be declared late, rejected, and returned unopened to the Tenderer.

23. Withdrawal, Substitution, and Modification of Tenders

23.1 A Tenderer may withdraw, substitute, or modify its Tender after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITT19.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Tender must accompany the respective written notice. All notices must be:

- a) prepared and submitted in accordance with ITT 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION;" and
- b) received by the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 22.

23.3 Tenders requested to be withdrawn in accordance with ITT 23.1 shall be returned unopened to the Tenderers.

23.4 No Tender may be withdrawn, substituted, or modified in the interval between the deadline for submission of Tenders and the expiration of the period of Tender validity specified by the Tenderer on the Form of Tender or any extension thereof.

24. Tender Opening

24.1 The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment, or amendment in any way by any person or entity.

24.2 Except as in the cases specified in ITT 23, the Procuring Entity shall, at the Tender opening, publicly open and read out all Tenders received by the deadline at the date, time and place specified **in the TDS** in the presence of Tenderers' designated representatives who choose to attend, including to attend any specific electronic tender opening procedures if electronic tendering is permitted in accordance with ITT 21.1, shall be as specified **in the TDS**.

24.3 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding Tender shall not be opened but returned to the Tenderer. If the withdrawal envelope does not contain a copy of the "power of attorney" confirming the signature as a person duly authorized to sign on behalf of the Tenderer, the corresponding Tender will be opened. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Tender opening.

24.4 Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Tender being substituted, and the substituted Tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Tender opening.

24.5 Next, envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Tender. No Tender modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Tender opening.

- 246 Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Tenderer and whether there is a modification; the total Tender Prices, per lot (contract) if applicable, including any discounts and alternative Tenders; the presence or absence of a Tender Security, if required; and any other details as the Procuring Entity may consider appropriate.
- 247 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further for evaluation. The Form of Tender and pages of the Bills of Quantities are to be initialed by the members of the tender opening committee attending the opening. The number of representatives of the Procuring Entity to sign shall be specified in the TDS.
- 248 The Procuring Entity shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 22.1).
- 249 The Procuring Entity shall prepare a record of the Tender opening that shall include, as a minimum:
- a) the name of the Tenderer and whether there is a withdrawal, substitution, or modification.
 - b) the Tender Price, per lot (contract) if applicable, including any discounts.
 - c) any alternative Tenders.
 - d) the presence or absence of a Tender Security or Tender-Securing Declaration if one was required.
 - e) number of pages of each tender document submitted.
- 24.10 The Tenderers' representatives who are present shall be requested to sign the record. The omission of a Tenderer signature on the record shall not invalidate the contents and effect of the record. A copy of the tender opening register shall be issued to a Tenderer upon request.

E. Evaluation and Comparison of Tenders

25. Confidentiality

- 25.1 Information relating to the evaluation of Tenders and recommendation of contract award, shall not be disclosed to Tenderers or any other persons not officially concerned with the tendering process until the information on Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 41.
- 25.2 Any effort by a Tenderer to influence the Procuring Entity in the evaluation or contract award decisions may result in the rejection of its Tender.
- 25.3 Notwithstanding ITT 25.2, from the time of Tender opening to the time of Contract Award, if any Tenderer wishes to contact the Procuring Entity on any matter related to the Tendering process, it should do so in writing.

26. Clarification of Tenders

- 26.1 To assist in the examination, evaluation, comparison of the Tenders, and qualification of the Tenderers, the Procuring Entity may, at its discretion, ask any Tenderer for a clarification of its Tender. Any clarification submitted by a Tenderer in respect to its Tender and that is not in response to a request by the Procuring Entity shall not be considered. The Procuring Entity's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Tender shall be sought, offered, or permitted except to confirm the correction of arithmetic errors discovered by the Procuring Entity in the Evaluation of the Tenders, in accordance with ITT 30.

If a Tenderer does not provide clarifications of its Tender by the date and time set in the Procuring Entity's request for clarification, its Tender may be rejected.

27. Deviations, Reservations, and Omissions

- 27.1 During the evaluation of Tenders, the following definitions apply:
- a) "Deviation" is a departure from the requirements specified in the Tendering document.
 - b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the tendering document; and
 - c) "Omission" is the failure to submit part, or all of the information or documentation required in the tendering document.

28. Determination of Responsiveness

- 28.1 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the Tender itself, as defined in ITT 28.2.

28. A substantially responsive Tender is one that meets the requirements of the tendering document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- a) if accepted, would:
 - i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - ii) limit in any substantial way, inconsistent with the tendering document, the Procuring Entity's rights or the Tenderer obligations under the Contract; or
 - b) if rectified, would unfairly affect the competitive position of other Tenderers presenting substantially responsive Tenders.

282 The Procuring Entity shall examine the technical aspects of the Tender submitted in accordance with ITT 15 and ITT 16, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission.

283 If a Tender is not substantially responsive to the requirements of tendering document, it shall be rejected by the Procuring Entity and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

29. Non-conformities, Errors and Omissions

291 Provided that a Tender is substantially responsive, the Procuring Entity may waive any non-conformities in the Tender.

292 Provided that a Tender is substantially responsive, the Procuring Entity may request that the Tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial non-conformities or omissions in the Tender related to documentation requirements. Such omission shall not be related to any aspect of the price of the Tender. Failure of the Tenderer to comply with the request may result in the rejection of its Tender.

293 Provided that a Tender is substantially responsive, the Procuring Entity shall rectify quantifiable nonmaterial non-conformities related to the Tender Price. To this effect, the Tender Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified in **the TDS**. The adjustment shall be based on the average **price** of the item or component as quoted in other substantially responsive Tenders. If the price of the item or component cannot be derived from the price of other substantially responsive Tenders, the Procuring Entity shall use its best estimate.

30. Arithmetical Errors

- 30.1 Provided that the Bid is substantially responsive, the Employer shall correct arithmetical errors on the following basis:
- (a) only for admeasurement contracts, if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 30.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 30.1 shall result in the rejection of the Bid.

31. Conversion to Single Currency

31.1 For evaluation and comparison purposes, the currency(is) of the Tender shall be converted in a single currency as specified in **the TDS**.

32. Margin of Preference and Reservations

321 A margin of preference may be allowed on locally manufactured goods only when the contract is open to international tendering, where the tender is likely to attract foreign goods and where the contract exceeds the threshold specified in the Regulations.

322 For purposes of granting a margin of preference on locally manufactured goods under international competitive tendering,

a procuring entity shall not subject the items listed below to international tender and hence no margin of preference shall be allowed. The affected items are:

- a) motor vehicles, plant and equipment which are assembled in Kenya.
- b) furniture, textile, foodstuffs, oil and gas, information communication technology, steel, cement, leather agro-processing, sanitary products, and other goods made in Kenya; or
- c) goods manufactured, mined, extracted, or grown in Kenya.

323 A margin of preference shall not be allowed unless it is specified so in the TDS.

324 Contracts procured on basis of international competitive tendering shall not be subject to reservations to specific groups as provided in ITT 32.5.

325 Where it is intended to reserve a contract to a specific group of businesses (these groups are Small and Medium Enterprises, Women Enterprises, Youth Enterprises and Enterprises of persons living with disability, as the case may be), and who are appropriately registered as such by the authority to be specified in the **TDS**, a procuring entity shall ensure that the invitation to tender specifically indicates that only businesses or firms belonging to the specified group are eligible to tender as specified in the **TDS**. No tender shall be reserved to more than one group. If not so stated in the Tender documents, the invitation to tender will be open to all interested tenderers.

33. Evaluation of Tenders

331 The Procuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies, the Procuring Entity shall determine the Lowest Evaluated Tender. This is the Tender of the Tenderer that meets the qualification criteria and whose Tender has been determined to be:

- a) substantially responsive to the tender documents; and
- b) the lowest evaluated price.

332 Price evaluation will be done for Items or Lots (contracts), as specified in **the TDS; and** the Tender Price as quoted in accordance with ITT 14. To evaluate a Tender, the Procuring Entity shall consider the following:

- a) price adjustment due to unconditional discounts offered in accordance with ITT 13.4.
- b) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 31.
- c) price adjustment due to quantifiable nonmaterial non-conformities in accordance with ITT 29.3; and
- d) any additional evaluation factors specified in **the TDS and** Section III, Evaluation and Qualification Criteria.

333 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be considered in Tender evaluation.

334 Where the tender involves multiple lots or contracts, the tenderer will be allowed to tender for one or more lots (contracts). Each lot or contract will be evaluated in accordance with ITT 33.2. The methodology to determine the lowest evaluated tenderer or tenderers based one lot (contract) or based on a combination of lots (contracts), will be specified in Section III, Evaluation and Qualification Criteria. In the case of multiple lots or contracts, tenderer will be required to prepare the Eligibility and Qualification Criteria Form for each Lot.

335 The Procuring Entity's evaluation of a Tender will include and consider:

- a) in the case of Goods manufactured in Kenya, sales, and other similar taxes, which will be payable on the goods if a contract is awarded to the Tenderer.
- b) in the case of Goods manufactured outside Kenya, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Tenderer.

336 The Procuring Entity's evaluation of a Tender may require the consideration of other factors, in addition to the Tender Price quoted in accordance with ITT 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Tenders, unless otherwise specified in the TDS **from** amongst those set out in Section III, Evaluation and Qualification Criteria. The additional criteria and methodologies to be used shall be as specified in ITT 33.2(d).

34. Comparison of Tenders

34.1 The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 33.2 to determine the Tender that has the lowest evaluated cost. The comparison shall be on the basis of total cost (place of final destination) prices for all goods and all prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within Kenya, together with prices for any required installation, training, commissioning, and other services.

35. Abnormally Low Tenders

35.1 An Abnormally Low Tender is one where the Tender price, in combination with other constituent elements of the Tender, appears unreasonably low to the extent that the Tender price raises material concerns with the Procuring Entity as to the capability of the Tenderer to perform the Contract for the offered Tender price.

35.2 In the event of identification of a potentially Abnormally Low Tender by the evaluation committee, the Procuring Entity shall seek written clarification from the Tenderer, including a detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, delivery schedule, allocation of risks and responsibilities and any other requirements of the tendering document.

35.3 After evaluation of the price analysis, in the event that the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the contract for the offered Tender price, the Procuring Entity shall reject the Tender.

36. Abnormally High Tenders

36.4 An abnormally high price is one where the tender price, in combination with other constituent elements of the Tender, appears unreasonably too high to the extent that the Procuring Entity is concerned that it (the Procuring Entity) may not be getting value for money, or it may be paying too high a price for the contract compared with market prices or that genuine competition between Tenderers is compromised.

36.5 In case of an abnormally high tender price, the Procuring Entity shall make a survey of the market prices, check if the estimated cost of the contract is correct and review the Tender Documents to check if the specifications, scope of work and conditions of contract are contributory to the abnormally high tenders. The Procuring Entity may also seek written clarification from the tenderer on the reason for the high tender price. The Procuring Entity shall proceed as follows:

- i) If the tender price is abnormally high based on wrong estimated cost of the contract, the Procuring Entity may accept or not accept the tender depending on the Procuring Entity's budget considerations.
- ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, the Procuring Entity shall reject all tenders and may retender for the contract based on revised estimates, specifications, scope of work and conditions of contract, as the case may be.

36.6 If the Procuring Entity determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised (*often due to collusion, corruption, or other manipulations*), the Procuring Entity shall reject all Tenders and shall institute or cause relevant Government Agencies to institute an investigation on the cause of the compromise before retendering.

37. Post-Qualification of the Tenderer

37.1 The Procuring Entity shall determine, to its satisfaction, whether the eligible Tenderer that is selected as having submitted the lowest evaluated cost and substantially responsive Tender, meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.

37.2 The determination shall be based upon an examination of the documentary evidence of the Tenderer qualifications submitted by the Tenderer, pursuant to ITT 15 and 16. The determination shall not take into consideration the qualifications of other firms such as the Tenderer subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the tendering document), or any other firm(s) different from the Tenderer.

37.3 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the Procuring Entity shall proceed to the Tenderer who offers a substantially responsive Tender with the next lowest evaluated cost to make a similar determination of that Tenderer qualifications to perform satisfactorily.

38. Lowest Evaluated Tender

38.1 Having compared the evaluated prices of Tenders, the Procuring Entity shall determine the Lowest Evaluated Tender. The Lowest Evaluated Tender is the Tender of the Tenderer that meets the Qualification Criteria and whose Tender has

been determined to be:

- a) most responsive to the Tender document; and
- b) the lowest evaluated price.

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

39.1 The Procuring Entity reserves the right to accept or reject any Tender, and to annul the Tendering process and reject all Tenders at any time prior to notification Award, without thereby incurring any liability to Tenderers. In case of annulment, all Tenderers shall be notified with reasons and all Tenders submitted and specifically, tender securities, shall be promptly returned to the Tenderers.

F. Award of Contract

40. Award Criteria

40.1 The Procuring Entity shall award the Contract to the successful tenderer whose tender has been determined to be the arithmetically corrected tender sum for the Lowest Evaluated Tender inclusive of the arithmetical error in accordance with procedures in Section 3: Evaluation and Qualification Criteria.

41. Procuring Entity's Right to Vary Quantities at Time of Award

41.1 The Procuring Entity reserves the right at the time of Contract award to increase or decrease, by the percentage (s) for items as indicated **in the TDS**.

42. Notice of Intention to enter into a Contract

Upon award of the contract and prior to the expiry of the Tender Validity Period the Procuring Entity shall issue a Notification of Intention to Enter into a Contract / Notification of award to all tenderers which shall contain, at a minimum, the following information:

- a) the name and address of the Tenderer submitting the successful tender.
- b) the Contract price which is the arithmetically corrected tender sum for the tenderer of the Lowest Evaluated Tender inclusive of the arithmetical error correction.
- c) a statement of the reason(s) the tender of the unsuccessful tenderer to whom the letter is addressed was unsuccessful unless the price information in (c) above already reveals the reason.
- d) the expiry date of the Standstill Period; and
- e) instructions on how to request a debriefing and/or submit a complaint during the standstill period.

43. Standstill Period

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

43.2 Where standstill period applies, it shall commence when the Procuring Entity has transmitted to each Tenderer the Notification of Intention to Enter into a Contract to the successful Tenderer.

44. Debriefing by the Procuring Entity

44.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 41, an unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.

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

45. Letter of Award

Prior to the expiry of the Tender Validity Period and upon expiry of the Standstill Period specified in ITT 42, upon addressing a complaint that has been filed within the Standstill Period, the Procuring Entity shall transmit

the Letter of Award to the successful Tenderer. The letter of award shall request the successful tenderer to furnish the Performance Security within 21 days of the date of the letter.

46. Signing of Contract

- 46.1 Upon the expiry of the fourteen days of the Notification of Intention to enter into contract and upon the parties meeting their respective statutory requirements, the Procuring Entity shall send the successful Tenderer the Contract Agreement.
- 46.2 Within fourteen (14) days of receipt of the Contract Agreement, the successful Tenderer shall sign, date, and return it to the Procuring Entity.
- 46.3 The written contract shall be entered into within the period specified in the notification of award and before expiry of the tender validity period.

47. Performance Security

- 47.1 Within twenty-one (21) days of the receipt of Letter of Acceptance from the Procuring Entity, the successful Tenderer, if required, shall furnish the Performance Security in accordance with the GCC 18, using for that purpose the Performance Security Form included in Section X, Contract Forms. If the Performance Security furnished by the successful Tenderer is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Tenderer to be acceptable to the Procuring Entity. A foreign institution providing a bond shall have a correspondent financial institution located in Kenya, unless the Procuring Entity has agreed in writing that a correspondent financial institution is not required.
- 47.2 Failure of the successful Tenderer to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the Tenderer offering the next lowest Evaluated Tender.
- 47.3 Performance security shall not be required for a contract, if so specified in the TDS.

48. Publication of Procurement Contract

- 48.1 Within fourteen days after signing the contract, the Procuring Entity shall publish and publicize the awarded contract at its notice boards, entity website; and on the Website of the Authority in manner and format prescribed by the Authority. At the minimum, the notice shall contain the following information:
- a) name and address of the Procuring Entity.
 - b) name and reference number of the contract being awarded, a summary of its scope and the selection method used.
 - c) the name of the successful Tenderer, the final total contract price, the contract duration.
 - d) dates of signature, commencement, and completion of contract.
 - e) names of all Tenderers that submitted Tenders, and their Tender prices as read out at Tender opening.

49. Procurement Related Complaints and Administrative Review

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

TENDER DATA SHEET (TDS)

The following specific data shall complement, supplement, or amend the provisions in the Instructions to Tenderers (ITT). Whenever there is a conflict, the provisions herein shall prevail over those in ITT.

ITT Reference	Particulars of Appendix to Instructions to Tenders
A. General	
ITT 1.1	<p>The reference number of the Request for Tenders is: MOE/DSINCP/NCB/18/2024-2025/018</p> <p>The Procuring Entity is Ministry of Education</p> <p>The name of the ITT is: SUPPLY OF FURNITURE AND EQUIPMENTS FOR DSCINCP</p> <p>Tender No: MOE/DSINCP/NCB/18/2024-2025/018</p> <p>The number and identification of lots (contracts) comprising this ITT is: 1 (ONE)</p>
ITT 1.2(a)	<p>Electronic -Procurement System; N/A</p> <p>The Procuring Entity shall use the following electronic-procurement system to manage this Tendering process: <i>[insert name of the e-system and full address or link]</i></p> <p>The electronic-procurement system shall be used to manage the following aspects of the Tendering process: <i>[list aspects here and modify the relevant parts of the TDS accordingly e.g., issuing Tendering document, submissions of Tenders, opening of Tenders]</i></p>
ITT 2.3	<p>The Information made available on competing firms is as follows: N/A</p> <p>The firms that provided consulting services for the contract being tendered for are Al Habshi Engineering Consultant Office (ACO) Jv Scope Design Systems Ltd.</p>
ITT 3.1	Maximum number of members in the Joint Venture (JV) shall be : Two (2)
ITT 3.7	A list of debarred firms and individuals is available on the PPRAs website: www.ppra.go.ke
ITT 3.11	Tenderers shall be required to be registered with N/A
B. Contents of Tendering Document	
ITT 6.1	<p>For Clarification of Tender purposes only, the Procuring Entity's address is: Attention: Manager Procurement</p> <p>Email: The Principal Secretary Attn: Head of Supply Chain Management Services State Department for Basic Education Development of Schools Infrastructure in Nyamira County Project Jogoo House 'B' Ground Floor Room 14, Harambee Avenue Postal Address: P.O. Box 30040, Nairobi, Kenya Code: 00100 City: Nairobi Tel: (0)20 318581 Ext.30413 Email: ppo@education.go.ke</p> <p>Requests for clarification should be received by the Procuring Entity no later than: Seven (7) days to closing date</p> <p>The Procuring Entity publish its response at the website: (www.education.go.ke)</p>
ITT 6.2	A pre-tender conference will be held on 22nd August, 2024 from 9.00 am (the online link will be uploaded in our website-www.education.go.ke)
ITT 6.3	Requests for clarification should be received by the Procuring Entity no later than: Seven (7) days to closing date
ITT 6.5	The Minutes of the Pre-Tender meeting shall be published on the at the website Web page: www.education.go.ke
C. Preparation of Tenders	

ITT 10 (j)	The Tenderer shall submit the following additional documents in its Tender: <i>[list any additional documents not already listed in ITT 11.1 that must be submitted with the Tender]</i>
ITT 12.1	Alternative Tenders shall not be considered
ITT 13.5	The prices quoted by the Tenderer shall not be subject to adjustment during the performance of the Contract..
ITT 13.8 (a) (i) and (iii)	Place of final destination:

<u>No.</u>	<u>Lot No.</u>	<u>School</u>	<u>Science Lab</u>	<u>ILRC</u>	<u>Kitchen</u>	<u>Fire Extinguisher</u>
1	1	Esise Primary School		1		
2	1	Manga Girls Secondary School				1
3	1	St. Patrick Kahawa Secondary			1	
4	2	Mecheo SDA Secondary School	2			
5	2	Nyansiongo Boys High School	4			
6	2	St. Andrews Kaggwa Boys Primary Boarding School				1
7	2	Eronge Adventist Primary Boarding				1
8	3	Kineni ELCK Secondary School				1
9	3	Menyenya SDA Secondary School			1	
10	4	Gesibei Primary School		1		
11	4	Riamanoti Primary School		1		
12	4	Mosobeti DOK Primary School		1		
13	4	Enchoro Secondary School	2			
14	5	Mokomoni SDA Primary School		1		
15	5	St. Marys Mongorisi Secondary School	2			
16	5	Nyagachi Primary School		1		
17	6	Ryabe Mixed School				1
18	6	Kenyerere TTC		1		
19	6	Sungututa DEB Secondary School	2			
20	6	Nyantaro DEB Primary		1		
21	7	Kenani DOK Primary School		1		
22	7	Nyasumi Mixed Secondary	2			
23	7	St. Andrew Nyabigege Secondary School	2			
24	8	St. Paul Nyachichi Secondary School	2			
25	8	Kiambiraa Primary School		1		
26	8	Tombe Mixed Secondary School	2			
27	9	Geke Secondary School	2			
28	9	Gesure ELCK Primary School		1		
29	9	Kianginda Secondary	2			
30	10	Makairo Secondary				1
31	10	St. Peters Nyakemincha Secondary School	2			

32	10	Nyamwetuereko Primary		1		
33	11	Nyangoge Mixed Secondary				1
34	11	Ibara Girls Primary School		0		
35	11	Kiabonyoru Secondary				1
36	12	Nyakwerema Secondary	2			
37	12	Nyamiranga Secondary School		1		
38	12	Ekerubo Geitai Primary		1		
39	12	AIC Geitai Girls Secondary	2			
40	13	Kenyoro ELCK Secondary School	2			
41	13	Nyamauro Secondary School	2			
42	14	Nyasio Secondary School	2			
43	14	Nyagokiano Secondary School	4			
44	15	Ikonge PAG Secondary School				1
45	15	Chisaria DEB Primary School				1
46	15	Mesobwa Primary School		1		
47	15	Nyairanga ELCK Secondary School	2			
48	16	Kebabe Girls Secondary School			1	
49	16	Omorare Tech School	2			
50	16	Maagonga Primary School		1		
51	16	Eronge DEB Secondary School				1
52	17	Nyamusi Girls Secondary School				1
53	17	St. Francis Gekendo Secondary School	2			
54	17	Okano Primary School		1		
55	18	Matongo Boys Secondary				1
56	18	Gesage Secondary School				1
57	18	Ikamu SDA Secondary			1	
58	19	Esanige Tech	2			
59	19	Riomego SDA Mixed Primary School		1		
60	19	St. Clare Gekendo Secondary			1	
61	20	Ntana Mixed Secondary School	2			
62	20	Bomondo COG Primary School		1		
63	20	Biego Secondary	2			
64	20	Egesieri DOK Primary School		1		
65	21	Bonyunyu Secondary School				1
66	21	Ikurucha DOK Primary School		1		
67	21	St. Peters Nyaisa Secondary	2			
68	21	Rangenyo DOK Primary School		1		

ITT Reference	Particulars of Appendix to Instructions to Tenders
	P.O. Box 30 0 40-00100 Nairobi, Kenya
ITT 14.2	Foreign currency requirements not allowed
ITT 16.2 (a)	Manufacturer's authorization is: Not required
ITT 16.2 (b)	After sales service is: required where applicable
ITT 17.1	The Tender validity period shall be 180 days.
ITT 17.3	The Number of days beyond the expiry of the initial tender validity period will be 30 days.
ITT 18.1	A <i>Tender Security</i> shall be , required. Tender MUST be accompanied by a Tender Security in the amount of Kshs. 250,000.00 from a reputable Bank/Insurance Company operating in Kenya in the format provided in the tender document.
ITT 19.1	In addition to the original of the Tender, the number of copies is: one (1) hard copy and one (1) soft copy
ITT 19.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: Written Power of Attorney signed by the Director if the signatory of the tender is not a director.
	D. Submission and Opening of Tenders
ITT 21.1	For Tender submission purposes only, the Procuring Entity's address is: <i>The Principal Secretary</i> <i>Attn: Head of Supply Chain Management Services State Department for Basic Education</i> <i>Development of Schools Infrastructure in Nyamira County Project</i> <i>Jogoo House 'B' Ground Floor Room 14, Harambee Avenue</i> <i>Postal Address: P.O. Box 30040, Nairobi, Kenya Code: 00100 City: Nairobi</i> <i>Tel: (0)20 318581 Ext.30413</i> <i>Email: ppo@education.go.ke</i>
ITT 24.1	The Tender opening shall take place at: <i>Jogoo House 'B' Ground Floor Room 14, Harambee Avenue</i> <i>Postal Address: P.O. Box 30040, Nairobi, Kenya Code: 00100 City: Nairobi</i> <i>Tel: (0)20 318581 Ext.30413</i> <i>Email: ppo@education.go.ke</i> Date: 3rd September, 2024 at 10.00 a.m EAT Tenderers shall not have the option of submitting their Tenders electronically.
ITT 24.6	The number of representatives of the Procuring Entity to sign is: All the members of the appointed tender opening committee.
	E. Evaluation and Comparison of Tenders
ITT 29.3	The manner of rectify quantifiable nonmaterial nonconformities described below: N/A
ITT 31.1	The currency that shall be used for Tender evaluation and comparison purposes to convert (at the selling exchange rate) all Tender prices expressed in various currencies into a single currency is: Kenya Shilling
ITT 32.3	Margin of Preference shall not apply. If a margin of preference applies, the application methodology shall be defined in Section III - Evaluation and Qualification Criteria.
ITT Reference	Particulars of Appendix to Instructions to Tenders
ITT 33.2	Tenderers shall be allowed to quote for more than one lot but can only be awarded one lot

No .	Eligibility Requirement
1.	Submit three Copies of the tender document clearly marked - 1Original, 1Copy and 1 Soft copy
2.	<p>The tenderer MUST submit his/her tender document as follows:</p> <p>(i) The tender document must be submitted as issued without altering the format -All parts of the tender document including the addendum/s must be submitted by the tenderer- Both original and Copy and shall be typed or written in indelible ink and be signed by an Authorized person appointed by the tenderer through Power of Attorney must be signed by commissioner of oaths/Authorization letter.</p> <p>(ii) The Power of Attorney Must be attached - the Power of Attorney must indicate the name, position held by person authorized to sign the tender on behalf of the tenderer and his/her Signature –The named person is authorized to submit/execute this agreement as a binding document and this person should sign all the documents related to this tender.</p> <p>(iii) The Authorized person to sign the tender on behalf of the tenderer and must sign or initialize all the pages of the Tender where entries (i.e. all the forms) or amendments have been made.</p> <p>(iv) The entire/complete original and copy (including attachments) MUST be serialized/paginated using a numbering machine or typed numbering, and Tape bound.</p>
3.	<p>Tenderer must fill the Tenderer Information Form and must attach copies of original documents of the below listed where applicable as instructed: -</p> <ol style="list-style-type: none"> i. Certificate of Registration in accordance with ITT 3.4. ii. A current tax clearance/compliance certificate or tax exemption certificate ITT3.14 iii. Attach CR12 Issued not more than 12 Months from the date of closing the tender issued by Registrar of Companies- where there is a holding company appearing in the CR12 the directors of that particular company should be disclosed i.e. attach CR12 iv. Include the organizational chart, a list of Board of Directors, and the beneficial ownership
4.	<p>Attach a duly filled, signed and stamped Form of Tender in the format provided</p> <p>The Tender shall include the following Forms duly completed and signed by the Tenderer Authorized Person</p> <ul style="list-style-type: none"> • Tenderer's Eligibility-Confidential Business Questionnaire <ul style="list-style-type: none"> • Certificate of Independent Tender Determination

ITT Reference	Particulars of Appendix to Instructions to Tenders
	<ul style="list-style-type: none"> • Self-Declaration of the Tenderer: - Form SD1 and Form SD2 <p>5. Attach a duly filled, signed and stamped Declaration and Commitment to the Code of Ethics</p> <p>6. Written letter of warranty by the Bidder</p> <p>7. A bidder must attach Brochures.</p> <p>8. Experience of the firm in similar services: - Provide Three (3) Assignments Contracts of similar magnitude or contract Value Attach copies of LSOs or Complete Contracts</p> <p>9. Adherence to technical Specifications as stipulated in section V of the tender document</p> <p>10. Financial/ Commercial performance Provide copies of audited accounts for the company for the accounting years 2021, 2022 & 2023. Attach copies of financial statements/Audited accounts (balance sheets, including all related notes, and income statements) for the 3 years required above.</p>
	F. Award of Contract
ITT 41.1	<p>The maximum percentage by which quantities may be increased is: 10% The maximum percentage by which quantities may be decreased is: 10% The items for which the Procuring Entity may increase or decrease the quantities are the following. Not Applicable</p>
ITT 47.3	Performance security if so, required shall be in the sum of 10% of contract sum
ITT 49.1	<p>The procedures for making a Procurement-related Complaint are detailed in the “Notice of Intention to Award the Contract” herein and are also available from the PPRa Website www.ppra.go.ke, website info@ppra.go.ke or complaints@ppra.go.ke.</p> <p>If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by email or fax), to:</p> <p><i>State Department for Basic Education Development of Schools Infrastructure in Nyamira County Project Jogoo House ‘B’ Ground Floor Room 14, Harambee Avenue Postal Address: P.O. Box 30040, Nairobi, Kenya Code: 00100 City: Nairobi Tel: (0)20 318581 Ext.30413 Email: ppo@education.go.ke</i></p> <p>In summary, a Procurement-related Complaint may challenge any of the following: the terms of the Tendering Documents; and the Procuring Entity’s decision to award the contract.</p>

- EVALUATION AND QUALIFICATION CRITERIA

General Provisions

Wherever a Tenderer is required to state a monetary amount, Tenderers should indicate the Kenya Shilling equivalent using the rate of exchange determined as follows:

For business turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amount for that year is to be converted) was originally established.

Value of single contract - Exchange rate prevailing on the date of the contract signature.

Exchange rates shall be taken from the publicly available source identified in the **ITT 14.3**. Any error in determining the exchange rates in the Tender may be corrected by the Procuring Entity.

This section contains the criteria that the Procuring Entity shall use to evaluate tender and qualify tenderers. No other factors, methods or criteria shall be used other than those specified in this tender document. The Tenderer shall provide all the information requested in the forms included in Section IV, Tendering Forms. The Procuring Entity should use the Standard Tender Evaluation Report for Goods and Works for evaluating Tenders.

Evaluation of Tenders (ITT 33)

Successful Tender or Tenders

The Procuring Entity shall use the criteria and methodologies listed in this Section to evaluate Tenders. By applying these criteria and methodologies, the Procuring Entity shall determine the successful Tender or Tenders which has/have been determined to:

be substantially responsive to the tender documents.

offer the lowest evaluated cost to the Procuring Entity for all items of Goods to be procured based on either a single Contract or all multiple Contracts combined, as the case may be, in accordance with the ITT 13.6 inviting Tender prices and discounts, and provisions made of the Tender Document forevaluation of tenders and award of contract (s); and

be offered by Tenderer or Tenderers that substantially meet the qualification criteria applicable for Contract or combined Contracts for which they are selected.

Evaluation of Tenders

Tenders received will be evaluated in three stages as detailed below:

Stage 1: Compliance with Mandatory Requirements (MR)

Stage 2: Technical Evaluation (Capacity to Deliver the Service)

Stage 3: Financial Evaluation (quoted prices)

Preliminary examination for Determination of Responsiveness

The Procuring Entity will start by examining all tenders to ensure they meet in all respects the eligibility criteria and other mandatory requirements in the ITT, and that the tender is complete in all aspects in meeting the requirements provided for in the preliminary evaluation criteria outlined below. The Standard Tender Evaluation Report Document for Goods and Works for evaluating Tenders provides very clear guide on how to deal with review of these requirements. Tenders that do not pass the Preliminary Examination will be considered non- responsive and will not be considered further.

PRELIMINARY EXAMINATION

NO	Mandatory Requirement
MR 1	Valid Copy of certificate of incorporation/ Registration
MR 2	Submission of valid CR12 form showing the list of directors /shareholding (issued within the last 6 months) or National Identity Card(s) for Sole Proprietorship/Partnership
MR 3	Valid Copy of Current County Business permit
MR 4	Valid Current Tax Compliance Certificate issued by Kenya Revenue Authority in accordance with ITT 4.14
MR 5	Provide a copy of Tender Security in the prescribed format from a commercial bank licensed by Central Bank of Kenya in the amount of Kenya shillings five hundred thousands only (KSH 500,000.00). Tender and valid for the period specified under ITT 18.
MR 6	The contractor Annual valid Practicing license from the NCA-NCA Category 5 And above
MR 7	Submit a written power of attorney authorizing the signatory of the bid to commit the Bidder <i>Executed</i> by a Commissioner for Oaths.
MR 9	Dully, Filled, Signed and Stamped Form of Tender. Confidential Business Questionnaire Certificate of independent tender determination. Self-declaration forms Disclosure-of-interest form. Declaration and commitment to the code of ethics.
MR 10	Dully Priced Bills of Quantities
MR 11	In addition to the original of the Tender, the number of copies is: one (1) hard copy and one (1) soft copy
MR 12	Submit certified copies of Audited accounts (Signed by Auditors and directors) for the last three (3) years (2021, 2022 and 2023).
MR 13	Attach proof of similar previous experience of 3 three Institutions amounting to over 50 Million each. (attach award letters or contracts and corresponding completion certificates)
MR 14	Attach proof of equipment's holding in the format provided
MR 15	Qualifications: Prove the qualifications of the directors and technical employees
MR 16	Current Category of Registration with National Construction Authority (NCA) in the Mechanical Works category NCA Category 5 and above for the contractor.
MR 18	Contractor must attach duly signed and stamped pre-contract agreement to work together with the Sub-Contractors where applicable.
MR 19	Attach proof of Citizenship and Directors' shareholding.

TECHNICAL EVALUATION

No	Description	Max. Points	Bidder Score
1	Key Personnel (Attach evidence cv and certificates)		
TS1	Director of the firm (Mechanical Engineering or Construction Related Field) Contractor) Holder of degree in relevant Engineering field ----- 5 Holder of diploma in relevant Engineering field ----- 3 Holder of certificate in relevant Engineering field -----1.5 • Holder of trade test certificate in relevant Engineering field--0.75	5	
TS2	Provide 3No. Degree holders of key personnel in Mechanical Engineering Construction or Related Field) Distribution; Mc; 4MKs, Elect:1 Mks, Mech: 1Mks - Main and Sub Contractors'. main contractor personnel with over10 years relevant experience and degree — -- 4 main contractor personnel with over 5years relevant experience ----- 2 main contractor personnel with under 5years relevant experience ----- 1 Sub-contractors'personel with over10 years relevant experience and degree ----- each sub-contractors'personel with over 5years relevant experience-----0.5 each sub-contractors'personel with under 5years relevant experience -----0	6	
TS3	Provide 3No certificate holders of key personnel in Mechanical Engineering Construction or Related Field) Distribution; Mc; 4MKs, Elect: 1 Mks, Mech: 1Mks Main and Sub-Contractors'. main contractor personnel with over10 years relevant experience ----- 4 main contractor personnel with over 5years relevant experience ----- 2 main contractor personnel with under 5years relevant experience ----- 1 Sub-contractors'personel with over10 years relevant experience and ----- 1 each sub-contractors'personel with over 5years relevant experience-----0.5 each sub-contractors'personel with under 5years relevant experience -----0	6	

TS4	<p>Provide 2No artisans (trade test certificate in relevant Engineering field) - (Mechanical Engineering Construction Related Field) - Main and Sub Contractors’.</p> <p>main contractor personnel with over10 years relevant experience and ----- 2</p> <p>main contractor personnel with over 5years relevant experience ----- 1</p> <p>main contractor personnel with under 5years relevant experience ----- 0</p> <p>Sub-contractors’personel with over10 years relevant experience and degree ----- 1 each</p> <p>sub-contractors’personel with over 5years relevant experience----- 0.5 each</p> <p>sub-contractors’personel with under 5years relevant experience -----0</p>	3	
TS5	<p>Contract completed in the last five (5) years (Max of 5No. Projects, 3 from Main Contractor of 50M each of similar Nature and 1 No. each from each of the 2 Sub-Contract Works)-Provide Evidence (Attach Award letter, Contract Agreement and Completion Certificate</p> <p>Project of similar nature, complexity or magnitude----- 4</p> <p>Project of similar nature but of lower value than the one in consideration----- 2</p> <p>No completed project of similar nature -----0</p> <p>The similarity of the contracts shall be based on the following: (<i>Refurbishments and partitioning works with electrical and mechanical works</i>)</p>	25	
TS6	<p>On-going projects including Sub/Contracts - Provide Evidence (Award letter and Contract Agreement)</p> <p>No Project of similar nature, complexity and magnitude - (Attach Proof)----- 1</p> <p>Two and below Projects of similar, nature complexity and magnitude —5</p> <p>Four and above Projects of similar nature, complexity and magnitude----- 0</p> <p>The similarity of the contracts shall be based on the following: (<i>Refurbishments and partitioning works with electrical and mechanical works</i>)</p>	5	
TS7	<p>Schedule of contractor’s equipment and transport (proof or evidence of ownership/Lease) -5</p> <p>Main Contractor</p> <p>Relevant Transport (pick- ups, Lorries, trucks- atleast2 no.)</p> <ul style="list-style-type: none"> • Means of transport (Vehicles) ----- 5 • No means of transport ----- 0 	5	
TS8	<p>b) Relevant Tools and Equipment (sub-contractors) at least 5 no.)</p> <p>Has relevant equipment for work being tendered -----5</p> <p>No relevant equipment for work being tendered-----0</p> <p>Owned is 2 marks each and leased 1 mark</p>	5	

	Financial report (Main Contractor)		
TS9	Annual Turnover for each year (From Audited Accounts for the last 3 years -, (2020, 2021 and 2022) for Contractor only Annual Turn-over equal to or greater than of Ksh. 100M -----15 Annual Turn-over above 50M but below Ksh. 100M -----9 Annual Turn-over below Ksh. 50M ----- 3 No audited Financial Statements attached-----0	15	
TS10	Evidence of Financial Resources (cash in hand, lines of credit, over draft facility etc.)- Bank/Creditors/Letters dated not earlier than June 2023) The Projected Cash flow required is over 10M per month. Has financial resources to finance the projected monthly Cash flow *for three months-- 15 Has financial resources equal to the projected monthly cash flow* -----10 Has financial resources less the projected monthly cash flow*-----5 Has not indicated sources of financial resources -----0	15	
TS11	Bank Details and letter of authorization to seek authority from the bank (Main Contractor) Attached----- 1 Not Attached -----0	1	
TS12	Litigation History/Affidavit signed and Stamped by an Attorney/ Commissioner for Oaths (Main Contractor) Attached----- 2 Not attached -----0	2	
TS13	The tenderer to provide accurate information on the location of their office premises, size of the office, and Direction. Provide lease or title deed or utility bill	2	
TS14	Proposed methodology Adequacy and quality of the proposed methodology Provide a preliminary work Methodology and technical approach. Provided a Methodology on safety during the construction period and on the quality of the work Attached 5 Not attached ----- 0	5	
	Total	100	

Any bidder who scores 75 point and above shall be considered for further evaluation.

FINANCIAL EVALUATION:

Upon completion of the technical evaluation a detailed financial evaluation shall follow. The financial evaluation shall proceed in the manner described in the Public Procurement and Asset Disposal Act (2015) and the Public Procurement and Asset Disposal Regulations, 2020.

The evaluation shall be in **three stages**;

- Comparison of Rates: and
- Consistency of the Rates.
- Arithmetical Error checking

Comparison of rates-

- Items that are underpriced or overpriced may indicate potential for non-delivery and front loading respectively.
- The committee shall promptly write to the tenderer asking for detailed breakdown of costs for any of the quoted items, relationship between those prices, proposed construction/installation methods and schedules.
- The evaluation committee shall evaluate the responses and make an appropriate recommendation to the procuring entity giving necessary evidence. Such recommendations may include but not limited to:
- Recommend no adverse action to the tenderer after a convincing response;
- Employer requiring that the amount of the performance bond be raised at the expense of the successful tenderer to a level sufficient to protect the employer against potential financial losses;
- Recommend non-award based on the response provided and the available demonstrable evidence that the scope, quality, completion timing, administration of works to be undertaken by the tenderer, would adversely be affected or the rights of the employer or the tenderers obligations would be limited in a substantial way.

Consistency of the Rates

The evaluation committee will compare the consistency of rates for similar items and note all inconsistencies of the rates for similar items.

Arithmetical Error checking

Any errors in the submitted tender arising from a miscalculation of unit price, quantity, sub-total and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive.

STAGE 4 - RECOMMENDATION FOR AWARD

The successful bidder shall be the tenderer with the lowest evaluated tender price.

Evaluation of Commercial Terms and Conditions of the Tender (ITT 33.1(a)):

The Procuring Entity shall determine whether the Tenders are substantially responsive to the Commercial and Contractual Terms and Conditions (e.g., Performance securities, Payment, and delivery schedules).

[The Procuring Entity will highlight herein any particular requirements under the Contract which the Tenderer is required to specifically confirm or provide information to enable evaluation of Commercial Terms and Conditions of the Tender]

Evaluation Criteria (Other Factors) (ITT 33.6)

The Procuring Entity's evaluation of a Tender may consider, in addition to the Tender Price quoted in accordance with ITT 13.8, one or more of the following factors as specified in ITT 33.2(d) and in TDSITT 33.6, **using** the following criteria and methodologies.

a) Delivery schedule.

The Goods specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section V, Schedule of Requirements. No credit will be given to deliveries before the earliest date, and Tenders offering delivery after the final date shall be treated as non-responsive. Within this acceptable period, an adjustment of [insert the adjustment factor], will be added, for evaluation purposes only, to the Tender price of Tenders offering deliveries later than the "Earliest Delivery Date" specified in Section V, Schedule of Requirements.

[An adjustment factor of 0.5% per week of delay would be reasonable. However, the adjustment factor should not be more than the rate of Liquidated Damages to be applied in case of delay in delivery of Goods and Services under the Contract conditions.]

Multiple Contracts (ITT 33.4)

Multiple contracts will not be permitted in accordance with ITT 33.2. Tenderers are evaluated on basis of Lots and the lowest evaluated tenderer identified for each Lot. The Procuring Entity will select one Option of the two Options listed below for award of Contracts.

OPTION 1

If a tenderer wins only one Lot, the tenderer will be awarded a contract for that Lot, provided the tenderer meets the Eligibility and Qualification Criteria for that Lot.

If a tenderer wins more than one Lot, the tender will only be awarded contracts for only one Lot.

Alternative Tenders

(ITT 13.1) *An alternative if permitted under ITT 13.1, will be evaluated as follows*

“A Tenderer may submit an alternative Tender only with a Tender for the base case. The Procuring Entity shall only consider the alternative Tenders offered by the Tenderer whose Tender for the base case was determined to be the Lowest Evaluated Tender.”

or

“A Tenderer may submit an alternative Tender with or without a Tender for the base case. The Procuring Entity shall consider Tenders offered for alternatives as specified in the Technical Specifications of Section V, Schedule of Requirements. All Tenders received, for the base case, as well as alternative Tenders meeting the specified requirements, shall be evaluated on their own merits in accordance with the same procedures, as specified in the ITT 33.”

MARGIN OF PREFERENCE

If the TDS so specifies, the Procuring Entity will grant a margin of preference of 15% (fifteen percent) to Tenderers offering goods manufactured, mined, extracted, grown, assembled or semi-processed in Kenya. Goods assembled or semi-processed in Kenya shall have a local content of not less than 40%.

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

Tenderers applying for such preference on goods offered shall provide, as part of the data for qualification, such information, including details of the goods produced in Kenya, so as to determine whether, according to the classification established by the Procuring Entity, a particular category of goods or group of goods qualifies for a margin of preference.

After Tenders have been received and reviewed by the Procuring Entity, goods offered in the responsive Tenders shall be assessed to ascertain they are manufactured, mined, extracted, grown, assembled or semi-processed in Kenya. Responsive tenders shall be classified into the following groups:

Group A: Tenders offering goods manufactured in Kenya, for which (a) labor, raw materials, and components from within Kenya account for more than forty (40) percent of the Ex-Works price; and (b) the production facility in which they will be manufactured or assembled has been engaged in manufacturing or assembling such goods at least since the date of Tender Submission date.

Group B: All other Tenders offering Goods manufactured in Kenya.

Group C: Tenders offering Goods manufactured outside Kenya that have been already imported or that will be imported.

To facilitate this classification by the Procuring Entity, the Tenderer shall complete whichever version of the Price Schedule furnished in the Tender Documents is appropriate. Incorrect classification may render the Tender non-responsive as no reclassification will be permitted after Tender opening. Tenderers shall provide correct information especially with respect to duties, taxes etc. paid on previously imported Goods and percentage of local Labour, materials and components for Goods manufactured in Kenya as any false information which cannot be supported by documentation may render the Tender non-responsive besides other sanctions for providing falsified information.

The Procuring Entity will first review the Tenders to confirm the appropriateness of the Tender group classification to which Tenderers assigned their Tenders in preparing their Tender Forms and Price Schedules.

All evaluated Tenders in each group will then be compared to determine the lowest evaluated Tender of each group. Such lowest evaluated Tenders shall be compared with each other and if as a result of this comparison a Tender from Group A or Group B is the lowest, it shall be selected for the award.

If as a result of the preceding comparison, the lowest evaluated Tender is a Tender from Group C, all Tenders from Group C shall be further compared with the lowest evaluated Tender from Group A after adding to the evaluated price of goods offered in each Tender from Group C, for the purpose of this further comparison only, an amount equal to 15% (fifteen percent) of the respective CIP Tender price for goods to be imported and already imported goods. Both prices shall include unconditional discounts and be corrected for arithmetical errors. If the Tender from Group A is the lowest, it shall be selected for award. If not, the lowest evaluated Tender from Group C shall be selected as per paragraph (e) above.”

Post-Qualification of Tenderers (ITT 37)

[Note for Procuring Entity to be deleted before issuing the tender documents.]

This STD for Procurement of Goods assumes that no Prequalification has taken place before tendering. However, if a Prequalification process is undertaken, the Qualification Criteria stipulated in this Section III, Evaluation and Qualification Criteria must be updated to ensure that the Tenderer and any Sub- Suppliers shall meet or continue to meet the Criteria used at the time of Prequalification.]

Post-Qualification Criteria (ITT 37.1)

In case the tender was not subject to pre-qualification, the tender that has been determined to be the lowest evaluated tenderer shall be considered for contract award, subject to meeting each of the following conditions (post qualification Criteria applied on a GO/NO GO basis). The Procuring Entity shall carry out the post- qualification of the Tenderer in accordance with ITT 37, using only the requirements specified herein. Requirements not included in the text below shall not be used in the evaluation of the Tenderer's qualifications. The minimum qualification requirements for multiple contracts will be the sum of the minimum requirements for respective individual contracts, unless otherwise specified.

[Note for Procuring Entity to be deleted before issuing the tender documents.

Select requirements (criteria) for post qualification from below as relevant and appropriate for the nature, size and type of Goods and Services to be procured. Generally, for procurement of Goods, unless the value of the item is very large, the criteria for assessment of Manufacturer's technical capability should always be considered more important than its financial resources. For very small value items, the criteria for financial capability may even be omitted].

If the Tenderer is a manufacturer

Financial Capability

The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the supply cash flow of Kenya Shillings

[or equivalent].

Minimum average annual supply turnover of Kenya Shillings [insert amount, specify a figure about 2.5 times the total Tender price] or equivalent calculated as total certified payments received for contracts of goods manufactured and supplied within the last _____ [insert number of years). In case of multiple contracts, limitation will be placed on the number of item(s) that will be awarded to the Tenderer.

Experience and Technical Capacity

The Tenderer shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s) using the form provided in Section IV. In case the Tenderer is a JV, experience and demonstrated technical capacity of only the JV shall be taken into account and not of individual members nor their individual experience/capacity will be aggregated unless all members of the JV have been manufacturing and supplying Goods offered in the Tender to the same technology, processing, design, materials, specifications, model number, etc. in all respects such that Goods manufactured have the same functional characteristics, performance parameters, outputs and other guarantees and fully interchangeable which shall be documented along with other required documents demonstrating capacity to the satisfaction of the Procuring Entity in case individual members claim experience. Otherwise, documents evidencing experience and technical capacity shall be in the name of the JV that submitted the Tender. Wherever the Words "Similar Goods" have been used it includes upgrades, latest and improved versions, or models of similar specifications and technology. Refer to Form Exp-1 to provide the required information.

[list the requirement(s), including experience in successfully implementing sustainable procurement requirements, if specified in the tender document.] Samples of Experience Requirements:

The Tenderer shall be manufacturing similar Goods for the last _____ (specify the number of years to cover a sufficiently long period ranging from 2 to 5 years depending upon the Goods to be procured). The Tenderer shall furnish documentary evidence to demonstrate successful completion of at least (Insert number) of contracts of similar Goods in the last _____ (specify number) each contract costing at least Kenya shillings equivalent and involving a supply of at least percentage of required quantity (usually the percentage is about 70-80%) in some cases where Procuring Entity requires deliveries in a scheduled manner over a specified time, include item (iii) below.

(Optional) The installed capacity to manufacture number of items (specify the relevant item number) shall not be less than units per _____ (specify week or month).

(Optional) Documentary Evidence of Usage of Goods (When appropriate)

The Tenderer shall furnish documentary evidence satisfactory to the Procuring Entity to demonstrate that similar Goods as offered in the Tender have been in successful use or operation for the last years. If the Tenderer is a JV, the evidence of demonstrated usage of Goods supplied in the past shall be in the name of the JV.

If Tenderer is a Supplier:

If a Tenderer is a Supplier offering the Goods on behalf of or from a Manufacturer under Manufacturer's Authorization Form (Section IV, Tendering Forms), the Manufacturer shall demonstrate the above qualifications 4.2 (b) (i), (ii), and (iii) and the Tenderer shall demonstrate it meets the following criteria.

The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the supply cash flow of Kenya Shillings

Minimum average annual supply turnover of Kenya Shillings
[insert amount] or equivalent calculated as total certified payments received for contracts in progress and/or completed within the last [insert of year] years, divided by [insert number of years] years.

Has satisfactorily and substantially completed at least _____ (specify number) contract(s) of a similar nature either within Kenya, the East African Community or abroad, as a prime supplier or a joint venture member, each of a minimum value in Kenya shillings

equivalent.

History of non-performing contracts:

Tenderer (Supplier or/and manufacturer, and each member of JV in case the Tenderer is a JV, shall demonstrate that Non-performance of a contract did not occur as a result of the default of the Tenderer, manufacturer or the member of JV as the case may be, in the last(specify years). The required information shall be furnished as per form CON-2].

Pending Litigation

Financial position and prospective long-term profitability of the Single Tenderer, and in the case the Tenderer is a JV, of each member of the JV, shall remain sound according to criteria established with respect to Financial Capability under paragraph I (i) above assuming that all pending litigation will be resolved against the Tenderer. Tenderer shall provide information on pending litigations as per Form CON-2.

Litigation History

There shall be no consistent history of court/arbitral award decisions against the Tenderer, in the last (specify years). All parties to the contract shall furnish the information on the related Form (CON-2) about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the years specified. A consistent history of awards against the Tenderer or any member of a JV may result in rejection of the tender.

SECTION IV - TENDERING FORMS

Form of Tender Tenderer Information Form Tenderer JV Members Information Form

Price Schedule: Goods Manufactured Outside Kenya, to be Imported Price Schedule: Goods Manufactured

Outside Kenya, already imported Price Schedule: Goods Manufactured in Kenya Price and Completion

Schedule - Related Services Form of Tender Security - Demand Guarantee Form of Tender Security (Tender Bond)

Form of Tender-Securing Declaration Manufacturer's Authorization Form

FORM OF TENDER

INSTRUCTIONS TO TENDERERS

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

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

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

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

Name **and** **Identification:** *[insert identification]* **Alternative**

No *[insert identification No if this is a Tender for an alternative]*

To: *[Insert complete name of Procuring Entity]*

No reservations: We have examined and have no reservations to the Tendering document, including Addenda issued in accordance with Instructions to tenderers (ITT 7).

Eligibility: We meet the eligibility requirements and have no conflict of interest in accordance with ITT 3.

Tender/Proposal-Securing Declaration: We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing Declaration. Or Proposal-Securing Declaration in Kenya in accordance with ITT 3.6.

Conformity: We offer to supply in conformity with the Tendering document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: *[insert a brief description of the Goods and Related Services]*.

Tender Price: The total price of our Tender, excluding any discounts offered in item (f) below is:

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

or

Option 2, in case of multiple lots: (a) Total price of each lot *[insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies]*; and (b) Total price of all lots (sum of all lots) *[insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies]*.

Discounts: The discounts offered and the methodology for their application are:

The discounts offered are: *[Specify in detail each discount offered.]*

The exact method of calculations to determine the net price after application of discounts are shown below: *[Specify in detail the method that shall be used to apply the discounts].*

Tender Validity Period: Our Tender shall be valid for the period specified in TDS 17.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 21.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Performance Security: If our Tender is accepted, we commit to obtain a performance security in accordance with the Tendering document.

One Tender per tenderer: We are not submitting any other Tender(s) as an individual tenderer, and we are not participating in any other Tender(s) as a Joint Venture member, or as a subcontractor, and meet the requirements of ITT3.9, other than alternative Tenders submitted in accordance with ITT 12.

Suspension and Debarment: We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring Entity. Further, we are not ineligible under the Kenya laws or official regulations or pursuant to a decision of the United Nations Security Council.

State-owned enterprise or institution: *[select the appropriate option and delete the other] [We are not a state- owned*

enterprise or institution] / [We are a state-owned enterprise or institution but meet the requirements of ITT 3.7].

Commissions, gratuities, fees: We have paid, or will pay the following commissions, gratuities, or fees with respect to the Tendering process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount

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

Binding Contract: We understand that this Tender, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed.

Procuring Entity Not Bound to Accept: We understand that you are not bound to accept the lowest evaluated cost Tender, the Best Evaluated Tender or any other Tender that you may receive; and

Fraud and Corruption: We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.

Code of Ethical Conduct: We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal, copy available from *(specify website)* during the procurement process and the execution of any resulting contract.

Collusive practices: We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the "Certificate of Independent tender Determination" attached below.

Beneficial Ownership Information: We commit to provide to the procuring entity the Beneficial Ownership Information in conformity with the Beneficial Ownership Disclosure Form upon receipt of notification of intention to enter into a contract in the event we are the successful tenderer in this subject procurement proceeding.

We, the Tenderer, have duly completed, signed, and stamped the following Forms as part of our Tender:

Tenderer's Eligibility: Confidential Business Questionnaire - to establish we are not in any conflict to interest.

Certificate of Independent Tender Determination - to declare that we completed the tender without colluding with other tenderers.

Self-Declaration of the Tenderer - to declare that we will, if awarded a contract, not engage in any form of fraud and corruption; and

Declaration and Commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal.

Further, we confirm that we have read and understood the full content and scope of fraud and corruption as informed in "**Appendix 1- Fraud and Corruption**" attached to the Form of Tender.

Name of the tenderer: **[insert complete name of the tenderer]*

Name of the person duly authorized to sign the Tender on behalf of the tenderer: ***[insert complete name of person duly authorized to sign the Tender]*

Title of the person signing the Tender: *[insert complete title of the person signing the Tender]* **Signature of the person named**

above: *[insert signature of person whose name and capacity are shown above]* **Date signed** *[insert date of signing]* **day of** *[insert month]*, *[insert year]*

*: In the case of the Tender submitted by a Joint Venture specify the name of the Joint Venture as tenderer.

**: Person signing the Tender shall have the power of attorney given by the tenderer. The power of attorney shall be attached with the Tender Schedules.

CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

I, the undersigned, in submitting the accompanying Letter of Tender to the [Name of Procuring Entity] for: [Name and number of tender] in response to the request for tenders made by: [Name of Tenderer] do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of _____
[Name of Tenderer] that:

I have read and I understand the contents of this Certificate.

I understand that the Tender will be disqualified if this Certificate is found not to be true and complete in every respect.

I am the authorized representative of the Tenderer with authority to sign this Certificate, and to submit the Tender on behalf of the Tenderer.

For the purposes of this Certificate and the Tender, I understand that the word "competitor" shall include any individual or organization, other than the Tenderer, whether or not affiliated with the Tenderer, who:

has been requested to submit a Tender in response to this request for tenders.

could potentially submit a tender in response to this request for tenders, based on their qualifications, abilities or experience.

The Tenderer discloses that [check one of the following, as applicable]:

The Tenderer has arrived at the Tender independently from, and without consultation, communication, agreement, or arrangement with, any competitor.

the Tenderer has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this request for tenders, and the Tenderer discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements.

In particular, without limiting the generality of paragraphs (5)(a) or (5)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

prices.

methods, factors, or formulas used to calculate prices.

the intention or decision to submit, or not to submit, a tender; or
the submission of a tender which does not meet the specifications of the request for Tenders;
except as specifically disclosed pursuant to paragraph (5)(b) above.

In addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the works or services to which this request for tenders relates, except as specifically authorized by the procuring authority or as specifically disclosed pursuant to paragraph (5)(b) above.

the terms of the Tender have not been, and will not be, knowingly disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening, or of the awarding of the Contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (5)(b) above.

Name Title _ Date

[Name, title, and signature of authorized agent of Tenderer and Date]

SELF-DECLARATION FORMS

FORM SD1

SELF DECLARATION THAT THE PERSON/TENDERER IS NOT DEBARRED IN THE MATTER OF THE PUBLIC PROCUREMENT AND ASSET DISPOSAL ACT 2015.

I of Post Office Boxbeing a resident
of in the Republic of do hereby make a statement as follows: -

THAT I am the Company Secretary/ Chief Executive/Managing Director/Principal Officer/Director of (*insert name of the Company*) who is a Bidder in respect of **Tender No.** for (*insert tender title/description*) for (*insert name of the Procuring entity*) and duly authorized and competent to make this statement.

THAT the aforesaid Bidder, its Directors and subcontractors have not been debarred from participating in procurement proceeding under Part IV of the Act.

THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

(Title)

(Signature)

(Date)

Bidder Official Stamp

FORM SD2

SELF DECLARATION THAT THE PERSON/TENDERER WILL NOT ENGAGE IN ANY CORRUPT OR FRAUDULENT PRACTICE

I, of P.O. Box..... being a resident of in the Republic of..... do hereby make a statement as follows: -

THAT I am the Chief Executive/Managing Director/Principal Officer/Director of (*Insert name of the Company*) who is a Bidder in respect of **Tender No.....** for..... (*Insert tender title/description*) for..... (*Insert name of the Procuring entity*) and duly authorized and competent to make this statement.

THAT the aforesaid Bidder, its servants and/or agents /subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board, Management, Staff and/or employees and/or agents of..... (*insert name of the Procuring entity*) which is the procuring entity.

THAT the aforesaid Bidder, its servants and/or agents /subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents of (*name of the procuring entity*).

THAT the aforesaid Bidder will not engage/has not engaged in any corrosive practice with other bidders participating in the subject tender.

THAT what is deponed to herein above is true to the best of my knowledge information and belief.

Bidder's Official Stamp

DECLARATION AND COMMITMENT TO THE CODE OF ETHICS

I (Person) on behalf of (**Name of the Business/ Company/Firm**) declare that I have read and fully understood the contents of the Public Procurement & Asset Disposal Act, 2015, Regulations and the Code of Ethics for persons participating in Public Procurement and Asset Disposal and my responsibilities under the Code.

I do hereby commit to abide by the provisions of the Code of Ethics for persons participating in Public Procurement and Asset Disposal.

Name of Authorized signatory

Sign

Position

Office address Telephone.....

E-mail

Name of the Firm/Company

Date

(Company Seal/ Rubber Stamp where applicable)

Witness

Name

Sign

Date

APPENDIX 1- FRAUD AND CORRUPTION

(Appendix 1 shall not be modified)

Purpose

The Government of Kenya's Anti-Corruption and Economic Crime laws and their sanction's policies and procedures, Public Procurement and Asset Disposal Act (*no. 33 of 2015*) and its Regulation, and any other Kenya's Acts or Regulations related to Fraud and Corruption, and similar offences, shall apply with respect to Public Procurement Processes and Contracts that are governed by the laws of Kenya.

Requirements

The Government of Kenya requires that all parties including Procuring Entities, Tenderers, (applicants/proposers), Consultants, Contractors and Suppliers; any Sub-contractors, Subconsultants, Service providers or Suppliers; any Agents (whether declared or not); and any of their Personnel, involved and engaged in procurement under Kenya's Laws and Regulation, observe the highest standard of ethics during the procurement process, selection and contract execution of all contracts, and refrain from Fraud and Corruption and fully comply with Kenya's laws and Regulations as per paragraphs 1.1 above.

Kenya's public procurement and asset disposal act (*no. 33 of 2015*) under Section 66 describes rules to be followed and actions to be taken in dealing with Corrupt, Coercive, Obstructive, Collusive or Fraudulent practices, and Conflicts of Interest in procurement including consequences for offences committed. A few of the provisions noted below highlight Kenya's policy of no tolerance for such practices and behavior:

a person to whom this Act applies shall not be involved in any corrupt, coercive, obstructive, collusive or fraudulent practice; or conflicts of interest in any procurement or asset disposal proceeding.

A person referred to under subsection (1) who contravenes the provisions of that sub-section commits an offence.

Without limiting the generality of the subsection (1) and (2), the person shall be—

a) disqualified from entering into a contract for a procurement or asset disposal proceeding; or b) if a contract has already been entered into with the person, the contract shall be voidable.

The voiding of a contract by the procuring entity under subsection (7) does not limit any legal remedy the procuring entity may have.

An employee or agent of the procuring entity or a member of the Board or committee of the procuring entity who has a conflict of interest with respect to a procurement: - a) shall not take part in the procurement proceedings.

shall not, after a procurement contract has been entered into, take part in any decision relating to the procurement or contract; and

shall not be a subcontractor for the bidder to whom was awarded contract, or a member of the group of bidders to whom the contract was awarded, but the subcontractor appointed shall meet all the requirements of this Act.

An employee, agent or member described in subsection (1) who refrains from doing anything prohibited under that subsection, but for that subsection, would have been within his or her duties shall disclose the conflict of interest to the procuring entity.

If a person contravenes subsection (1) with respect to a conflict of interest described in subsection (5)(a) and the contract is awarded to the person or his relative or to another person in whom one of them had a direct or indirect pecuniary interest, the contract shall be terminated, and all costs incurred by the public entity shall be made good by the awarding officer. Etc.

In compliance with Kenya's laws, regulations and policies mentioned above, the Procuring Entity:

Defines broadly, for the purposes of the above provisions, the terms set forth below as follows:

"Corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party.

“fraudulent practice” is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation.

“collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party.

“coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party.

“Obstructive practice” is:

deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede investigation by Public Procurement Regulatory Authority (PPRA) or any other appropriate authority appointed by Government of Kenya into allegations of a corrupt, fraudulent, coercive, or collusive practice; and/or threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or

acts intended to materially impede the exercise of the PPRA’s, or the appointed authority’s inspection and audit rights provided for under paragraph 2.3 e. below.

Defines more specifically, in accordance with the above procurement Act provisions set forth for fraudulent and collusive practices as follows:

“fraudulent practice” includes a misrepresentation of fact in order to influence a procurement or disposal process or the exercise of a contract to the detriment of the procuring entity or the tenderer or the contractor, and includes collusive practices amongst tenderers prior to or after tender submission designed to establish tender prices at artificial non-competitive levels and to deprive the procuring entity of the benefits of free and open competition.

Rejects a proposal for award¹ of a contract if PPRA determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, subcontractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question.

Pursuant to the Kenya’s above stated Acts and Regulations, may sanction or debar or recommend to appropriate authority (ies) for sanctioning and debarment of a firm or individual, as applicable under the Acts and Regulations.

Requires that a clause be included in Tender documents and Request for Proposal documents requiring (i) Tenderers (applicants/proposers), Consultants, Contractors, and Suppliers, and their Sub-contractors, Sub-consultants, Service providers, Suppliers, Agents personnel, permit the PPRA or any other appropriate authority appointed by Government of Kenya to inspect² all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the PPRA or any other appropriate authority appointed by Government of Kenya; and

Pursuant to Section 62 of the above Act, requires Applicants/Tenderers to submit along with their Applications/Tenders/Proposals a “Self-Declaration Form” as included in the procurement document declaring that they and all parties involved in the procurement process and contract execution have not engaged/will not engage in any corrupt or fraudulent practices.

¹
For the avoidance of doubt, a party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for prequalification, expressing interest in a consultancy, and tendering, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

2....., ... ■ , , , ,.....

Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Investigating Authority or persons appointed by the Procuring Entity to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

TENDERER INFORMATION FORM

[The tenderer shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

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

Tender Name and Identification..... *[Insert identification*

Alternative No.....*[insert identification No if this is a Tender for an alternative]* Page ___ of _
_____ pages

Tenderer's Name *[insert Tenderer's legal name]*

In case of JV, legal name of each member: *[insert legal name of each member in JV]*

Tenderer is actual or intended country of registration: *[insert actual or intended country of registration]*

Tenderer's year of registration: *[insert Tenderer's year of registration]*

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

Tenderer's Authorized Representative Information

Name: *[insert Authorized Representative's name]*

Address: *[insert Authorized Representative's Address]*

Telephone/Fax numbers: *[insert Authorized Representative's telephone/fax numbers]*

Email Address: *[insert Authorized Representative's email address]*

Attached are copies of original documents of *[check the box(es) of the attached original documents]*

For Kenyan Tenderers, a current tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority in accordance with ITT 3.14.

Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITT 3.4.

In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT 3.1.

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

Legal and financial autonomy

Operation under commercial law

Establishing that the tenderer is not under the supervision of the Procuring Entity

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

TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

Instruction to Tenderer

Tender is instructed to complete the particulars required in this Form, *one form for each entity if Tender is a JV.* Tenderer is further reminded that it is an offence to give false information on this Form.

A. Tenderer's details

ITEM	DESCRIPTION
------	-------------

1	Name of the Procuring Entity	
2	Name of the Tenderer	
3	Full Address and Contact Details of the Tenderer.	Country City Location Building Floor Postal Address Name and email of contact person.
4	Reference Number of the Tender	
5	Date and Time of Tender Opening	
6	Current Trade License No and Expiring date	
7	Maximum value of business which the Tenderer handles.	
8		

General and Specific Details

Sole Proprietor, provide the following details.

Name in full _____

Age Nationality

Country of Origin Citizenship

Partnership, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

Registered Company, provide the following details.

Private or public Company

State the nominal and issued capital of the Company-

Nominal Kenya Shillings (Equivalent)

Issued Kenya Shillings (Equivalent)

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

DISCLOSURE OF INTEREST- Interest of the Firm in the Procuring Entity.

Are there any person/persons in (Name of Procuring Entity) who has an interest or relationship in this firm? Yes/No.....

If yes, provide details as follows.

	Names of Person	Designation in the Procuring Entity	Interest or Relationship with Tenderer
1			
2			
3			

(ii) Conflict of interest disclosure

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Tenderer has a relationship with another tenderer, directly or through common third parties that puts it in a position to influence the tender of another tenderer or influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Tender Document.		
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring		

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
	Entity who would be involved in the implementation or supervision of the Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract?		

Certification

On behalf of the Tenderer, I certify that the information given above is correct.

Full Name _____

Title or Designation _____

(Signature)

(Date)

TENDERER'S JV MEMBERS INFORMATION FORM

[The tenderer shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the tenderer and for each member of a Joint Venture]].

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

Tender Name and Identification: *[insert identification Alternative No [insert identification No if this is a Tender for an alternative].*

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Tenderer's Name:

[insert Tenderer's legal name]

Tenderer's JVMember's name: *[insert JV's Member legal name]*

Tenderer's JVMember's country of registration: *[insert JV's Member country of registration]*

Tenderer's JVMember's year of registration: *[insert JV's Member year of registration]*

Tenderer's JVMember's legal address in country of registration: *[insert JV's Member legaladdress in country of registration]*

Tenderer's JV Member's authorized representative information

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

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

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

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

Attached are copies of original documents of *[check the box(es) of the attached original documents]*

Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITT 4.4.

In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Procuring Entity, in accordance with ITT 4.6.

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

Price Schedule Forms

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

Tenderer's name (Company) _____

Signature _____

Date _____

MECHANICAL EQUIPMENT'S FOR ESISE PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	LABORATORY INSTALLATION L. P. Gas cylinder (25 kg) fully charged	2	No.		-
B	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	3	No.		-
C	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	6	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	6	No.		-
E	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
F	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)	
A B C D	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p> <p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	1 1 1 1	No No No No		- - - -	
	Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For 5No. Classrooms(1Level) at Esise Primary		-

<u>MECHANICAL EQUIPMENT'S FOR MANGA GIRLS SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
CD	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	6	No		-
	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
Total Fire Protection Installation Works at Manga Girls					-

MECHANICAL EQUIPMENT'S FOR ST. PATRICK KAHAWA SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total Cost for Mechanical Installation Works Carried to the Main Summary Page					-

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Supply, deliver, install, test and commission the following appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors.				
	Kitchen Equipment's				
A	Economic kuni Jiko with associated Chimney extract System	4	No.		-
	Testing and commissioning				
B	Allow for testing and commissioning	1	No.		-
Total for Equipment's Carried to Summary Page					-

Collection Page

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Equipment's at St Patrick Kahawa		-

MECHANICAL EQUIPMENT'S FOR MECHEO SDA SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
D	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
B	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
C	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
D	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
E	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	4	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block at Mecheo SDA		-

MECHANICAL EQUIPMENT'S FOR NYANSIONGO BOYS HIGH SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	4	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	64	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	128	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	128	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	64	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	2	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	16	Lm		-
E F	Holder bats for 200mm diameter pipework	2	Item		-
G H	200mm diameter Bends	4	No.		-
I	200mm diameter ventilating Cowls	2	No.		-
	weathering Slate for 200mm Ø pipe	2	No.		-
	Weathering Apron for 200mm Ø pipe	2	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Laboratories at Nyansiongo Boys		-

MECHANICAL EQUIPMENT'S FOR ST. ANDREWS KAGGWA BOYS PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p>				
A	<p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	4	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
Total Cost for Mechanical Installation Works Carried to the Main Summary Page					-

MECHANICAL EQUIPMENT'S FOR ERONGE ADVENTIST PRIMARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
CD	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	3	No		-
	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
Total Fire Protection Installation Works at Eronge Adv					-

<u>MECHANICAL EQUIPMENT'S FOR KINENI ELCK SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
CD	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total Fire Protection Installation Works at KINENI ELCK					-

MECHANICAL EQUIPMENT'S FOR MENYENYA SDA SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Supply, deliver, install, test and commission the following appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors.				
	Kitchen Equipment's				
A	Economic kuni Jiko with associated Chimney extract System	4	No.		-
	Testing and commissioning				
B	Allow for testing and commissioning	1	No.		-
Total for Equipment's Carried to Summary Page					-

MECHANICAL EQUIPMENT'S FOR GESIBEI PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	3	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	6	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	6	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A B C D	<p>Portable Fire Extinguishers</p> <p>Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher</p> <p>9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Carbon Dioxide Gas Fire Extinguisher</p> <p>5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Manual Alarm Bell</p> <p>9" (225mm) manual operated alarm bell (Gong)</p> <p>Dry Chemical Powder Fire Extinguisher</p> <p>6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
	4	No		-	
	4	No		-	
	4	No		-	
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type B (3Levels) at Gesibei Primary		-

MECHANICAL EQUIPMENT'S FOR RIAMANOTI PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	3	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	6	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	6	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- -"vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	1	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	1	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	1	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	1	No		-
Total carried to collection page for Fire Protection Works					-
<u>COLLECTION PAGE FOR EQUIPMENT'S</u>					
Item	Description				Amount (Kshs)
1	Total carried forward from page M/D-1				-
2	Total carried forward from page M/D-2				-
Total for Equipment's For 5No. Classrooms(1Level) at Riamanoti Primary					-

MECHANICAL EQUIPMENT'S FOR MOSOBETI DOK PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and				
B	¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.				
C		5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- -"vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.				
E		5	No.		-
	Dilution Recovery Traps				
	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.				
F		1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	2	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For Classrooms(1Level) at Mosobeti		-

MECHANICAL EQUIPMENT'S FOR ENCHORO SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "-vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class ‘D’	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block Type A(4Levels) For Enchoro		-

<u>MECHANICAL EQUIPMENT'S FOR MOKOMONI SDA PRIMARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	2	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type D (1Level) at Mokomoni		-

MECHANICAL EQUIPMENT'S FOR ST. MARYS MONGORISI SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	10	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	10	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	10	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	10	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block at St. Marys Mongorisi		-

MECHANICAL EQUIPMENT'S FOR NYAGACHI PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	3	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	6	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	6	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type D (1Level) at Nyagachi		-

MECHANICAL EQUIPMENT'S FOR RIYABE MIXED SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
CD	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	3	No		-
	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
Total Fire Protection Installation Works Riyabe					-

MECHANICAL EQUIPMENT'S FOR KENYERERE TTC

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
	Total carried Collection page for lab Installation Works				-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For 5No. Classrooms(1Level)-Kenyerere		-

MECHANICAL EQUIPMENT'S FOR SUNGUTUA DEB SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block Sungututa		-

MECHANICAL EQUIPMENT'S FOR NYANTARO DEB PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type D (1Level) at Nyantaro		-

MECHANICAL EQUIPMENT'S FOR KENANI DOK PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u> Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as				
B	Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.				
C		5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- -"vultex lab line "				
E	bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.				
F		1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	2	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type D (1Level) at Kenani DOK		-

MECHANICAL EQUIPMENT'S FOR NYASUMI MIXED SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D					
E F	200mm diameter uPVC pipework class ‘D’	8	Lm		-
G H	Holder bats for 200mm diameter pipework	1	Item		-
I	200mm diameter Bends	2	No.		-
	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block at Nyasumi		-

MECHANICAL EQUIPMENT'S FOR ST. ANDREW NYABIGEGE SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class ‘D’	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block at Nyabigege		-

MECHANICAL EQUIPMENT'S FOR ST. PAUL NYACHICHI SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adaptor, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class ‘D’	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block at Nyachichi		-

MECHANICAL EQUIPMENT'S FOR KIABIRAA PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u> Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as				
B	Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.				
C		5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line "				
E	bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.				
F		1	No.		-
Total carried Collection page for Lab Installation Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type D (1Level) at Kiabiraa Primary		-

MECHANICAL EQUIPMENT'S FOR TOMBE MIXED SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as				
B	Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.				
C		64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line "				
E	bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.				
F		4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	8	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	8	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	8	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	8	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Blocks 3Levels & 2 Level Tombe Sec		-

MECHANICAL EQUIPMENT'S FOR GEKE SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
	Total carried Collection page for Lab Installation Works				-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D					
E F	200mm diameter uPVC pipework class ‘D’	8	Lm		-
G H	Holder bats for 200mm diameter pipework	1	Item		-
I	200mm diameter Bends	2	No.		-
	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block at Geke Sec		-

MECHANICAL EQUIPMENT'S FOR GESURE ELCK PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u> Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
B					
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
C					
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
E					
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
F					
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	1	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	1	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	1	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	1	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Type D (1Level) at Gesure Primary		-

MECHANICAL EQUIPMENT'S FOR KIANGINDA SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	8	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	8	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	8	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	8	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Kianginda		-

MECHANICAL EQUIPMENT'S FOR MAKAIRO SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p>				
A	<p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	8	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-4	-
Total Cost for Mechanical Installation Works For Makairo		-

MECHANICAL EQUIPMENT'S FOR ST. PETERS NYAKEMINCHA SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D					
E F	200mm diameter uPVC pipework class 'D'	8	Lm		-
G H	Holder bats for 200mm diameter pipework	1	Item		-
I	200mm diameter Bends	2	No.		-
	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block Type A(4Levels) For St Peter Nyakemincha		-

MECHANICAL EQUIPMENT'S FOR NYAMWETUREKO PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For 6No.Classrooms(1Level) at Nyamwetuereko Primary		-

MECHANICAL EQUIPMENT'S FOR NYANGOGE MIXED SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
CD	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	3	No		-
	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	3	No		-
Total Fire Protection Installation Works at Nyangoge Mixed					-

MECHANICAL EQUIPMENT'S FOR IBARA GIRLS SEC SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
Total Cost for Mechanical Installation Works For Tuition Block Type B (3Levels) at Ibara Girls		-

<u>MECHANICAL EQUIPMENT'S FOR KIABONYORU SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p> <p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>				
A		6	No		-
B		6	No		-
CD		6	No		-
		6	No		-
Total Fire Protection Installation Works Carried to Summary Page For Kiabonyoru					-

MECHANICAL EQUIPMENT'S FOR NYAKWEREMA SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and 1/4" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
E	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block Type B (3Levels) atNyakwerema Sec		-

<u>MECHANICAL EQUIPMENT'S FOR NYAMIRANGA SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total Cost for Mechanical Installation Works at Nyamiranga Sec Carried to the Main Summary Page					-

MECHANICAL EQUIPMENT'S FOR EKERUBO GEITAI PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	3	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	6	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For 5No. Classrooms(2Level) at Ekerubo Gietai Primary		-

MECHANICAL EQUIPMENT'S FOR AIC GEITAI GIRLS SECONDARY

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>Extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class ‘D’	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	5	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	5	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	5	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	5	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Tuition Block Type B (3Levels) at Gietai Sec		-

MECHANICAL EQUIPMENT'S FOR KENYORO ELCK SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
4	Total carried forward from page M/D-4	-
Total Cost for Mechanical Installation Works For Kenyoro ELCK		-

MECHANICAL EQUIPMENT'S FOR NYAMAURO SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p>				
A	<p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	8	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
Total Cost for Mechanical Installation Works For NYAMAURO		-

MECHANICAL EQUIPMENT'S FOR NYASIO SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D					
E F	200mm diameter uPVC pipework class 'D'	8	Lm		-
G H	Holder bats for 200mm diameter pipework	1	Item		-
I	200mm diameter Bends	2	No.		-
	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	6	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For for Nyasio		-

<u>MECHANICAL EQUIPMENT'S FOR NYAGOKIANI SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	4	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	64	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	128	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	128	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	64	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	8	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	2	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C					
D					
E	200mm diameter uPVC pipework class 'D'	16	Lm		-
F					
GHI	Holder bats for 200mm diameter pipework	2	Item		-
	200mm diameter Bends	4	No.		-
	200mm diameter ventilating Cowls	2	No.		-
	weathering Slate for 200mm Ø pipe	2	No.		-
	Weathering Apron for 200mm Ø pipe	2	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
	Total carried Collection page for Lab Installation Works				-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	4	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Laboratories at Nyagokiani Boys		-

<u>MECHANICAL EQUIPMENT'S FOR IKONGE PAG SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total Cost for Mechanical Installation Works Carried to the Main Summary Page for Ikonge					-

MECHANICAL EQUIPMENT'S FOR CHISARIA DEB PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total Cost for Mechanical Installation Works Carried to the Main Summary Page for Chisaria					-

MECHANICAL EQUIPMENT'S FOR MESOBWA DEB PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For Classrooms(1Level) at Mesobwa Primary		-
TOTAL FOR 2NO ILRC X2		

MECHANICAL EQUIPMENT'S FOR NYAIRANGA ELCK SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as				
B	Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.				
C		64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.				
E		32	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.				
F		4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For for Nyairanga		-

<u>MECHANICAL EQUIPMENT'S FOR KEBABE GIRLS SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Supply, deliver, install, test and commission the following appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors.				
	Kitchen Equipment's				
A	Economic kuni Jiko with associated Chimney extract System	4	No.		-
	Testing and commissioning				
B	Allow for testing and commissioning	1	No.		-
Total for Equipment's Carried to Summary Page					-

MECHANICAL EQUIPMENT'S FOR OMORARE TECH SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D					
E F	200mm diameter uPVC pipework class 'D'	8	Lm		-
G H	Holder bats for 200mm diameter pipework	1	Item		-
I	200mm diameter Bends	2	No.		-
	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Omorare		-

MECHANICAL EQUIPMENT'S FOR MAAGONGA PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- -"vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For . Classrooms(1Level)-Maagonga		-

MECHANICAL EQUIPMENT'S FOR ERONGE DEB SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total Cost for Mechanical Installation Works Carried to the Main Summary Page for Eronge DEB					-

MECHANICAL EQUIPMENT'S FOR NYAMUSI GIRLS SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
CD	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	6	No		-
	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
Total Fire Protection Installation Works Carried to Summary Page For Nyamusi					-

MECHANICAL EQUIPMENT'S FOR ST. FRANCIS GEKENDO SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	6	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	6	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For St Francis Gekendo		-

MECHANICAL EQUIPMENT'S FOR OKANO PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers</p> <p>Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p>				
A	<p>Water/Carbon Dioxide Gas Fire Extinguisher</p> <p>9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher</p> <p>5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell</p> <p>9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher</p> <p>6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Tuition Block Okano		-

MECHANICAL EQUIPMENT'S FOR MATONGO BOYS SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p> <p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p> <p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>				
A		6	No		-
B		6	No		-
CD		6	No		-
		6	No		-
Total Fire Protection Installation Works Carried to Summary Page For Matongo					-

MECHANICAL EQUIPMENT'S FOR GESAGE SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.</p>				
A	<p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
CD	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	8	No		-
	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	8	No		-
Total Fire Protection Installation Works Carried to Summary Page For Gesage					-

<u>MECHANICAL EQUIPMENT'S FOR IKAMU SDA SECONDARY SCHOOL</u>					
Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Supply, deliver, install, test and commission the following appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors.				
	Kitchen Equipment's				
A	Economic kuni Jiko with associated Chimney extract System	4	No.		-
	Testing and commissioning				
B	Allow for testing and commissioning	1	No.		-
Total for Equipment's Carried to Summary Page for Ikamu					-

MECHANICAL EQUIPMENT'S FOR ESANIGE TECH SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Esanige		-

MECHANICAL EQUIPMENT'S FOR RIOMEGO SDA MIXED PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For 6No. Classrooms(1Level) at Riomego		-

MECHANICAL EQUIPMENT'S FOR ST. CLARE GEKENDO SECONDARY SCHOOL					
Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Supply, deliver, install, test and commission the following appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors.				
	Kitchen Equipment's				
A	Economic kuni Jiko with associated Chimney extract System	4	No.		-
	Testing and commissioning				
B	Allow for testing and commissioning	1	No.		-
Total for Equipment's Carried to Summary Page for St Clare Gekendo					-

MECHANICAL EQUIPMENT'S FOR NTANA MIXED SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as “WOODS” fume cupboard fan size 12” running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class ‘D’	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Ntana		-

MECHANICAL EQUIPMENT'S FOR BOMONDO COG PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	3	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	6	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	6	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
	Total carried Collection page for lab Installation Works				-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	2	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For 5No. Classrooms(1Level) for Bomondo		-

MECHANICAL EQUIPMENT'S FOR ST.JOSEPH'S BIEGO HIGH SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	4	No.		-
B	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
C	12mm diameter 600mm long gas hose pipe to fit.	128	No.		-
D	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	128	No.		-
E	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	64	No.		-
F		4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	2	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	16	Lm		-
E F	Holder bats for 200mm diameter pipework	2	Item		-
G H	200mm diameter Bends	4	No.		-
I	200mm diameter ventilating Cowls	2	No.		-
	weathering Slate for 200mm Ø pipe	2	No.		-
	Weathering Apron for 200mm Ø pipe	2	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total Cost for Mechanical Installation Works For Laboratories at Biego Sec Boys		-

MECHANICAL EQUIPMENT'S FOR EGESIERI DOK PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap)				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.</p> <p>Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
B	<p>Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
C	<p>Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)</p>	2	No		-
D	<p>Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.</p>	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
3	Total carried forward from page M/D-3	-
Total for Equipment's For 5No. Classrooms(1Level)		-

MECHANICAL EQUIPMENT'S FOR BONYUNYU SEC SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
Total carried to collection page for Fire Protection Works					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For Bonyunyu Sec		-

BONYUNYU- NYAMIRA COUNTY

M/D- 1

MECHANICAL EQUIPMENT'S FOR IKURUCHA DOK PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
	Total carried Collection page for lab Installation Works				-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For 5No. Classrooms(1Level) For Ikurucha		-

MECHANICAL EQUIPMENT'S FOR ST. PETERS NYAISA SECONDARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	Gas Outlet (Tap) Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	32	No.		-
	Bunsen Burner Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	64	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	64	No.		-
	Lab sink vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- "vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	32	No.		-
	Dilution Recovery Traps Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	4	No.		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
A	<p>Extract Hood</p> <p>Supply, deliver and install Extract hood of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Width of cabinet having sliding doors made of Aluminum on working surface and side to be approved equivalent</p> <p>extract fan</p> <p>Extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers molded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the hood with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p>	1	No.		-
B	<p>Extract Ductwork</p> <p>Supply, deliver and install 200mm diameter uPVC ductwork for the fume cupboard above.</p>				
C D	200mm diameter uPVC pipework class 'D'	8	Lm		-
E F	Holder bats for 200mm diameter pipework	1	Item		-
G H	200mm diameter Bends	2	No.		-
I	200mm diameter ventilating Cowls	1	No.		-
	weathering Slate for 200mm Ø pipe	1	No.		-
	Weathering Apron for 200mm Ø pipe	1	No.		-
	Allow for laboratory work testing and commissioning	1	Item		-
Total carried Collection page for Lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	4	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		-
					-

Collection Page for Laboratory Installation Works

Item	Page	Cost(Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
3	Total carried forward from page M/D-3	-
Total Cost for Mechanical Installation Works For St Peter Nyaisa		-

MECHANICAL EQUIPMENT'S FOR RANGENYO DOK PRIMARY SCHOOL

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	LABORATORY INSTALLATION				
A	L. P. Gas cylinder (25 kg) fully charged	2	No.		-
	<u>Gas Outlet (Tap)</u>				
B	Low pressure LP gas outlet with a safety drop lever to prevent accidental "turn on" 2 CFM at 2 p.s.i, 4mm diameter outlet and ¼" BSP tail with backnut. The outlet shall be as Vultex Lab line 2-way bench mounted with 2 cocks spaced at 90o angle Model No. VL 2601/D	5	No.		-
	Bunsen Burner				
C	Bunsen Burner to use the L P. Gas with 9mm outside diameter riffled gas inlet tube and air regulator. Overall height 120mm and burner tube of 13mm outside diameter. The burner shall be as PARCO Ltd Ref. BYB-045 R or equal and approved.	5	No.		-
D	12mm diameter 600mm long gas hose pipe to fit.	5	No.		-
	Lab sink				
E	vulcathene black injection molded polypropylene sink with self- draining base and an outlet to accept the waste described below as Cat No 602 complete with:- -"vultex lab line " bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout. - "vulcathene" 1.5 waste, plug back nut , butyl rubber gasket, grating and chain as Cat W 561.	5	No.		-
	Dilution Recovery Traps				
F	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borosilicate glass base and supplied complete with horizontal inlet adapter, vertical intel, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	1	No.		-
Total carried Collection page for lab Installation Works					-

Item	Description	Qty	Unit	Rate (Kshs)	Cost (Kshs)
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 5306.				
A	Water/Carbon Dioxide Gas Fire Extinguisher 9 litres water/carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
B	Carbon Dioxide Gas Fire Extinguisher 5 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	2	No		-
D	Dry Chemical Powder Fire Extinguisher 6kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	2	No		-
Total carried to collection page for Fire Protection Works					-

COLLECTION PAGE FOR EQUIPMENT'S

Item	Description	Amount (Kshs)
1	Total carried forward from page M/D-1	-
2	Total carried forward from page M/D-2	-
Total for Equipment's For 5No. Classrooms(1Level) for Rangenyo		-

MAIN SUMMARY

<u>Item</u>	<u>LOT NO.</u>	<u>Description</u>	<u>Cost(Kshs)</u>
1	1	TOTAL COST FOR EQUIPMETS FOR ESISE PRIMARY CARRIED FROM SUMMARY PAGE	
2	1	TOTAL COST FOR EQUIPMETS FOR MANGA P.A.G GIRLS HIGH SCHOOL CARRIED FROM SUMMARY PAGE	
3	1	TOTAL COST FOR EQUIPMETS FOR ST PATRICK KAHAWA SECONDARY CARRIED FROM SUMMARY PAGE	
4	2	TOTAL COST FOR EQUIPMETS FOR MECHEO SDA SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
5	2	TOTAL COST FOR EQUIPMETS FOR NYANSIONGO BOYS HIGH SCHOOL CARRIED FROM SUMMARY PAGE	
6	2	TOTAL COST FOR EQUIPMETS FOR ST ANDREWS KAGGWA BOYS PRIMARY BOARDING CARRIED FROM SUMMARY PAGE	
7	2	TOTAL COST FOR EQUIPMETS FOR ERONGE ADV.PRIMARY BOARDING CARRIED FROM SUMMARY PAGE	
8	3	TOTAL COST FOR EQUIPMETS FOR KINENI ELCK SECONDARY CARRIED FROM SUMMARY PAGE	
9	3	TOTAL COST FOR EQUIPMETS FOR MENYENYA SDA SECONDARY CARRIED FROM SUMMARY PAGE	
10	4	TOTAL COST FOR EQUIPMETS FOR GESIBEI PRIMARY SCHOOL CARRIED FROM SUMMARY PAGE	
11	4	TOTAL COST FOR EQUIPMETS FOR RIAMANOTI PRIMARY SCHOOL CARRIED FROM SUMMARY PAGE	
12	4	TOTAL COST FOR EQUIPMETS FOR MOSOBETI DOK PRIMARY CARRIED FROM SUMMARY PAGE	
13	4	TOTAL COST FOR EQUIPMETS FOR ENCHORO SEC SCHOOL CARRIED FROM SUMMARY PAGE	-
14	5	TOTAL COST FOR EQUIPMETS FOR MOKOMONI SDA PRIMARY CARRIED FROM SUMMARY PAGE	
15	5	TOTAL COST FOR EQUIPMETS FOR ST MARYS MONGORISI SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
16	5	TOTAL COST FOR EQUIPMETS FOR NYAGACHI PRY CARRIED FROM SUMMARY PAGE	-
17	6	TOTAL COST FOR EQUIPMETS FOR RIYABE MIXED SCHOOL CARRIED FROM SUMMARY PAGE	
18	6	TOTAL COST FOR EQUIPMETS FOR KENYERERE PRIMARY SCHOOL CARRIED FROM SUMMARY PAGE	
19	6	TOTAL COST FOR EQUIPMETS FOR SUNGUTUTA DEB SECONDARY CARRIED FROM SUMMARY PAGE	-
20	6	TOTAL COST FOR EQUIPMETS FOR NYANTARO DEB PRIMARY CARRIED FROM SUMMARY PAGE	-
21	7	TOTAL COST FOR EQUIPMETS FOR KENANI DOK PRIMARY CARRIED FROM SUMMARY PAGE	-
22	7	TOTAL COST FOR EQUIPMETS FOR NYASUMI MIXED SECONDARY CARRIED FROM SUMMARY PAGE	
23	7	TOTAL COST FOR EQUIPMETS FOR ST ANDREW NYABIGEGE SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	

<u>Item</u>	<u>LOT NO.</u>	<u>Description</u>	<u>Cost(Kshs)</u>
24	8	TOTAL COST FOR EQUIPMENTS FOR ST PAUL NYACHICHI SECONDRAR SCHOOL CARRIED FROM SUMMARY PAGE	-
25	8	TOTAL COST FOR EQUIPMENTS FOR KIABIRAA DEB PRIMARY CARRIED FROM SUMMARY PAGE	
26	8	TOTAL COST FOR EQUIPMENTS FOR TOMBE MIXED SECONDARY CARRIED FROM SUMMARY PAGE	
27	9	TOTAL COST FOR EQUIPMENTS FOR GEKE SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
28	9	TOTAL COST FOR EQUIPMENTS FOR GESURE ELCK PRIMARY CARRIED FROM SUMMARY PAGE	
29	9	TOTAL COST FOR EQUIPMENTS FOR KIANGINDA SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
30	10	TOTAL COST FOR EQUIPMENTS FOR MAKAIRO SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	-
31	10	TOTAL COST FOR EQUIPMENTS FOR ST PETERS NYAKEMINCHA SEC CARRIED FROM SUMMARY PAGE	
32	10	TOTAL COST FOR EQUIPMENTS FOR NYAMWETUREKO PRIMARY SCHOOL CARRIED FROM SUMMARY PAGE	
33	11	TOTAL COST FOR EQUIPMETS FOR NYANGOGI MIXED SECONDARY CARRIED FROM SUMMARY PAGE	
34	11	TOTAL COST FOR EQUIPMETS FOR IBARA GIRLS PRIMARY BOARDING CARRIED FROM SUMMARY PAGE	
35	11	TOTAL COST FOR EQUIPMENTS FOR KIABONYORU HIGH SCHOOL CARRIED FROM SUMMARY PAGE	
36	12	TOTAL COST FOR EQUIPMETS FOR ST JOHN NYAKWEREMA SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
37	12	TOTAL COST FOR EQUIPMENTS FOR NYAMIRANGA SECONDARYNSCHOOL CARRIED FROM SUMMARY PAGE	
38	12	TOTAL COST FOR EQUIPMENTS FOR EKERUBO GIETAI PRIMARY BOARDING CARRIED FROM SUMMARY PAGE	
39	12	TOTAL COST FOR EQUIPMETS FOR AIC GIETAI GIRLS SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
40	13	TOTAL COST FOR EQUIPMENTS FOR KENYORO ELCK SECCARRIED FROM SUMMARY PAGE	
41	13	TOTAL COST FOR EQUIPMENTS FOR NYAMAURO SEC CARRIED FROM SUMMARY PAGE	
42	14	TOTAL COST FOR EQUIPMENTS FOR NYASIO SECONDARY CARRIED FROM SUMMARY PAGE	
43	14	TOTAL COST FOR EQUIPMENTS FOR NYAGOKIANI SEC CARRIED FROM SUMMARY PAGE	
44	15	TOTAL COST FOR EQUIPMENTS FOR IKONGE PAG SECONDARY CARRIED FROM SUMMARY PAGE	
45	15	TOTAL COST FOR EQUIPMENTS FOR CHISARIA DEB PRIMARY CARRIED FROM SUMMARY PAGE	
46	15	TOTAL COST FOR EQUIPMENTS FOR MESOBWA PRIMARY CARRIED FROM SUMMARY PAGE	

<u>Item</u>	<u>LOT NO.</u>	<u>Description</u>	<u>Cost(Kshs)</u>
47	15	TOTAL COST FOR EQUIPMENTS FOR NYAIRANGA ELCK SEC CARRIED FROM SUMMARY PAGE	-
48	16	TOTAL COST FOR EQUIPMENTS FOR KEBABE GIRLS SECONDARY CARRIED FROM SUMMARY PAGE	
49	16	TOTAL COST FOR EQUIPMENTS FOR OMORARE TECH SEC CARRIED FROM SUMMARY PAGE	
50	16	TOTAL COST FOR EQUIPMENTS FOR MAAGONGA PRIMARY CARRIED FROM SUMMARY PAGE	
51	16	TOTAL COST FOR EQUIPMENTS FOR ERONGE DEB SEC CARRIED FROM SUMMARY PAGE	
52	17	TOTAL COST FOR EQUIPMENTS FOR NYAMUSI GIRLS SEC CARRIED FROM SUMMARY PAGE	-
53	17	TOTAL COST FOR EQUIPMENTS FOR ST FRANCIS GEKENDO SEC CARRIED FROM SUMMARY PAGE	
54	17	TOTAL COST FOR EQUIPMENTS FOR OKANO PRIMARY CARRIED FROM SUMMARY PAGE	-
55	18	TOTAL COST FOR EQUIPMENTS FOR MATONGO BOYS SEC CARRIED FROM SUMMARY PAGE	
56	18	TOTAL COST FOR EQUIPMENTS FOR GESAGE SEC CARRIED FROM SUMMARY PAGE	
57	18	TOTAL COST FOR EQUIPMENTS FOR IKAMU SDA SEC CARRIED FROM SUMMARY PAGE	-
58	19	TOTAL COST FOR EQUIPMENTS FOR ESANIGE TECH MIXED SEC SCH CARRIED FROM SUMMARY PAGE	-
59	19	TOTAL COST FOR EQUIPMENTS FOR RIOMEGO SDA MIXED PRIMARY CARRIED FROM SUMMARY PAGE	-
60	19	TOTAL COST FOR EQUIPMENTS FOR ST CLARE GEKENDO GIRLS SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
61	20	TOTAL COST FOR EQUIPMENTS FOR NTANA MIXED SEC CARRIED FROM SUMMARY PAGE	
62	20	TOTAL COST FOR EQUIPMENTS FOR BOMONDO COG PRY CARRIED FROM SUMMARY PAGE	
63	20	TOTAL COST FOR EQUIPMENTS FOR ST JOSEPH BIEGO SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
64	20	TOTAL COST FOR EQUIPMENTS FOR EGESIERI DOK PRIMARY SCHOOL CARRIED FROM SUMMARY PAGE	
65	21	TOTAL COST FOR EQUIPMENTS FOR BONYUNYU SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
66	21	TOTAL COST FOR EQUIPMENTS FOR IKURUCHA DOK PRIMARY SCHOOL CARRIED FROM SUMMARY PAGE	-
67	21	TOTAL COST FOR EQUIPMENTS FOR ST PETER NYAISA SECONDARY SCHOOL CARRIED FROM SUMMARY PAGE	
68	21	TOTAL COST FOR EQUIPMENTS FOR RANGENYO DOK PRY CARRIED FROM SUMMARY PAGE	
Total Cost for Mechanical Equipment's For Schools In Nyamira County			

FORM OF TENDER SECURITY- [Option 1-Demand Bank Guarantee]

Beneficiary: _____

Request for Tenders No: _____ **Date:** _____

TENDER GUARANTEE No.: _____

Guarantor: _____

1. We have been informed that (here in after called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here in after called "the Tender") for the execution of under Request for Tenders No. ("the ITT").
2. Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.
3. At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ () upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:
 - a)) has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Applicant; or
 - b) having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension there to provide by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the Performance.
4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) thirty days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[signature(s)]

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

FORMAT OF TENDER SECURITY [Option 2-Insurance Guarantee]

TENDER GUARANTEE No.:

1. Whereas[*Name of the tenderer*] (hereinafter called "the tenderer") has submitted its tender dated[*Date of submission of tender*] for the [*Name and/or description of the tender*] (hereinafter called "the Tender") for the execution of under Request for Tenders No.("the ITT").
2. KNOW ALL PEOPLE by these presents that WE..... of.....[**Name of Insurance Company**] having our registered office at..... (hereinafter called "the Guarantor"), are bound unto.....[*Name of Procuring Entity*] (hereinafter called "the Procuring Entity") in the sum of..... (Currency and guarantee amount) for which payment well and truly to be made to the said Procuring Entity, the Guarantor binds itself, its successors, and assigns, jointly and severally, firmly by these presents.

Sealed with the Common Seal of the said Guarantor this _ day of 20,

3. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Applicant:
 - a) has withdrawn its Tender during the period of Tender validity set forth in the Principal's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Principal; or
 - b) having been notified of the acceptance of its Tender by the Procuring Entity during the Tender Validity Period or any extension thereto provided by the Principal; (i) failed to execute the Contract agreement; or (ii) has failed to furnish the Performance Security, in accordance with the Instructions to tenderers ("ITT") of the Procuring Entity's Tendering document.

then the guarantee undertakes to immediately pay to the Procuring Entity up to the above amount upon receipt of the Procuring Entity's first written demand, without the Procuring Entity having to substantiate its demand, provided that in its demand the Procuring Entity shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii)twenty-eight days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[Date]

[Signature of the Guarantor]

[Witness]

[Seal]

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

FORM OF TENDER-SECURING DECLARATION

[The Bidder shall complete this Form in accordance with the instructions indicated]

Date *[insert date (as day, month, and year) of Tender Submission]*

Tender No *[Insert number of tendering processes]*

To *[insert complete name of Purchaser]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
2. I/We accept that I/we will automatically be suspended from being eligible for tendering in any contract with the Purchaser for the period of time of *[insert number of months or years]* starting on *[insert date]*, if we are in breach of our obligation(s) under the bid conditions, because we - (a) have withdrawn our tender during the period of tender validity specified by us in the Tendering Data Sheet; or (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the instructions to tenders.
3. I/We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer(s), upon the earlier of:
 - a) our receipt of a copy of your notification of the name of the successful Tenderer; or
 - b) thirty days after the expiration of our Tender.
4. I/We understand that if I am/we are/in a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and the Joint Venture has not been legally constituted at the time of bidding, the Tender Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed

Capacity / title (director or partner or sole proprietor, etc.)

Name:

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Tenderer]*. Dated on
..... day of *[Insert date of signing]*.

Seal or stamp.

MANUFACTURER'S AUTHORIZATION FORM

[The tenderer shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The tenderer shall include it in its Tender, if so, indicated in the TDS.]

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

ITT No.:*[insert number of ITT*

process] Alternative No *[insert identification No if this is a Tender for an alternative]*

To:*[Insert complete name of Procuring Entity]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of.....*[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of tenderer]* to submit a Tender the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed..... *[Insert signature(s) of authorized representative(s) of the Manufacturer]*

Name*[Insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title *[Insert title]*

Dated on day of,*[insert date of signing]*

PART 2: SUPPLY REQUIREMENTS

Section V - Technical Specifications

- 1.1 The purpose of the Technical Specifications (TS), is to define the technical characteristics of the Goods and Related Services required by the Procuring Entity. The Procuring Entity shall prepare the detailed TS consider that:
- i) The TS constitute the benchmarks against which the Procuring Entity will verify the technical responsiveness of Tenders and subsequently evaluate the Tenders. Therefore, well-defined TS will facilitate preparation of responsive Tenders by tenderers, as well as examination, evaluation, and comparison of the Tenders by the Procuring Entity.
 - ii) The TS shall require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided for otherwise in the contract.
 - iii) The TS shall make use of best practices. Samples of specifications from successful similar procurements in the same country or sector may provide a sound basis for drafting the TS.
 - iv) The PPRA encourages the use of metric units.
 - v) Standardizing technical specifications may be advantageous, depending on the complexity of the goods and the repetitiveness of the type of procurement. Technical Specifications should be broad enough to avoid restrictions on workmanship, materials, and equipment commonly used in manufacturing similar kinds of goods.
 - vi) Standards for equipment, materials, and workmanship specified in the Tendering document shall not be restrictive. Recognized international standards should be specified as much as possible. Reference to brand names, catalogue numbers, or other details that limit any materials or items to a specific manufacturer should be avoided as far as possible. Where unavoidable, such item description should always be followed by the words "or substantially equivalent." When other particular standards or codes of practice are referred to in the TS, whether from the Procuring Entity's or from other eligible countries, a statement should follow other authoritative standards that ensure at least a substantially equal quality, then the standards mentioned in the TS will also be acceptable.
 - vii) Reference to brand names and catalogue numbers should be avoided as far as possible, where unavoidable the words "or at least equivalent" shall always follow such references.
 - viii) Technical Specifications shall be fully descriptive of the requirements in respect of, but not limited to, the following:
 - a) Standards of materials and workmanship required for the production and manufacturing of the Goods.
 - b) Any sustainable procurement technical requirements shall be clearly specified.
- 1.2 To encourage tenderers' innovation in addressing sustainable procurement requirements, as long as the Tender evaluation criteria specify the mechanism for monetary adjustments for the purpose of Tender comparisons, tenderers may be invited to offer Goods that exceeds the specified minimum sustainable procurement requirements.
- i) Detailed tests required (type and number).
 - ii) Other additional work and/or Related Services required to achieve full delivery/completion.
 - iii) Detailed activities to be performed by the Supplier, and participation of the Procuring Entity thereon.
 - iv) List of detailed functional guarantees covered by the Warranty and the specification of the liquidated damages to be applied in the event that such guarantees are not met.
- 1.3 The TS shall specify all essential technical and performance characteristics and requirements, including guaranteed or acceptable maximum or minimum values, as appropriate. Whenever necessary, the Procuring Entity shall include an additional ad-hoc Tendering form (to be an Attachment to the Letter of Tender), where the tenderer shall provide detailed information on such technical performance characteristics in respect to the corresponding acceptable or guaranteed values.
- 1.4 When the Procuring Entity requests that the tenderer provides in its Tender a part or all of the Technical Specifications, technical schedules, or other technical information, the Procuring Entity shall specify in detail the nature and extent of the required information and the manner in which it has to be presented by the tenderer in its Tender.
- 1.5 If a summary of the Technical Specifications (TS) has to be provided, the Procuring Entity shall insert information in the table below. The tenderer shall prepare a similar table to justify compliance with the requirements.

2.0 **Delivery Date**

2.1 Latest day of delivery is 60 Days from the date of contract signing

PART 3 - CONDITIONS OF CONTRACT AND CONTRACT FORMS

SECTION VI - GENERAL CONDITIONS OF CONTRACT

1. Definitions

In the Conditions of Contract (“these Conditions”), which include Special Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

- a) “Contract” means the Contract Agreement entered into between the Procuring Entity and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- b) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- c) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- d) “Day” means calendar day.
- e) “Completion” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- f) “GCC” means the General Conditions of Contract.
- g) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Procuring Entity under the Contract.
- h) “Procuring Entity” means the Procuring Entity purchasing the Goods and Related Services, as **specified in the SCC**.
- i) “Related Services” means the services incidental to the supply of the goods, such as insurance, delivery, installation, commissioning, training and initial maintenance and other such obligations of the Supplier under the Contract.
- j) “SCC” means the Special Conditions of Contract.
- k) “Subcontractor” means any person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- l) “Supplier” means the person, private or government entity, or a combination of the above, whose Tender to perform the Contract has been accepted by the Procuring Entity and is named as such in the Contract Agreement.
- m) “**Base Date**” means a date 30 day prior to the submission of tenders.
- n) “**Laws**” means all national legislation, statutes, ordinances, and regulations and by-laws of any legally constituted public authority.
- o) “**Letter of Acceptance**” means the letter of formal acceptance, signed by the contractor. Procuring Entity, including any annexed memoranda comprising agreements between and signed by both Parties.
- p) “**Procuring Entity**” means the Entity named in the Special Conditions of Contract.

2. Interpretation

2.1. If the context so requires it, singular means plural and vice versa.

2.2. Incoterms

- a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms **specified in the SCC**.
- b) The terms EXW and CIP and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

3. Contract Documents

Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole. The documents forming the Contract shall be interpreted in the following order of priority:

- a) the Contract Agreement,
- b) the Letter of Acceptance,
- c) the General Conditions of Contract
- d) Special Conditions of Contract
- e) the Form of Tender,
- f) the Specifications and Schedules of the Drawings (if any), and
- g) the Schedules of Requirements, Price Schedule and any other documents forming part of the Contract.

4. Fraud and Corruption

4.1. The supplier shall comply with anti-corruption laws and guidelines and the prevailing sanctions, policies and procedures as set forth in the Laws of Kenya.

4.2. The Supplier shall disclose any commissions, gratuity or fees that may have been paid or are to be paid to agents or any other person with respect to the Tendering process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

4.3. Entire Agreement

4.3.1 The Contract constitutes the entire agreement between the Procuring Entity and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.4. Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.5. Non-waiver

a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6. Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

5.1. The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Procuring Entity, shall be written in the **English Language**. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate and certified translation of the relevant passages in the **English Language**, in which case, for purposes of interpretation of the Contract, the English language is translation shall govern.

5.2. The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture, Consortium or Association

6.1. If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Procuring Entity for the fulfilment of the provisions of the Contract and shall designate one member of the joint venture, consortium, or

association to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior written consent of the Procuring Entity.

7. Eligibility

- 7.1. The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Sub-contractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.
- 7.2. All Goods and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 7.3. The Tenderer, if a Kenyan firm, must submit with its tender a valid tax compliance certificate from the Kenya Revenue Authority.

8. Notices

- 8.1. Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term "in writing" means communicated in written form with proof of receipt.
- 8.2. A notice shall be effective when delivered or on the notice's effective date, whichever is later.

9. Governing Law

- 9.1. The Contract shall be governed by and interpreted in accordance with the laws of Kenya.
- 9.2. Throughout the execution of the Contract, the Supplier shall comply with the import of goods and services prohibitions in Kenya:
- a) where, as a matter of law, compliance or official regulations, Kenya prohibits commercial relations with that country or any import of goods from that country or any payments to any country, person, or entity in that country; or
 - b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods from that country or any payments to any country, person, or entity.

10. Settlement of Disputes

- 10.1. The Procuring Entity and the Supplier shall make every effort to resolve amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Procuring Entity or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 10.3. **Arbitration proceedings shall be conducted as follows:**
- 10.3.1 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 10.1 shall be finally settled by arbitration.
- 10.3.2 No arbitration proceedings shall be commenced on any claim or dispute where notice of a claim or dispute has not been given by the applying party within thirty days of the occurrence or discovery of the matter or issue giving rise to the dispute.
- 10.3.3 Notwithstanding the issue of a notice as stated above, the arbitration of such a claim or dispute shall not commence unless an attempt has in the first instance been made by the parties to settle such claim or dispute amicably with or without the assistance of third parties. Proof of such attempt shall be required.
- 10.3.4 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any due payments.
- 10.3.5 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for the dispute given in its notice of a claim or dispute.
- 10.3.6 Arbitration may be commenced prior to or after delivery of the goods. The obligations of the Parties shall not be altered by reason of any arbitration being conducted during the progress of the delivery of goods.
- 10.3.7 The terms of the remuneration of each or all the members of Arbitration shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.
- 10.4. **Arbitration Proceedings**
- 10.4.1 Arbitration proceedings with national suppliers will be conducted in accordance with the Arbitration Laws of Kenya. In case of

any claim or dispute, such claim or dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The disputes shall be referred to the arbitration and final decision of a person or persons to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed, on the request of the applying party, by the Chairman or Vice Chairman of any of the following professional institutions.

- i) Kenya National Chamber of Commerce
- ii) Chartered Institute of Arbitrators (Kenya Branch)
- iii) The Law Society of Kenya

10.4.2 The institution written to first by the aggrieved party shall take precedence over all other institutions.

10.4.3 **Alternative Arbitration Proceedings**

Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

10.5. **Arbitration with Foreign Suppliers**

10.5.1 Arbitration with foreign suppliers shall be conducted in accordance with the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL); or with proceedings administered by the International Chamber of Commerce (ICC) and conducted under the ICC Rules of Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.

10.5.2 The place of arbitration shall be a location specified in the **SCC**; and the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].

10.6. **Alternative Arbitration Proceedings**

Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

10.7. **Failure to Comply with Arbitrator's Decision**

10.7.1 The award of such Arbitrator shall be final and binding upon the parties.

10.7.2 In the event that a Party fails to comply with a final and binding Arbitrator's decision, then the other Party may, without prejudice to any other rights it may have, refer the matter to a competent court of law.

10.8. **Contract operations continue**

Notwithstanding any reference to arbitration herein,

- a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- b) the Procuring Entity shall pay the Supplier any monies due the Supplier.

11. **Inspections and Audit by the Procuring Entity**

11.1. The Supplier shall keep, and shall cause its Subcontractors to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time, changes and costs.

11.2. Pursuant to paragraph 2.2 of Instruction to Tenderers, the Supplier shall permit and shall cause its subcontractors to permit, the Procuring Entity and/or persons appointed by the Procuring Entity or by other statutory bodies of the Government to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Procuring Entity. The Supplier's and its Subcontractors' attention is drawn to Sub- Clause

3.1 which provides, inter alia, that acts intended to materially impede the exercise of the Procuring Entity's inspection and audit rights constitute a prohibited practice subject to contract termination, as well as to a determination of ineligibility.

12. **Scope of Supply**

12.1. The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

13. **Delivery and Documents**

13.1. Subject to GCC Sub-Clause 33.1, the delivery of the Goods and completion of the Related Services shall be in accordance with

the List of Goods and Delivery Schedule specified in the Supply Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.

14. Supplier's Responsibilities

- 14.1. The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.

15. Contract Price

- 15.1. Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Tender, with the exception of any price adjustments authorized in the **SCC**.
- 15.2. Where the contract price is different from the corrected tender price, in order to ensure the supplier is not paid less or more relative to the contract price (*which would be the tender price*), any partial payment valuation based on rates in the schedule of prices in the Tender, will be adjusted by a plus or minus percentage. The percentage already worked out during tender evaluation is worked out as follows: $(\text{corrected tender price} - \text{tender price}) / \text{tender price} \times 100$.

16. Terms of Payment

- 16.1. The Supplier shall request for payment by submitting invoice(s), delivery note(s) and any other relevant documents as specified in the **SCC** to the Procuring Entity.
- 16.2. Payments shall be made promptly by the Procuring Entity, but not later than thirty (30) days after submission of an invoice by the Supplier, and after the Procuring Entity has accepted it.
- 16.3. Where a Procuring Entity rejects Goods and Related Services, in part or wholly, the procuring Entity shall promptly inform the Supplier to collect, replace or rectify as appropriate and give reasons for rejection. The Supplier shall submit a fresh invoice, delivery note and any other relevant documents as specified in the **SCC**.
- 16.4. The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the Tender price is expressed.
- 16.5. In the event that the Procuring Entity fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Procuring Entity may pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

17. Taxes and Duties

- 17.1. The Supplier shall be entirely responsible for all taxes, duties, license fees, and other such levies incurred to deliver the Goods and Related Services to the Procuring Entity at the final delivery point.
- 17.3. If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Kenya, the Supplier shall inform the Procuring Entity and the Procuring Entity shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

18. Performance Security

- 18.1. If required as specified in the **SCC**, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2. The proceeds of the Performance Security shall be payable to the Procuring Entity as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3. As specified in **the SCC**, the Performance Security, if required, shall be denominated in the currency(ies) of the Contract, or in a freely convertible currency acceptable to the Procuring Entity; and shall be in one of the formats stipulated by the Procuring Entity in **the SCC**, or in another format acceptable to the Procuring Entity.
- 18.4. The Performance Security shall be discharged by the Procuring Entity and returned to the Supplier not later than thirty (30) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.

19. Copyright

- 19.1. The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring Entity by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Procuring Entity directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

20. Confidential Information

- 20.1. The Procuring Entity and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Sub-Supplier such documents, data, and other information it receives from the Procuring Entity to the extent required for the Sub Supplier to perform its work under the Contract, in which event the Supplier shall obtain from such Sub Supplier undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2. The Procuring Entity shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Procuring Entity for any purpose other than the performance of the Contract.
- 20.3. The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- a) the Procuring Entity or Supplier need to share with other arms of Government or other bodies participating in the financing of the Contract; such parties shall be disclosed in **the SCC**.
 - b) now or hereafter enters the public domain through no fault of that party.
 - c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4. The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5. The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

- 21.1. The Supplier shall notify the Procuring Entity in writing of all subcontracts awarded under the Contract if not already specified in the Tender. Such notification, in the original Tender or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 21.2. Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications and Standards

- 22.1. Technical Specifications and Drawings
- a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
 - b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Procuring Entity, by giving a notice of such disclaimer to the Procuring Entity.
 - c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Procuring Entity and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

- 23.1. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 23.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified **in the SCC**, and in any other instructions ordered by the Procuring Entity.

24. Insurance

- 24.1. Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.

25. Transportation and Incidental Services

- 25.1. Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2. The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in **SCC**:
- a) performance or supervision of on-site assembly and/or start-up of the supplied Goods.
 - b) furnishing of tools required for assembly and/or maintenance of the supplied Goods.
 - c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods.
 - d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
 - e) training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 25.3. Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services

26. Inspections and Tests

- 26.1. The Supplier shall at its own expense and at no cost to the Procuring Entity carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.
- 26.2. The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in Kenya as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring Entity.
- 26.3. The Procuring Entity or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Procuring Entity bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.
- 26.4. Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Procuring Entity. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Procuring Entity or its designated representative to attend the test and/or inspection.
- 26.5. The Procuring Entity may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 26.6. The Supplier shall provide the Procuring Entity with a report of the results of any such test and/or inspection.
- 26.7. The Procuring Entity may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall repeat the test and/or inspection, at no cost to the Procuring Entity, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8. The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Procuring Entity or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

- 27.1. Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Procuring Entity may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Procuring Entity may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

- 28.1. The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2. Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- 28.3. Unless otherwise specified in the **SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 28.4. The Procuring Entity shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Procuring Entity shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 28.5. Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Procuring Entity.
- 28.6. If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Procuring Entity may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Entity may have against the Supplier under the Contract.

29. Patent Indemnity

29.1 The Supplier shall, subject to the Procuring Entity's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Procuring Entity and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Procuring Entity may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Procuring Entity arising out of the matters referred to in GCC Sub-Clause 29.1, the Procuring Entity shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Procuring Entity's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Procuring Entity within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Procuring Entity shall be free to conduct the same on its own behalf.

29.4 The Procuring Entity shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Procuring Entity shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Procuring Entity.

30. Limitation of Liability

30.1 Except in cases of criminal negligence or willful misconduct,

- a) the Supplier shall not be liable to the Procuring Entity, whether in contract, tort, or otherwise, for any indirect or

consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Procuring Entity, and

b) the aggregate liability of the Supplier to the Procuring Entity, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the Procuring Entity with respect to patent infringement.

31. Change in Laws and Regulations

31.1. Unless otherwise specified in the Contract, if after the date of 30 days prior to date of Tender submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Kenya (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding

the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

32. Force Majeure

- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Procuring Entity in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Entity in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Entity in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

33. Change Orders and Contract Amendments

- 33.1 The Procuring Entity may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Entity.
 - b) the method of shipment or packing.
 - c) the place of delivery; and
 - d) the Related Services to be provided by the Supplier.
- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Procuring Entity's change order.
- 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 33.4 **Value Engineering:** The Supplier may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following.
- a) the proposed change(s), and a description of the difference to the existing contract requirements.
 - b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle costs) the Procuring Entity may incur in implementing the value engineering proposal; and
 - c) a description of any effect(s) of the change on performance/functionality.
- 33.5 The Procuring Entity may accept the value engineering proposal if the proposal demonstrates benefits that:
- a) accelerates the delivery period; or
 - b) reduces the Contract Price or the life cycle costs to the Procuring Entity; or
 - c) improves the quality, efficiency or sustainability of the Goods; or
 - d) yields any other benefits to the Procuring Entity, without compromising the necessary functions of the Facilities.
- 33.6 If the value engineering proposal is approved by the Procuring Entity and results in:
- a) a reduction of the Contract Price; the amount to be paid to the Supplier shall be the percentage specified **in the SCC** of the reduction in the Contract Price; or
 - b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in (a) to (d) above, the amount to be paid to the Supplier shall be the full increase in the Contract Price.
- 33.7 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. Extensions of Time

- 34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Procuring Entity in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Procuring Entity shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- a) The Procuring Entity, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
- i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Procuring Entity pursuant to GCC Clause 34.
 - ii) if the Supplier fails to perform any other obligation under the Contract; or
 - iii) if the Supplier, in the judgment of the Procuring Entity has engaged in Fraud and Corruption, as defined in paragraph 2.2 as of the Appendix to the GCC, in competing for or in executing the Contract.
- b) In the event the Procuring Entity terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Procuring Entity may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Procuring Entity for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

The Procuring Entity may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Procuring Entity

35.3 Termination for Convenience.

- a) The Procuring Entity, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Entity's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Entity at the Contract terms and prices. For the remaining Goods, the Procuring Entity may elect:
- i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

36. Assignment

- 36.1 Neither the Procuring Entity nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

37. Export Restriction

- 37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Procuring Entity, to Kenya, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Procuring Entity that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Procuring Entity's convenience pursuant to Sub-Clause 35.3.

SECTION VII - SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
GCC 1.1(h)	The Procuring Entity is: <u>Ministry of Education, State Department for Basic Education.</u>
GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Incoterms. If the meaning of any trade term and the rights and obligations of the parties thereunder shall not be as prescribed by Incoterms, they shall be as prescribed by: the International Chamber of Commerce in Paris, France.
GCC 4.2 (b)	The version edition of Incoterms shall be INCOTERMS 2015
GCC 8.1	<p>For notices, the Procuring Entity's address shall be: The Principal Secretary</p> <p style="text-align: center;">Attn: Head of Supply Chain Management Services State Department for Basic Education Development of Schools Infrastructure in Nyamira County Project Jogoo House 'B' Ground Floor Room 14, Harambee Avenue Postal Address: P.O. Box 30040, Nairobi, Kenya Code: 00100 City: Nairobi Tel: (0)20 318581 Ext.30413</p> <p>Email: ppo@education.go.ke</p>
GCC 10.4.2	The place of arbitration shall be Nairobi, Kenya
GCC 13.1	<p>Details of Shipping and other Documents to be furnished by the Supplier are <i>[insert the required documents, such as a negotiable bill of lading, a non-negotiable sea waybill, an airway bill, a railway consignment note, a road consignment note, insurance certificate^ Manufacturer's or Supplier's warranty certificate, inspection certificate issued by nominated inspection agency, Supplier's factory shipping details etc.]</i>.</p> <p>The above documents shall be received by the Procuring Entity before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
GCC 15.1	The prices charged for the Goods supplied and the related Services performed <i>shall not be</i> adjustable.
GCC 16.1	<p>Payment for Goods supplied; Payment for Goods and Services supplied shall be made in Kenya Shillings as follows:</p> <p>On Delivery: Eighty (80) percent of the Contract Price shall be paid on receipt of the Goods and upon submission of the documents specified in GCC Clause 13. The bank guarantee shall then be released.</p> <p>On Acceptance: The remaining ten (20) percent of the Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate for the respective delivery issued by the Procuring Entity</p>

GCC 18.1	A Performance Security <i>shall be required</i> The amount of the Performance Security shall be: 10% the contract amount (The actual amount shall be inserted after award)
GCC 18.3	If required, the Performance Security shall be in the form of: a Demand Bank Guarantee
GCC 18.4	Discharge of the Performance Security shall take place: not later than thirty (30) days following the date of Completion of the Supplier's performance obligations under the Contract
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: <i>[insert in detail the type of packing required, the markings in the packing and all documentation required]</i>
GCC 24.1	The insurance coverage shall be as specified in the Incoterms. If not in accordance with Incoterms, insurance shall be as follows: <i>[insert specific insurance provisions agreed upon, including coverage, currency, and amount]</i>
GCC 25.1	Responsibility for transportation of the Goods shall be as specified in the Incoterms. <i>The Supplier is required under the Contract to transport the Goods to the specified schools in Nyamira county within Kenya, defined as the Project Site, transport to such place of destination in Kenya, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price" or any other agreed upon trade terms (specify the respective responsibilities of the Procuring Entity and the Supplier)]</i>
GCC 25.2	Incidental services to be provided are: None
GCC 26.1	The inspections and tests shall be: Upon delivery
GCC 26.2	The Inspections and tests shall be conducted at: the specific school
GCC 27.1	The liquidated damage shall be: 0.2% per week
GCC 27.1	The maximum number of liquidated damages shall be: 10%
GCC 28.3	The period of validity of the Warranty shall be: 1 year For purposes of the Warranty, the place(s) of final destination(s) shall be: <i>The Specific Schools in Nyamira County</i> The warranty period shall be 12 months from date of acceptance of the Good. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either: (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with GCC 26.7, or (b) pay liquidated damages to the Procuring Entity with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 10% of the contract amount.
GCC 28.5, GCC 28.6	The period for repair or replacement shall be: <u>Seven (7) days.</u>

SECTION VIII - CONTRACT FORMS

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful tenderer after contract award.

FORM No. 1: NOTIFICATION OF INTENTION TO AWARD

This Notification of Intention to Award shall be sent to each Tenderer that submitted a Tender. Send this Notification to the Tenderer's Authorized Representative named in the Tender Information Form on the format below. -----

FORMAT

1. For the attention of Tenderer's Authorized Representative

- i) Name: *[insert Authorized Representative's name]*
- ii) Address: *[insert Authorized Representative's Address]*
- iii) Telephone: *[insert Authorized Representative's telephone/fax numbers]*
- iv) Email Address: *[insert Authorized Representative's email address]*

[IMPORTANT: insert the date that this Notification is transmitted to Tenderers. The Notification must be sent to all Tenderers simultaneously. This means on the same date and as close to the same time as possible.]

2. Date of transmission: [email] on [date] (local time)

This Notification is sent by (Name and designation) _____

3. Notification of Intention to Award

- i) Employer: *[insert the name of the Employer]*
- ii) Project: *[insert name of project]*
- iii) Contract title: *[insert the name of the contract]*
- iv) Country: *[insert country where ITT is issued]*
- v) ITT No: *[insert ITT reference number from Procurement Plan]*

This Notification of Intention to Award (Notification) notifies you of our decision to award the above contract. The transmission of this Notification begins the Standstill Period. During the Standstill Period, you may:

4. Request a debriefing in relation to the evaluation of your tender

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

a) The successful tenderer

- i) Name of successful Tender _____
- ii) Address of the successful Tender _____
- iii) Contract price of the successful Tender Kenya Shillings (in words _____)

b) Other Tenderers

Names of all Tenderers that submitted a Tender. If the Tender's price was evaluated include the evaluated price as well as the Tender price as read out. For Tenders not evaluated, give one main reason the Tender was unsuccessful.

S/No.	Name of Tender	Tender Price as read out	Tender's evaluated price (Note a)	One Reason Why Not Evaluated
1				
2				
3				

4				
5				

(Note a) State NE if not evaluated

5. How to request a debriefing

- a) DEADLINE: The deadline to request a debriefing expires at midnight on *[insert date]* (local time).
- b) You may request a debriefing in relation to the results of the evaluation of your Tender. If you decide to request a debriefing your written request must be made within three (5) Business Days of receipt of this Notification of Intention to Award.
- c) Provide the contract name, reference number, name of the Tenderer, contact details; and address the request for debriefing as follows:
 - I) Attention:*[insert full name of person, if applicable]*
 - II) Title/position:*[insert title/position]*
 - III) Agency:*[insert name of Employer]*
 - IV)) Email address:*[inser: email address]*
- d) If your request for a debriefing is received within the 3 Days deadline, we will provide the debriefing within five (3) Business Days of receipt of your request. If we are unable to provide the debriefing within this period, the Standstill Period shall be extended by five (3) Days after the date that the debriefing is provided. If this happens, we will notify you and confirm the date that the extended Standstill Period will end.
- e) The debriefing may be in writing, by phone, video conference call or in person. We shall promptly advise you in writing how the debriefing will take place and confirm the date and time.
- f) If the deadline to request a debriefing has expired, you may still request a debriefing. In this case, we will provide the debriefing as soon as practicable, and normally no later than fifteen (15) Days from the date of publication of the Contract Award Notice.

6. How to make a complaint

- a) Period: Procurement-related Complaint challenging the decision to award shall be submitted by midnight, *[insert date]* (local time).
- b) Provide the contract name, reference number, name of the Tenderer, contact details; and address the Procurement-related Complaint as follows:
 - i) Attention:*[inser: full name of person, if applicable]*
 - ii) Title/position:*[insert title/position]*
 - iii) Agency:*[insert name of Employer]*
 - iv) Email address:*[insert email address]*
- c) At this point in the procurement process, you may submit a Procurement-related Complaint challenging the decision to award the contract. You do not need to have requested, or received, a debriefing before making this complaint. Your complaint must be submitted within the Standstill Period and received by us before the Standstill Period ends.
- d) Further information: For more information refer to the Public Procurement and Disposals Act 2015 and its Regulations available from the Website www.ppra.go.ke or email complaints@ppra.go.ke.

You should read these documents before preparing and submitting your complaint.

- e) There are four essential requirements:
 - i) You must be an 'interested party'. In this case, that means a Tenderer who submitted a Tender in this tendering process and is the recipient of a Notification of Intention to Award.
 - ii) The complaint can only challenge the decision to award the contract.
 - iii) You must submit the complaint within the period stated above.
 - iv) You must include, in your complaint, all of the information required to support your complaint.

7. Standstill Period

- i) DEADLINE: The Standstill Period is due to end at midnight on *[insert date]* (local time).
- ii) The Standstill Period lasts ten (14) Days after the date of transmission of this Notification of Intention to Award.

iii) The Standstill Period may be extended as stated in paragraph Section 5 (d) above.

If you have any questions regarding this Notification please do not hesitate to contact us.

On behalf of the Employer:

Signature: _____

Name: _____

Title/position: _____

Telephone: _____

Email: _____

FORM NO. 2 - REQUEST FOR REVIEW

FORM FOR REVIEW (r.203(1))

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NO OF20

BETWEEN

..... **APPLICANT**

AND

..... **RESPONDENT (Procuring Entity)**

Request for review of the decision of the(Name of the Procuring Entity of dated the...day of 20in
.....the
matter of Tender No.....of.....20.... for (Tender description).

REQUEST FOR REVIEW

I/We, the above-named Applicant(s), of address: Physical address..... P. O. Box No Tel. No...
Email, hereby request the Public Procurement Administrative Review Board to review the whole/part of the above-mentioned
decision on the following grounds, namely:

- 1.
- 2.

By this memorandum, the Applicant requests the Board for an order/order that:

- 1.
- 2.

SIGNED (Applicant) Dated on..... day of /20..

FOR OFFICIAL USE ONLY Lodged with the Secretary Public Procurement Administrative Review Board on day of
.....20

SIGNED

Board Secretary

FORM NO. 3 LETTERS OF AWARD

[Use letter head paper of the Procuring Entity]

_____ *[Date]*

To: *[name and address of the Supplier]*

Subject: **Notification of Award Contract No**

This is to notify you that your Tender dated _____ ***[insert date]*** for execution of the ***[insert name of the contract and identification number, as given in the SCC]*** for the Accepted Contract Amount of ***[insert amount in numbers and words and name of currency]***, as corrected and modified in accordance with the Instructions to tenderers is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 30 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Section X, Contract Forms, of the Tendering document.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

Attachment: Contract Agreement

FORM NO. 4 - CONTRACT AGREEMENT

[The successful tenderer shall fill in this form in accordance with the instructions indicated]

THIS AGREEMENT made the *[insert number]* day of *[insert month]*, *[insert year]*. BETWEEN (1) *[insert complete name of Procuring Entity]* and having its principal place of business at *[insert: address of Procuring Entity]* (hereinafter called "Procuring Entity"), of the one part; and (2) *[insert name of Supplier]*, a corporation incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at *[insert: address of Supplier]* (hereinafter called "the Supplier"), of the other part.

1. WHEREAS the Procuring Entity invited Tenders for certain Goods and ancillary services, viz.,_

[insert brief description of Goods and Services] and has accepted a Tender by the Supplier for the supply of those Goods and Services, the Procuring Entity and the Supplier agree as follows:

i) In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.

ii) The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.

- a) the Letter of Acceptance
- b) the Letter of Tender
- c) the Addenda Nos.(If any)
- d) Special Conditions of Contract
- e) General Conditions of Contract
- f) the Specification (including Schedule of Requirements and Technical Specifications)
- g) the completed Schedules (including Price Schedules)
- h) any other document listed in GCC as forming part of the Contract

iii) In consideration of the payments to be made by the Procuring Entity to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Procuring Entity to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

2. The Procuring Entity hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

3. IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Kenya on the day, month and year indicated above.

For and on behalf of the Procuring Entity

Signed:*[insert signature]*

in the capacity of*[insert title or other appropriate designation]* In the presence of*[insert*

identification of official witness] **For and on behalf of the Supplier**

Signed:*[insert signature of authorized representative(s) of the Supplier]* in the capacity of

[insert title or other appropriate designation] in the presence of

[insert identification of official witness]

FORM NO. 5 - PERFORMANCE SECURITY [Option _1 - Unconditional Demand Bank Guarantee] [Guarantor letterhead]

Beneficiary:*[insert name and Address of Employer]*

Date:*[Insert date of issue]*

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

1. We have been informed that _____ (hereinafter called "the Contractor") has entered into Contract No. _____ dated _____ with *(name of Employer)* _____ (the Employer as the Beneficiary), for the execution of (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *(in words)*,¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whetherin the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.
4. This guarantee shall expire, no later than the Day of _____, 2², and any demand for payment under it must be received by us at the office indicated above on or before that date.
5. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

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

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

FORM No. 6 - PERFORMANCE SECURITY [Option 2- Performance Bond]

[Note: Procuring Entities are advised to use Performance Security - Unconditional Demand Bank Guarantee instead of Performance Bond due to difficulties involved in calling Bond holder to action]

[Guarantor letterhead or SWIFT identifier code]

Beneficiary:*[insert name and Address of Employer]*

Date:*[Insert date of issue]*

PERFORMANCE BOND No.: _____

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

1. By this Bond as Principal (hereinafter called "the Contractor") and _____
] as Surety (hereinafter called "the Surety"), are held and firmly bound unto] as Obligees (hereinafter called "the Employer")
in the amount of for the payment of which sum well and truly to be made in the types and proportions of currencies
in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors,
administrators, successors and assigns, jointly and severally, firmly by these presents.
2. WHEREAS the Contractor has entered into a written Agreement with the Employer dated the day
of, 20, for in accordance with the documents, plans, specifications, and
amendments thereto, which to the extent herein provided for, are by reference made part hereof and are hereinafter
referred to as the Contract.
3. NOW, THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform
the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise, it shall remain
in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, in default under the
Contract, the Employer having performed the Employer's obligations thereunder, the Surety may promptly remedy the
default, or shall promptly:
 - 1) complete the Contract in accordance with its terms and conditions; or
 - 2) obtain a tender or tenders from qualified tenderers for submission to the Employer for completing the Contract in
accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest
responsive Tenderers, arrange for a Contract between such Tenderer, and Employer and make available as work
progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of
completion arranged under this paragraph) sufficient funds to pay the cost of completion less the Balance of the
Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder,
the amount set forth in the first paragraph hereof. The term "Balance of the Contract Price," as used in this
paragraph, shall mean the total amount payable by Employer to Contractor under the Contract, less the amount
properly paid by Employer to Contractor; or
 - 3) pay the Employer the amount required by Employer to complete the Contract in accordance with its terms and
conditions up to a total not exceeding the amount of this Bond.
4. The Surety shall not be liable for a greater sum than the specified penalty of this Bond.
5. Any suit under this Bond must be instituted before the expiration of one year from the date of the issuing of the Taking-
Over Certificate. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the
Employer named herein or the heirs, executors, administrators, successors, and assigns of the Employer.
6. In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these
presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this day of 20.

SIGNED ON on behalf of

By in the capacity of

In the presence of _____

SIGNED ON on behalf of

By in the capacity of

In the presence of _____

FORM NO. 7 - ADVANCE PAYMENT SECURITY [Demand Bank Guarantee] [Guarantor letterhead]

Beneficiary: _____ [Insert name
and Address of Employer]
Date: [Insert date of issue]

ADVANCE PAYMENT GUARANTEE No.: [Insert guarantee reference number]

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

1. We have been informed that (hereinafter called "the Contractor") has entered Contract No. *dated* with the Beneficiary, for the execution of (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum (*in words*) is to be made against an advance payment guarantee.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of (*in words*)¹ upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:
 - (a) has used the advance payment for purposes other than the costs of mobilization in respect of the goods; or
 - (b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.
4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Contractor on its account number at .
5. The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, or on the day of , 2 ____,² whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.
6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [*six months*] [*one year*], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

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

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

¹ The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency of the advance payment as specified in the Contract.
² Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.

**FORM NO. 8 BENEFICIAL OWNERSHIP DISCLOSURE FORM
(Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)**

INSTRUCTIONS TO TENDERERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE FORM

This Beneficial Ownership Disclosure Form ("Form") is to be completed by the successful tenderer pursuant to Regulation 13 (2A) and 13 (6) of the Companies (Beneficial Ownership Information) Regulations, 2020. In case of joint venture, the tenderer must submit a separate Form for each member. The beneficial ownership information to be submitted in this Form shall be current as of the date of its submission.

For the purposes of this Form, a Beneficial Owner of a Tenderer is any natural person who ultimately owns or controls the legal person (tenderer) or arrangements or a natural person on whose behalf a transaction is conducted, and includes those persons who exercise ultimate effective control over a legal person (Tenderer) or arrangement.

Tender Reference No.: [insert identification no]

Name of the Tender Title/Description: [insert name of the assignment] to:

_____ [insert complete name of Procuring Entity]

In response to the requirement in your notification of award dated [insert date of notification of award] to furnish additional information on beneficial ownership: [select one option as applicable and delete the options that are not applicable]

1) We hereby provide the following beneficial ownership information.

Details of beneficial ownership

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

Details of all Beneficial Owners		% Of shares a person holds in the company Directly or indirectly	% Of voting rights, a person holds in the company	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes / No)
number		Indirectly ----- --- % of shares	Indirectly -----% of voting rights	directors or an equivalent governing body of the Tenderer: Yes ---No--- 2. Is this right held directly or indirectly? Direct..... Indirect.....	control over the Company body of the Company (tenderer) Yes - ---No--- 2. Is this influence or control exercised directly or indirectly? Direct..... Indirect
Personal Identification Number (where applicable)					
Nationality(ies)					
Date of birth [dd/mm/yyyy]					
Postal address					
Residential address					
Telephone number					
Email address					
Occupation or profession					
3.					
et c.					

II) Am fully aware that beneficial ownership information above shall be reported to the Public Procurement Regulatory Authority together with other details in relation to contract awards and shall be maintained in the Government Portal, published and made publicly available pursuant to Regulation 13(5) of the Companies (Beneficial Ownership Information) Regulations, 2020.(Notwithstanding this paragraph Personally Identifiable Information in line with the Data Protection Act shall not be published or made public). *Note that Personally Identifiable Information (PII) is defined as any information that can be used to distinguish one person from another and can be used to deanonymize previously anonymous data. This information includes National identity card number or Passport number, Personal Identification Number, Date of birth, Residential address, email address and Telephone number.*

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

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

IV) What is stated to herein above is true to the best of my knowledge, information, and belief.

Name of the Tenderer:

★[insert complete name of the Tenderer]

Name of the person duly authorized to sign the Tender on behalf of the Tenderer: ** [insert complete name of person duly authorized to sign the Tender]

Designation of the person signing the Tender: [insert complete title of the person signing the Tender]

Signature of the person named above [insert signature of person whose name and capacity are shown above]

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

Bidder Official Stamp