



REPUBLIC OF KENYA
MINISTRY OF MINING, BLUE ECONOMY AND MARITIME
AFFAIRS

STATE DEPARTMENT FOR MINING
P.O. BOX 30009 – 00100 NAIROBI, KENYA

TENDER NO: MMBE&MA/SDM/003/2023-2024
FOR
SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT.
(OPEN NATIONAL TENDER)

CLOSINGDATE: THURSDAY 14TH, 2023AT 10.00 A.M.

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INVITATION TO TENDER

Procuring Entity: State Department for Mining

Tender No: MMBE&MA/SDM/003/2023-2024

Tender Description: Supply and Delivery of Laboratory Equipment (Open National Tender)

1. The State Department for Mining invites sealed tenders for the Supply and Delivery of Laboratory Equipment.
2. Tendering will be conducted under open tendering method using a standardized tender document.
3. Qualified and interested tenderers may obtain a complete set of tender documents from the State Department for Mining website www.mibema.go.ke and PPIP portal, www.tenders.go.ke free of charge.
4. Qualified and interested tenderers may obtain further information during office hours [*i.e.*, 0900 to 1500 hours] at the address given below.
5. The Tenderer shall chronologically serialize all pages of the tender documents submitted.
6. Completed tenders must be delivered to the address below on or before **Thursday 14th September, 2023. 10.00a.m.** Electronic Tenders will not be permitted.
7. 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.
9. Late tenders will be rejected.
10. The addresses referred to above are:

A. Address for obtaining further information

State Department for Mining
Supply Chain Management
Services' Office 2nd floor,
Works Building Ngong Road,
Nairobi

B. Address for Submission of Tenders.

The Principal Secretary,
State Department for Mining,
PO Box 30009 – 00100,
Nairobi, Kenya

Tenders should be deposited at the tender box provided at the Works Building, 2nd floor, Ngong Road, Nairobi

C. Address for Opening of Tenders.

Works Building Third Floor Boardroom, Ngong Road, Nairobi

**HEAD, SUPPLY CHAIN MANAGEMENT SERVICES
FOR: PRINCIPAL SECRETARY**

Date: 29th August , 2023

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 (*spouses, 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.

- 3.4 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.
- 3.5 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.
- 3.6 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.
- 3.7 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
- 3.8 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.
- 3.9 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.
- 3.10 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.
- 3.11 Where the law requires tenderers to be registered with certain authorities in Kenya, such registration requirements shall be defined in the **TDS**.

- 3.12 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website www.cak.go.ke.
- 3.13 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.

B. Contents of Request for Tenders Document

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.

6.2 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.

6.3 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.

6.4 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.

6.5 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**.

10.2 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.

10.3 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 serialise 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

14.1 The currency (ies) of the Tender, the currency (ies) of award and the currency (ies) of contract payments shall be the same.

14.2 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.

14.3 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

15.1 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.

15.2 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.

15.3 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.

15.4 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.

15.5 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

16.1 To establish Tenderer eligibility in accordance with ITT 4, Tenderers shall complete the Form of Tender, included in Section IV, Tendering Forms.

16.2 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 the 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

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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.

18.8 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.

18.9 Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA that PPRA debar 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

19.1 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.

19.2 Tenderers shall mark as "CONFIDENTIAL" information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.

19.3 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 initialled by the person signing the Tender.

19.4 In case the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as

evidenced by a power of attorney signed by each members' legally authorized representatives.

19.5 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialled 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.

20.2 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.

20.3 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

21.3 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

21.4 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.

21.5 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**.

21.6 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.

21.7 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.

21.8 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.

21.9 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.

21.10 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 initialled 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**.

21.11 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).

21.12 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.

21.13 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

21.14 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.

21.15 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.

21.16 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

21.17 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

21.18 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

21.19 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the Tender itself, as defined in ITT28.2.

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.

21.20 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.

21.21 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

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

29.2 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.

29.3 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 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.

30.2 Provided that the Tender is substantially responsive, the Procuring Entity shall handle errors on the following basis:

- a) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to disqualification of the tender as non -responsive.
- b) Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. and
- c) if there is a discrepancy between words and figures, the amount in words shall prevail.

30.3 Tenderers shall be notified of any error detected in their bid during the notification of a ward.

31. Conversion to Single Currency

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

32. Margin of Preference and Reservations

32.1 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.

32.2 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.

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

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

32.5 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

33.1 The Procuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies, the Procuring Entity shall determine the 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.

33.2 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.

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

33.4 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 will be required to prepare the Eligibility and Qualification Criteria Form for each Lot.

33.5 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;

33.6 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 the 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 Lowest Evaluated Tender 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:

- c) the name and address of the Tenderer submitting the successful tender;
- d) the Contract price of the successful tender;
- e) 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;
- f) the expiry date of the Standstill Period; and
- g) 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.

SECTION II – 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	The reference number of the Invitation for Tenders is: <i>MMBE&MA/SDM/003/2023-2024</i> . The Procuring Entity is: <i>State Department for Mining</i> The name of the Tender is: <i>Supply and Delivery of laboratory Equipment.</i>
ITT 1.2(a)	Electronic tendering: Not Applicable
ITT 2.3	The Information made available on competing firms is as follows: Not Applicable The firms that provided consulting services for the contract being tendered for are: Not Applicable
ITT 3.1	Maximum number of members in the Joint Venture (JV) shall be: Not Applicable
ITT 3.7	A list of debarred firms and individuals is available on the PPRA’s website: www.ppra.go.ke
ITT 3.11	Tenderers shall be required to be to be registered with: N/A
B. Contents of Tendering Document	
ITT 6.1	(a) Address where to send enquiries is Head, Supply Chain Management Services Office at 2nd floor, Works Building, Ngong Road within three (3) days from the date of advertising. (b) The Procuring Entity shall publish its response at the website: www.tenders.go.ke and www.mibema.go.ke
ITT 6.2	A pre-tender conference: not be held N/A
ITT 6.3	The questions to reach the Procuring Entity within three (3) days from the date of advertising.
ITT 6.5	Minutes of the Pre-Tender meeting shall be published on the at the website: Not Applicable
C. Preparation of Tenders	

ITT 10 (j)	<p>The Tenderer shall submit the following additional documents in its Tender:</p> <ol style="list-style-type: none"> 1) Must attach a copy of Certificate of Incorporation/Business Registration 2) Must attach a copy of Valid Tax Compliance Certificate 3) Must attach a copy of CR12 for Incorporated Companies or copies of National Identity Cards for Business Registration. 4) Duly Prepared, signed and stamped Form of Tender (in company's letter head) 5) any other documents, letters, catalogues, brochures, reports among others required in bidding. <p>Technical Evaluation for Determination of Responsiveness</p> <ol style="list-style-type: none"> 1. Compliance to technical specification. Broachers must match manufacturer authorization - 70 Marks 2. Manufacturer Authorization- 10 Marks 3. Provide warranty for at least one year- 4 Marks
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	<ol style="list-style-type: none"> 4. Proof of after sales services - 4 Marks 5. provide training schedule after Commissioning - 4 Marks 6. Three previous similar assignments - 4 Marks 7. Proof of financial capability - 4 marks <p style="text-align: center;">Total 100 Marks</p> <p>Note: The pass mark for Technical evaluation shall be 80 marks out of 100 marks. Tenderers that do not pass the technical evaluation will be considered non responsive and will not be considered further.</p> <p>Financial Evaluation</p> <p>This will entail comparison of the financial bids for bidders who are responsive to the technical evaluation. Award will be to the lowest evaluated bidder.</p>

ITT Reference	Particulars of Appendix to Instructions to Tenders
ITT 12.1	Alternative Tenders: <i>shall not be</i> considered.
ITT 13.5	The prices quoted by the Tenderer shall not be subject to adjustment during the performance of the Contract.
ITT 13.6	Prices quoted inclusive of delivery charges, tax and handling charges per item and must be valid for 120 days.
ITT 13.8 (a) (i) and (iii)	Place of final destination: M a d i n i H o u s e, M a c h a k o s Road, Nairobi.
ITT 13.8 (a) (iii)	Final Destination (Project Site): Not Applicable
ITT 13.8 (b) (i)	<i>Estimated place of destination, in Kenya is M a d i n i H o u s e, M a c h a k o s Road, Nairobi.</i>
ITT 13.8 (b) (ii)	<i>price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination which is M a d i n i H o u s e, M a c h a k o s Road, Nairobi</i>
13.8 (c) (iv)	place of final destination (Project Site) is M a d i n i H o u s e, M a c h a k o s Road, Nairobi
ITT 14.2	Foreign currency requirements: not allowed.
ITT 15.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts):
ITT 16.2 (a)	Manufacturer's authorization is: Required
ITT 16.2 (b)	After sales service is: required
ITT 17.1	The Tender validity period shall be: 120 days.
ITT 17.3	(a) The Number of days beyond the expiry of the initial tender validity period will be 30 days. (b) The Tender price shall be adjusted by the following percentages of the tender price: Not Applicable
ITT 18.1	<i>[If a Tender Security shall be required, a Tender-Securing Declaration shall not be required, and vice versa.]</i> <i>A Tender Security of Ksh 1,000,000.00(One Million) from a Reputable Bank recognized in Kenya shall be required.</i> A Tender-Securing Declaration: <i>shall Not be</i> required.
ITT 19.1	In addition to the original of the Tender, the number of copies is: one copy
ITT 19.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: The Name of the Company representative and their Telephone number, ID No, Email, designation, Signature, Official Stamp and Date.
	D. Submission and Opening of Tenders

ITT 20.3	<p>For <u>Tender submission purposes</u> only the Procuring Entity's address is:</p> <p style="text-align: center;">The Principal Secretary, State Department for Mining, P.O Box 30009 – 00100, Nairobi, Kenya</p> <p>Tenders should be deposited at the tender box provided at the Works Building, 2nd Floor, Ngong Road, Nairobi</p> <p>A tender that cannot fit in the tender box shall be received at Supply Chain Management Office, 2nd Floor, Works Building, Ngong Road, Nairobi, before the tender opening date.</p>
ITT 21.1	<p>The deadline for Tender submission is: Date: Thursday, 14th September, 2023 Time: 10:00 am Local Time</p> <p>The electronic Tendering submission procedures: <i>Not Applicable</i></p>
ITT 24.1	<p>The Tender opening shall take place at: Works Building, Ngong Road, Nairobi Date: Thursday, 14th September, 2023</p>
	<p>Time: 10:00 am Local Time</p> <p>The electronic Tender opening procedures shall: <i>Not Applicable</i></p>
ITT 24.6	<p>The number of representatives of the Procuring Entity to sign is as per the Number Indicated in the appointment letter by the Accounting Officer.</p>
E. Evaluation and Comparison of Tenders	
ITT 29.3	<p>The manner of rectify quantifiable nonmaterial nonconformities described below: Not Applicable</p>
ITT 31.1	<p>The currency that shall be used for Tender evaluation and comparison purposes is: Strictly Kenyan Shillings.</p>
ITT 32.3	<p>A margin of preference and/or reservation: <i>shall not</i> apply</p>
ITT 32.5	<p>The invitation to tender is extended to the following group that qualify for Reservations. Open to all</p>
ITT 33.2	<p>Price evaluation will be done for Suppliers who satisfy the technical evaluation Criteria only.</p>
ITT 33.2 (d)	<p>Additional evaluation factors are: N/A</p>

ITT 33.6	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: (a) Deviation in Delivery schedule: Not Applicable (b) Deviation in payment schedule: Not Applicable (c) the cost of major replacement component, mandatory spare parts, and service: Not Applicable (d) the availability in Kenya of spare parts and after-sales services for the equipment offered in the Tender: Not Applicable (e) Lifecycle costs: the costs during the life of the goods or equipment: Not Applicable (f) The performance and productivity of the equipment offered; Not Applicable
ITT Reference	Particulars of Appendix to Instructions to Tenders
	F. Award of Contract
ITT 41.1	The items will be ordered using local Purchase Orders on need basis by the respective Departments N/A
ITT 47.3	Performance security if so required shall be in the sum of: N/A
ITT 49.1	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 . If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by hand delivery or email to: For the attention: Title/position: <i>Head, Supply Chain Management Services</i> Procuring Entity: <i>State Department for Mining</i> In summary, a Procurement-related Complaint may challenge any of the following: 1. the terms of the Tendering Documents; and 2. the Procuring Entity’s decision to award the contract.

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

1. General Provisions

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

- a) For business turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be converted) was originally established.
- b) Value of single contract - Exchange rate prevailing on the date of the contract signature.

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

1.2 This section contains the criteria that the 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.

2. Evaluation of Tenders (ITT 33)

1.3 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:

- a) be substantially responsive to the tender documents;
- b) offer prices that fall within the prevailing market rates.

1.4 Evaluation of Tenders

Evaluation Criteria: The evaluation of tenders shall systematically proceed in the following stages:

- 1. Stage one: Preliminary Evaluation:** Tenders that do not pass at this stage will be considered Non-responsive and will not be considered further. The responsive tenders will proceed to the next stage
- 2. Stage two: Technical Evaluation:** tenders that do not pass at this stage will be considered non responsive and will not be considered further. The responsive tenders will proceed to the next stage
- 3. Stage three: Financial Evaluation:** This stage involves comparison of quoted prices. Only the lowest responsive bidder will be considered for award.

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.

The Preliminary evaluation shall adopt **YES/ No** or \surd / **X** Approach and it shall include:

- 1) Must attach a copy of Certificate of Incorporation/Business Registration

- 2) Must attach a copy of Valid Tax Compliance Certificate
- 3) Must attach a copy of CR12 and National Identity Cards for all directors for Incorporated Companies or copies of National Identity Cards for Business Registration.
- 4) Duly Prepared, signed and stamped Form of Tender (in company's letter head)
- 5) Duly Completed, Signed and stamped Certificate of independent tender determination
- 6) Duly Completed, Signed and stamped Self-Declarations of the tenderer Form (SD 1)
- 7) Duly Completed, Signed and stamped Self-declaration indicating that the person/tenderer will not engage in any corrupt or fraudulent practice Form (SD 2)
- 8) Duly Completed, Signed and stamped Declaration and commitment to the code of ethics form
- 9) Dully Completed, signed and stamped Tender Information
- 10) Dully Completed, signed and stamped Confidential Business Questionnaire
- 11) A Tender Security of Kshs 1,000,000.00 (One Million) is required.
- 12) Tender document must be properly bound and all pages sequentially serialized or paginated
- 13) No substitution, modification, alteration to the issued standard document is allowed. The bidders are required to fill the required forms in the standard documents and attach to the standard document all other documents, letters, catalogues, brochures, reports among others required in bidding.

Note: Tenders that do not pass the Preliminary Examination will be considered Non-responsive and will not be considered further.

Technical Evaluation for Determination of Responsiveness

1. Compliance to technical specification.	
Brouchers must match manufacturer authorization -	70 Marks
2. Manufacturer Authorization-	10 Marks
3. Provide warranty for at least one year-	4 Marks
4. Proof of after sales services-	4 Marks
5. Provide training schedule after Commissioning-	4 Marks
6. Three previous similar assignments-	4 Marks
7. Proof of financial capability-	4 marks
Total	100 Marks

Note: The pass mark for Technical evaluation shall be **80 marks out of 100 marks**. Tenderers that do not pass the technical evaluation will be considered Non responsive and will not be considered further.

Financial Evaluation

This will entail comparison of the financial bids for bidders who are responsive to the technical evaluation. Award will be to the lowest evaluated bidder.

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

This is a framework agreement, where goods shall be ordered on a call off approach, as and when required, therefore the framework agreement shall be awarded to multiple bidders based on a range of prices. Bidders bidding above the lowest Evaluated Tender Price shall be required to match the lowest evaluated price (Based on the prevailing Market Price) within a certain range set by the evaluation committee.

2.2.2 Evaluation Criteria (Other Factors) (ITT 33.6)

The Procuring Entity's evaluation of a Tender may take into account, 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 TDS ITT 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.

b) Deviation in payment schedule. [insert one of the following]

i. tenderers shall state their Tender price for the payment schedule outlined in the SCC. Tenders shall be evaluated on the basis of this base price. tenderers are, however, permitted to state an alternative payment schedule and indicate the reduction in Tender price they wish to offer for such alternative payment schedule. The Procuring Entity may consider the alternative payment schedule and the reduced Tender price offered by the tenderer selected on the basis of the base price for the payment schedule outlined in the SCC.

or

ii. The SCC stipulates the payment schedule specified by the Procuring Entity. If a Tender deviate from the schedule and if such deviation is considered acceptable to the Procuring Entity, the Tender will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the Tender as compared with those stipulated in the SCC, at the rate per annum [insert adjustment rate].

c) Cost of major replacement components, mandatory spare parts, and service. [Not applicable] The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the TDS 15.4, is in the List of Goods.

An adjustment equal to the total cost of these items, at the unit prices quoted in each Tender, shall be added to the Tender price, for evaluation purposes only.

or

The Procuring Entity will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the TDS 15.4. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the tenderer and added to the Tender price, for evaluation purposes only.

or

Tenderer shall provide along with its Tender, the list of recommended spare parts for Goods offered indicating for each item of spare part the recommended quantity and unit, and total CIP final destination prices required during the initial period of operation specified in the TDS 15.4. The prices offered shall not exceed the prevailing prices charged to other parties by the Tenderer.

The cost of such spare parts will not be taken into account for tender evaluation. The Procuring Entity may award the contract for spare parts to the Tenderer that is successful for the supply of Goods, by selecting at its option, from the Tender's list of recommended spare parts, such items and quantities against each as the Procuring Entity may deem appropriate at the unit prices indicated by the Tenderer but not exceeding ----% (present) of the cost of Goods [normally not more than 10% or 15%.]

- d) Availability in Kenya** of spare parts and after sales services for equipment offered in the Tender.

An adjustment equal to the cost to the Procuring Entity of establishing the minimum service facilities and parts inventories if quoted separately, shall be added to the Tender price, for evaluation purposes only.

- e) Life Cycle Costs*

If specified in TDS 33.6, an adjustment to consider the additional life cycle costs for the period specified below, such as the operating and maintenance costs of the Goods, will be added to the Tender price, for evaluation purposes only. The adjustment will be evaluated in accordance with the methodology specified below and the following information: **Not Applicable**

- i) number of years for life cycle cost determination [Not Applicable];*
ii) the discount rate to be applied to determine the net present value of the life-cycle-cost is [Not Applicable]; *iii) the annual operating and maintenance costs (recurrent costs) shall be determined on the basis of the following methodology: Not Applicable*
iv) and the following information is required from tenderers [insert any information required from tenderers, including prices e.g. Guaranteed fuel and/or power consumption, cost of labour, spare parts, etc].

f) Performance and productivity of the equipment: [insert one of the followings]

i) Performance and productivity of the equipment. An adjustment representing the capitalized cost of additional operating costs over the life of the goods will be added to the Tender price, for evaluation purposes if specified in the TDS

33.6. The adjustment will be evaluated based on the drop in the guaranteed performance or efficiency offered in the Tender below the norm of 100, using the methodology specified below.

[Insert the methodology and criteria if applicable e.g. The Following aspects could be considered in the formulation of this methodology and criteria: (i) Tender price for the equipment; ii) Price of spare parts required for AAA years of operations, iii) Adjustments to tender price for omissions, deviations and exceptions to technical and commercial conditions in the tender documents; iv) Capitalized cost savings due to the equipment efficiency at the rate of XXX (specify currency and amount) for each YYY % (percent) above the minimum ZZZ % (percent) efficiency; v) Capitalized cost for the auxiliary power consumption at PPP (specify currency and amount) per KW for AAA years; and vi) Applicable discount rate of BBB%.]

or

ii) An adjustment to consider the productivity of the goods offered in the Tender will be added to the Tender price, for evaluation purposes only, if specified in ITT 33.6. The adjustment will be evaluated based on the cost per unit of the actual productivity of goods offered in the Tender with respect to minimum required values, using the methodology specified below.

[Insert the methodology and criteria if applicable E.G. The evaluation and comparison of responsive tenders shall be based on the total life cycle cost for XXX years, per unit of output. The life cycle cost shall be the sum of the initial purchase price of the equipment and the cost of operation in electric energy for XXX years of operation at unit cost of AAA (specify currency and amount) per kwh, discounted to net present value at YYY percent.]

g) Specific additional criteria

[Other specific additional criteria to be considered in the evaluation, and the evaluation method shall be detailed in TDS 34.6][If specific **sustainable procurement technical requirements** have been specified in Section VII- Specification, **either** state that (i) those requirements will be evaluated on a pass/fail (compliance basis) **or** otherwise (ii) in addition to evaluating those requirements on a pass/fail (compliance basis), if applicable, specify the monetary adjustments to be applied to Tender Prices for comparison purposes on account of Tenders that exceed the specified minimum sustainable procurement technical requirements.]

2.2.4. Multiple Contracts (ITT 33.4)

Multiple contracts will be permitted in accordance with ITT 33.4. 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

- i) 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.
- ii) If a tenderer wins more than one Lot, the tenderer will be awarded contracts for all won Lots, provided the tenderer meets the aggregate Eligibility and Qualification Criteria for all the Lots. The tenderer will be awarded the combination of Lots for which the tenderer qualifies and the others will be considered for award to second lowest the tenderers.

OPTION 2

The Procuring Entity will consider all possible combinations of won Lots [contract(s)] and determine the combinations with the lowest evaluated price. Tenders will then be awarded to the Tenderer or Tenderers in the combinations provided the tenderer meets the aggregate Eligibility and Qualification Criteria for all the won Lots.

2.2.5. Alternative Tenders

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

[insert one of the following]

“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.”

3. Margin of Preference

- a. 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%.

- b. The margin of preference will be applied in accordance with, and subject to, the following provisions:
 - i. 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.
 - ii. 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:
 1. **Group A:** Tenders offering goods manufactured in Kenya, for which (a) labour, 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;
 2. **Group B:** All other Tenders offering Goods manufactured in Kenya;
 3. **Group C:** Tenders offering Goods manufactured outside Kenya that have been already imported or that will be imported.
 - iii. 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.
 - iv. 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.
 - v. 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.
 - vi. 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.”

4. 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.]

a. 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].

b. If the Tenderer is a manufacturer

i. Financial Capability

i) 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].

ii) 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

iii. (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.

c. 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.

i) 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

ii) 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.

iii) 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.

d. 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].

e. 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.

4.6. 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

or

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

- f) **Discounts:** The discounts offered and the methodology for their application are:
- i) The discounts offered are: [*Specify in detail each discount offered.*]
- ii) The exact method of calculations to determine the net price after application of discounts are shown below: [*Specify in detail the method that shall be used to apply the discounts*];
- g) **Tender Validity Period:** Our Tender shall be valid for the period specified in TDS 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;
- (h) **Performance Security:** If our Tender is accepted, we commit to obtain a performance security in accordance with the Tendering document;
- i) **One Tender per tenderer:** We are not submitting any other Tender(s) as an individual tenderer, and we are not participating in any other Tender(s) as a Joint Venture member, or as a subcontractor, and meet the requirements of ITT 3.9, other than alternative Tenders submitted in accordance with ITT 12;
- j) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the 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;
- k) **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*];
- l) **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.”)

- m) **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;
- n) **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
- o) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.
- p) **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.
- q) **Collusive practices:** We hereby certify and confirm that the tender is genuine, non- collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the “Certificate of Independent tender Determination” attached below.
- r) We, the Tenderer, have completed fully and signed the following Forms as part of our Tender:
 - a) Tenderer's Eligibility; Confidential Business Questionnaire – to establish we are not in any conflict to interest.
 - b) Certificate of Independent Tender Determination – to declare that we completed the tender without colluding with other tenderers.
 - c) Self-Declaration of the Tenderer – to declare that we will, if awarded a contract, not engage in any form of fraud and corruption.
 - d) 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 tenders in response to the request for tenders made by: _____ [Name of Tenderer] do hereby make the following statements that I certify to be true and complete in every respect:

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

1. I have read and I understand the contents of this Certificate;
2. I understand that the Tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am the authorized representative of the Tenderer with authority to sign this Certificate, and to submit the Tender on behalf of the Tenderer;
4. For the purposes of this Certificate and the Tender, I understand that the word “competitor” shall include any individual or organization, other than the Tenderer, whether or not affiliated with the Tenderer, who:
 - a) has been requested to submit a Tender in response to this request for tenders;

- b) could potentially submit a tender in response to this request for tenders, based on their qualifications, abilities or experience;
5. The Tenderer discloses that [check one of the following, as applicable]:
- a) The Tenderer has arrived at the Tender independently from, and without consultation, communication, agreement or arrangement with, any competitor;
 - b) the Tenderer has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this request for tenders, and the Tenderer discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements;
6. In particular, without limiting the generality of paragraphs (5)(a) or (5)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- a) prices;
 - b) methods, factors or formulas used to calculate prices;
 - c) the intention or decision to submit, or not to submit, a tender; or
 - d) the submission of a tender which does not meet the specifications of the request for Tenders; except as specifically disclosed pursuant to paragraph (5)(b) above;
7. In addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the works or services to which this request for tenders relates, except as specifically authorized by the procuring authority or as specifically disclosed pursuant to paragraph (5)(b) above;
8. the terms of the Tender have not been, and will not be, knowingly disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening, or of the awarding of the Contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (5)(b) above. Name

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

1. 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.
2. THAT the aforesaid Bidder, its Directors and subcontractors have not been debarred from participating in procurement proceeding under Part IV of the Act.
3. THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

.....
(Title) (Signature) (Date)

FORM SD2

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

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

1. THAT I am the Chief Executive/Managing Director/Principal Officer/Director of..... (*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.

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

3. 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*).

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

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

.....

(Title)

.....

(Signature)

.....

(Date)

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)

1. Purpose

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

2. Requirements

2.1 The Government of Kenya requires that all parties including Procuring Entities, Tenderers, (applicants/proposers), Consultants, Contractors and Suppliers; any Sub-contractors, 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.

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

- 1) a person to whom this Act applies shall not be involved in any corrupt, coercive, obstructive, collusive or fraudulent practice; or conflicts of interest in any procurement or asset disposal proceeding;
- 2) A person referred to under subsection (1) who contravenes the provisions of that subsection commits an offence;
- 3) Without limiting the generality of the subsection (1) and (2), the person shall be—
 - a) disqualified from entering into a contract for a procurement or asset disposal proceeding;
 - or
 - b) if a contract has already been entered into with the person, the contract shall be voidable;
- 4) The voiding of a contract by the procuring entity under subsection (7) does not limit any legal remedy the procuring entity may have;
- 5) An employee or agent of the procuring entity or a member of the Board or committee of the procuring entity who has a conflict of interest with respect to a procurement: -
 - a) shall not take part in the procurement proceedings;

- b) shall not, after a procurement contract has been entered into, take part in any decision relating to the procurement or contract; and
- c) shall not be a subcontractor for the 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.

6) 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;

7) 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.

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

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

i) "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;

ii) "fraudulent practice" is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;

iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

v) "obstructive practice" is:

- 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.

b) 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.

c) Rejects a proposal for award¹ of a contract if PPRA determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, 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;

d) 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;

e) Requires that a clause be included in Tender documents and Request for Proposal documents requiring (i) Tenderers (applicants/proposers), Consultants, Contractors, and Suppliers, and their Sub-contractors, Sub-consultants, Service providers, Suppliers, Agents personnel, permit the PPRA or any other appropriate authority appointed by Government of Kenya to 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

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

¹*For the avoidance of doubt, a party's ineligibility to be awarded a contract shall include, without limitation,*

(i) applying for pre-qualification, 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*

1. Tenderer's Name <i>[insert Tenderer's legal name]</i>
2. In case of JV, legal name of each member: <i>[insert legal name of each member in JV]</i>
3. Tenderer's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4. Tenderer's year of registration: <i>[insert Tenderer's year of registration]</i>
5. Tenderer's Address in country of registration: <i>[insert Tenderer's legal address in country of registration]</i>
6. Tenderer's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>

7. 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:
- (i) Legal and financial autonomy
- (ii) Operation under commercial law
- (iii) Establishing that the tenderer is not under the supervision of the Procuring Entity
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

alternative] Page _____ of _____

_____ pages

TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE

FORM a) 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.	1. Country 2. City 3. Location 4. Building 5. Floor 6. Postal Address 7. 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.	

General and Specific Details

b) Sole Proprietor, provide the following details.

Name in full _____

Age _____ Nationality _____

Country of Origin _____ Citizenship _____

c) Partnership, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

(d) Registered Company, provide the following details.

i) Private or public Company _

ii) State the nominal and issued capital of the Company-

49

Nominal Kenya Shillings (Equivalent)

Issued Kenya Shillings (Equivalent)

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

e. **DISCLOSURE OF INTEREST-**

Interest of the Firm in the Procuring Entity.

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

If yes, provide details as follows.

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

- (ii) Conflict of interest disclosure

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		

4	Tender has a relationship with another tenderer, directly or through common third parties that puts it in a position to influence the tender of another tenderer, or influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting		

50

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
	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 Entity who would be involved in the implementation or supervision of the Contract.		

9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract?		
---	--	--	--

(f)

Certification

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

Page _____ of _____ pages

1.	Tenderer's Name: <i>[insert Tenderer's legal name]</i>
2.	Tenderer's JV Member's name: <i>[insert JV's Member legal name]</i>
3.	Tenderer's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4.	Tenderer's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5.	Tenderer's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6.	Tenderer's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member authorized representative]</i>
7.	Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> 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. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Procuring Entity, in accordance with ITT 4.6.
8.	Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

PRICE SCHEDULE FORMS

TENDER NAME: Supply and Delivery of Laboratory Equipment.

TENDER NO. MMBE&MA/SDM/003/2023-2024

LOT 1. PRICE SCHEDULE FOR LABORATORY EQUIPMENT

S/No	Item Description	Qty	Unit Price (Kshs.)	Total Price (Kshs.)
1	Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) (As Per Specifications)	1		
2	Handheld XRF Specifications) (As Per Specifications)	1		
3	X-RAY Diffractometer (XRD) (As Per Specifications)	1		
4	Gem-N-Eye III Refractometer) (As Per Specifications)	4		
5	Polariscope (As Per Specifications)	5		
6	Dichroscope (As Per Specifications)	6		
7	Analytical Weighing Balance (As Per Specifications)	3		
8	Fluoride Ion Meter (As Per Specifications)	2		
9	Laboratory Stools (As Per Specifications)	50		
10	Laboratory Reception Waiting Benches (As Per Specifications)	10		
11	Ground Penetration Radar (As Per Specifications)	1		
12	Miniflex300/600 Benchtop x-Ray Diffractometer (As Per Specifications)	1		
13	Magnetometer (As Per Specifications)	1		
14	LIBS Hand Held Spectrometer (As Per Specifications)	1		
15	Wooden Tripod (As Per Specifications)	2		
16	External Battery (As Per Specifications)	2		

17	Tribrach Adapter (As Per Specifications)	2		
18	OR-GNSS-P ORIGIN GNSS – PERPETUAL (As Per Specifications)	2		
19	GPS-Garmin Montana 750i (As Per Specifications)	10		
20	Magnetometer (As Per Specifications)	1		
21	Vibrometers (As Per Specifications)	2		
22	Vibrometer Battery- INSTANTEL MINIMATE PLUS- (As Per Specifications)	200		
23	Laser Distance Meter (As Per Specifications)	12		
24	Laptops (As Per Specifications)	40		
25	All In One Desktop Computer (As Per Specifications)	40		
26	Heavy Duty All In One Colour Laser Photocopier (As Per Specifications)	2		
27	Multifunction Coloured Laser Printer (As Per Specifications)	15		
28	Hardness Kit (As Per Specifications)	2		
29	Gemological Microscope (As Per Specifications)	1		
30	Bead Making And Drilling Machine (As Per Specifications)	1		

31	Gemological Polariscope <i>(As Per Specifications)</i>	2		
32	Loose Gemstone Display Holders <i>(As Per Specifications)</i>	10		
33	Gemstone Cleaning Cloth <i>(As Per Specifications)</i>	100		
34	Gemstone Report Cards <i>(As Per Specifications)</i>	350		
35	Portable Gem Lab Kit <i>(As Per Specifications)</i>	1		
36	High Definition Digital Camera with Accessories <i>(As Per Specifications)</i>	1		
37	Portable XRF <i>(As Per Specifications)</i>	1		
38	Polish Laps <i>(As Per Specifications)</i>	4		
39	Polish Laps <i>(As Per Specifications)</i>	4		
40	Diamond Powder <i>(As Per Specifications)</i>	6		
41	Cerium Oxide Powder -20kgs <i>(As Per Specifications)</i>	1		
42	Silicon Carbide for Tumbling <i>(As Per Specifications)</i>	2		
43	Silicon Carbide for Tumbling <i>(As Per Specifications)</i>	2		
44	Silicon Carbide for Tumbling <i>(As Per Specifications)</i>	2		
45	Dop Sticks Assorted Metallic <i>(As Per Specifications)</i>	2		
46	Facetting Machine <i>(As Per Specifications)</i>	1		
47	Hand Held GPS <i>(As Per Specifications)</i>	30		

48	Ultra-books (As Per Specifications)	10		
49	300 KVA Standby Generator. (As Per Specifications)	1		
50	High Resolution Digital Camera (As Per Specifications)	10		
51	Projector (As Per Specifications)	3		
52	65 Inch UHD-4K Display Screen (As Per Specifications)	4		
53	Drilling Rig (As Per Specifications)	1		
54	SPECIFIC GRAVITY BALANCE (As Per Specifications)	1		

Note: For the above equipment bidders will be required to quote for the supply, delivery, installation, commissioning and training

Notes

- i). The price quoted should be inclusive of all applicable taxes
- ii). The prices quoted shall remain valid for a period of 120 days.

Name of tenderer:

Signature of tenderer:

Date:

Official Stamp:

Handheld XRF

SPECIFICATIONS

Excitation source
50 kV, 4 W, Rh target

Operator adjustable current and voltage for optimum excitation.

Detection
Large active area 20mm² SDD detector with graphene window

<140eV @ 250,000 cps Mn Ka resolution.

Collimation
User changeable collimator: 3 mm and 8 mm collimators supplied.

Internal sample camera to identify exact measurement position.

Filters
Operator controlled, 5 position primary beam filter wheel.

Manual filter/secondary target slot for factory or user made filters.

Size and weight
Weight: 1.9 kg with battery

Size (LxWxH): 27 cm x 9 cm x 30 cm

Elemental Range
Sodium to Uranium (air and vacuum)

Fluorine to Uranium (with helium purge)

SPECIFICATION

X-RAY Diffractometer (XRD)

GONIOMETER

Theta / Theta

Sample is always horizontal and cannot fall off during powder diffraction measurement.

Angular accuracy

Alignment accuracy guaranteed within $\pm 0.01^\circ 2\theta$.

Traceable by included corundum reference.

GENERATOR

30 to 50 kV

600 W to 1,200 W

COOLING

Internal

For all generator versions, no water supply needed.

External

Optionally available

DETECTORS

<p>SSD160-2 Si-strip detector with 160 channels</p> <p>LYNXEYE-2 Ultra-fast 1D detector (*)</p> <p>LYNXEYE XE-T Ultra-sensitive, energy dispersive 1D detector (*)</p> <p>Detector Guarantee absolutely faultless, no dead strips</p>
<p>SAMPLE STAGES</p> <p>Fix stage For reflection and foil transmission without sample rotation</p> <p>Rotating single or 12-position Best sampling statistics, high throughput</p> <p>BTS 150/500 Temperature chambers for powder diffraction</p> <p>Capillary stage For transmission measurements, rotation for best sampling</p> <p>Universal stage Omega/z movement with optional attachments for GID/XRR and Stress/Texture analysis</p>
<p>ELECTRICAL SPECIFICATIONS</p> <p>110 - 240 V AC, 600-1200 W X-ray generator power</p> <p>47 - 63 Hz All domestic wall sockets must be supported.</p>
<p>OPERATION</p> <p>External PC Windows 11, 64 bits</p> <p>Integrated touch panel Basis instrument operation, trouble shooting and push-button measurements and evaluations.</p>
<p>DIMENSIONS</p> <p>H W D Small footprint, 70x88.5x67.7 cm (27.6"x35"x26.7")</p> <p>Weight Maximum 180 kg</p>
<p>SAFETY</p> <p>CE Compliance Machinery Safety (EN/ISO12100:2010), Electrical Safety (2014/35/EU) Electromagnetic compatibility (2014/30/EU)</p> <p>Radiation Safety Directive 2013/59/EURATOM, safety circuit to meet EN ISO 13849-1, performance level E, DIN 54113 part 2</p>

Fluoride Ion selective meter		
1.	Ion Fluoride range	1 x 10 ⁻⁸ M (ppm, mg/l, mol/l)
2.	Saturation	±0.5% full scala
3.	mV Range	0~ ±1999.9mV
4.	mV Accuracy	±2mV
5.	Temperature Range	0.0~105°C
6.	Temperature Accuracy	±0.5°C

7.	Temperature Compensation	0~100°C
8.	Calibration point	2 up to 5 points
9.	Communication	USB Communication
10.	Memory	500 Data set with date, time
11.	Connector	BNC
12.	Power	3 x 1.5V "AA" Batteries
13.	Size	170(L) x 85(W) x 30(H) mm
14.	Weight	250 -300 g
15.	Accessories	-Fluoride Ion Selective Electrode -Temperature Probe Carrying Case
16.	Installation, training and commissioning	

Gem-N-Eye III refractometer		
Principle		Reflectivity
Maximum RI	3.300	3.300
Fluid requirement	None	None
Readout		Digital Readout on LCD
Internal Database		At least 200 Gemstones
Calibration		User Adjustable
Accuracy of RI		+/- .010
Installation, training and commissioning		

Polariscope
Full visible light spectrum. (400nm-700nm)
A CONOSCOPE is included.
Detachable clip included, can rotate the stone in any direction.
Voltage 220V-240V
Adaptable plug.
1 X 15W replacement bulb
Size 8cm (w) x 12cm(l) x14cm(h), with a viewing field 4cm in diameter.
Table glass (40mm in diameter) over the lower polarizer
Built-in light source.
At least one year warranty
Installation, training and commissioning

Dichroscope
Type: calcite
Diameter: 12-15mm
Length: 40-60mm
Body: Metal

TECHNICAL SPECIFICATIONS FOR A MINERAL LABORATORY INFORMATION MANAGEMENT SYSTEM

The Proposed Laboratory Information Management System (LIMS) is aimed automate the tests request and the process involved in delivering the results to the concerned department/client. The LIMS starts with receiving online request for tests from dealers/clients and also allows Laboratory personnel to generate requests. The system must support the performance of various mineral. Tests are grouped under various sections and sample type (specimen). Based on the request the user can input the sample and generate the sample number. Results can be entered based on the sample type either to one test or multiple tests. If the test result requires approval, the supervisor has to approve the result and it is made available to concerned client. The following are its specifications:

FUNCTIONAL DESCRIPTIONS

No.	Functional Requirement
1.	General Requirements
1.1.	The laboratory information management system (LIMS) must be commercial- off-the-shelf (COTS) solution designed for small to large scale Laboratory testing operations, and must be configurable, scalable and adaptable to changes over time, modular allowing addition of functions, and capable of meeting the current and the changing needs of the Mining, Inspection and Testing Centre.
1.2.	The system must allow remote accesses using portable devices, including telephones, tablets, laptops and desktops
1.3.	The system must support login security, periodic password changes, and electronic signature
1.4.	The application software must be fully developed standard product with a proven track record of use in testing laboratories serving large public/Private sector organizations with offices dispersed at various locations within the country
1.5.	The laboratory information management system must provide for sample test ordering at the remote sample collection site, and ability to accesses laboratory data and reports from anywhere using personal computers, mobile and any device using web browsers.
1.6.	The scope of work must include an evaluation of process flow and activities to establish requirements, software installation and configuration, system verification and validation, staff training on the system operation and administration, and maintenance.
1.7.	The Laboratory Information Management System (LIMS) processing functions must cover the laboratory processing phases, but not limited to the following: <ol style="list-style-type: none"> 1) Sample reception and registration. 2) Billing and Payment processing 3) Assignment of tests, scheduling of work and tracking of sample. 4) Quality control of the sample, solutions and instruments. 5) Recording, processing and storage of data. 6) Review and approval of sample analysis results, and reporting.
1.8.	The LIMS must facilitate efficient laboratory operations in producing timely and accurate analytical data and reports, and provision of validated data to all relevant parties. The key features must include, but not limited to the following: <ol style="list-style-type: none"> 1) Sample log-in 2) Sample identification 3) Barcode labelling 4) Sample distribution

No.	Functional Requirement
	5) Sample tracking 6) Chain of custody and audit trail 7) Assigning work 8) Status monitoring 9) Data entry and storage 10) Electronic data transfer 11) Data import and export 12) Calculations 13) Quality control 14) Data analysis 15) Data validation 16) Review and approval of results 17) Reporting results 18) Data queries 19) Document management 20) Personnel Management 21) Inventory management 22) Customer relationship management 23) Billing for laboratory services 24) Regulatory compliance
2.	Sample Collection and Registration
2.1.	The system must allow single and multiple registration of a set of samples in a single operation, and assign unique sample identification number to each sample in the batch
2.2.	Sample acceptance is done when the specimen is in required quantity and parameters; if the sample falls short of the required parameters the sample is recollected.
2.3.	The System should support Sample acceptance when the specimen is in required quantity and parameters; if the sample falls short of the required parameters the sample is recollected. Collected sample is allocated the unique bar code. The bar code slip is pasted on the container
2.4.	The system must automatically assign unique identification number to each sample. In the case where a sample is split or sub-divided, the system must assign and associate subsequent identification numbers with the original sample
2.5.	The system must capture and store information including sampling, purpose for analysis, sample comments, and requesting address. The system must support digital picture and document uploading and attachment, and associate with the sample.
2.6.	The system must update sample due date based on receiving date and sample holding time
2.7.	The system must be capable of receiving sample analysis requests from remote locations using the web and third party software.
2.8.	The system must update sample due date based on receiving date and sample holding time.
2.9.	The system must have ability to follow the sample processing status through the laboratory
2.10.	The system must produce chain of custody documents for each sample collected, and maintain a complete history of sample transfers from receipt to disposal.
2.11.	The system must maintain records of changes, when the change was made, who made the change, and why it was changed.
2.12.	The system must allow for the selection and assignment of tests to analysts and laboratory sections.

No.	Functional Requirement
2.13.	The system must associate appropriate procedures with tests required for specific type of sample.
2.14.	Each test must be uniquely identified with a code, and association of multiple test components with the test code.
2.15.	The system must identify the laboratory analyst who performed the test, and who entered the results.
2.16.	<p>The following information is captured during this process:</p> <ul style="list-style-type: none"> ➤ Customer Registration Number ➤ The source which placed the order ➤ Requesting Person ➤ Urgency of request (routine / stat) ➤ Whether a specimen is collected ➤ Details of the tests required ➤ Specimen type indicator for type of collection container ➤ A unique access number is generated for each order, or set of orders ➤ Mode of Payment
2.17.	The system would alert the user if a repeat test order is being placed within the same day, to prevent duplication of orders.
Sample collection and acceptance	
1.	The system would generate a bar-coded specimen label at the source of the test order, indicating the accession number and dealer/client details. The format of this label should be customizable by the user.
2.	The collection list can be printed based on user-defined criteria. This would be based on time period / types of test. The lists are printed in the order of location and date to facilitate collections in a streamlined manner.
3.	Sample acceptance is done when the specimen is in required quantity and parameters; if the sample falls short of the required parameters the sample is recollected. Collected sample is allocated the unique bar code. The bar code slip is pasted on the container.
Work list generation	
4.	The system should be able to generate work lists to assist the Laboratory technicians to organize their work by grouping together tests that are carried out together on the same equipment
5.	The work list format should be user-definable including the tests that form part of the work list and formatting rules. Work lists must be formatted for each individual test or group and numbers of samples on each format.
6.	Work lists should be individually created, with a unique number and would include the appropriate set of outstanding test orders
7.	The option to print the work list should be there. The user can select the different filter condition and take the print of the same
Result Entry and verification	
8.	Upon processing of test the Result Entry must be entered manually. All result entry / modification is logged with details of date / time and operator who made the entry / modification
9.	<p>In manual entry, the results must be entered via any one of the following methods</p> <ul style="list-style-type: none"> ➤ By request number ➤ By work list (Waiting for Result)

No.	Functional Requirement
10.	The results verification has to be done once the results are entered. This must be done by the HOD / Technician to approve the results.
11.	The system would come with a database of results and the reference ranges of the results for each common test
12.	There is automatic validation of test results based on related reference range checks.
13.	If the results value is beyond tolerable range, an auto SMS or E-Mail alert must shoot to the respective technician's mobile / E-Mail account
14.	All result entry / modification is logged with details of date / time and operator who made the entry / modification
15.	Once the test is done and results are entered by the user, the system requires the verification of the result values by HOD / Technicians which must enable the results to be accessed by the client / requester online.
16.	Verification authority must have the system to redirect the test in case the values seems to be unusual
	Reports Delivery
17.	Results are automatically made Available in the LMS upon verification of the result, either by the system or a supervisor.
18.	If there is a requirement for a signed copy of the results, for example for referrals, the results are printed in the Laboratory in a batch mode. The format of these reports is customizable by the user.
19.	There should be an option to provide interim results for a set of tests, provided all essential test have been completed
20.	There should be a user-defined option to archive completed requests and results. The archived data is restorable if and when required.
	Charging
21.	The system would automatically create a charge in the Clients bill for any procedure that is carried out.
22.	<p>There should be flexibility in determining the point where client would be charged.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> ➤ Client would be charged once test order is raised ➤ Client would be charged once the result entry is done
23.	There should be option for reversing the charges, provision for which should be available with Supervisor
	Laboratory Reports
24.	<p>On-line result inquiries by</p> <ul style="list-style-type: none"> ➤ Client Mobile no or Registration Number ➤ Request number ➤ Requested by ➤ Source (Investor / Mines and Geological Department/ Police/Government Chemist/University or Tertiary Institution/ Mineral Dealer/Mineral Trader/) ➤ Test Name/code
25.	<p>Client's / Source Order Report by</p> <ul style="list-style-type: none"> ➤ Date range ➤ Test
26.	<p>Outstanding Results Report by</p> <ul style="list-style-type: none"> ➤ Date range ➤ Department

No.	Functional Requirement
	➤ Report category
27.	<p>Statistics</p> <ul style="list-style-type: none"> ➤ Test statistics ➤ Workload statistics
28.	<p>Number and type of tests performed /done per day</p> <p>Number of tests from Clients (Investor / Mines and Geological Department/ Police/Government Chemist/University or Tertiary Institution/ Mineral Dealer/Mineral Trader/)</p> <p>Number of tests performed by the Laboratory</p> <p>Average number of tests per Client</p> <p>Number of errors in the results</p> <p>Number of repeated tests due to errors</p> <p>Supplies management</p> <p>Number and type of test kits</p> <p>Number of tests per kit vs tests performed</p> <p>Wastage/breakages</p> <p>Supplies management</p> <p>Financials</p> <p>Income per month. Cash Corporate Schemes</p> <p>Expenses</p>
3.	Training
3.1.	Provide course outlines for user and administrator training.
3.2.	The training must include provision of training manuals, workbooks, Administrator training guides, training aids, and technical manuals.
3.3.	Initial training must be conducted on-site at the Ministry (Madini laboratory)
3.4.	Follow-up training must be provided on-site
3.5.	Provide training on proper installation, configuration, system administration and maintenance of the system.
4.	Functional and Acceptance Testing
4.1.	System testing must be tested after installation to demonstrate operation of the components, performance and functionality of the system and all the features.
4.2.	The acceptance test must run for 30 days or specified number of days, to test stability and completeness over time. The users must be trained and start using the system in day- to-day operations, with assistance.
4.3.	Final acceptance must be upon successful testing and completion of the test period.

Analytical Weighing Balance	
Capacity	250 to 300g
Readability	0.0001
Reproducibility	0.0001 (0 to 200g)
Linearity	0.0003
Pan size	90 dia.
Operating temperature	+5 to +40 at 85% RH or less
Weight	3.0 to 4kg

Fluoride Ion Meter	
Ion Concentration Range	<ul style="list-style-type: none"> • 1×10^6 M to Saturation • 0.02ppm to Saturation
Ion Concentration Accuracy	<ul style="list-style-type: none"> • $\pm 0.5\%$ Full Scale
Selectable Unit	<ul style="list-style-type: none"> • ppm, mg/L, mol/L
Calibration Points	<ul style="list-style-type: none"> • 2 to 5 points
mV	<ul style="list-style-type: none"> • Range: -1999.9~1999.9mV • Accuracy: ± 0.2mV
Temperature	<ul style="list-style-type: none"> • Range: 0~105°C, 32~221°F • Accuracy: ± 0.5°C, ± 0.9°F
Temperature Calibration	<ul style="list-style-type: none"> • Manual
Temperature Compensation	<ul style="list-style-type: none"> • 0~100°C, 32~212°F, Automatic or Manual

Laboratory stools
Stainless steel legs, Feet nails is made plastic cover
Plastic top
Adjustable height
Scratch resistant, acid and alkali proof
Easier maintenance and cleaning
*Rugged polyurethane round seat is self-skinning, chemical-resistant, and puncture-resistant, easily cleaned, and soil resistant (Design for lab).
*Strong bearing capacity

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Laboratory Reception waiting Benches
Must be padded
Corrosion resistant
Durable with strong framework
Easy to assemble and disassemble for easy relocation
Bidders must attach photo of benches intending to supply

LIBS Hand held spectrometer specifications	
Laser	1064nm laser
Safety features	pressure, spectral sensor interlocks
Modes / analytical range	Stainless Steel: C, Al, Si, Ti, V, Cr, Mn, Co, Ni, Cu, Nb, Mo, W Low Alloy / Carbon Steel: C, Al, Si, Ti, V, Cr, Mn, Ni, Cu, Mo, W
Argon usage	About 200 shots per cartridge
Libraries	Default alloy libraries based on SAE, AISI, ASTM standards. Users may create, clone and edit libraries
IP Rating	IP54 (splash and dust proof)
Operating environment	Temperature: 32°F - 104°F (0°C - 40°C)
Altitude	6,000 ft maximum
Display	Tilting, color, resistive touchscreen display
Power	24V, 3.75A, 90W power supply
Macro camera	Integrated CCD macro camera for capturing overview images of parts and tagging measurement locations
Micro camera	Integrated CCD micro camera for locating and recording measurement positions
Global positioning system	Internal GPS (ability to include coordinates with sample information)
Bluetooth	Bluetooth 4.0 (supports print functionality)
Memory / data storage	512 MB internal system memory / 16 GB industrial grade storage Stores approximately 5,000 readings with spectra (fewer if macro and micro images are saved)
Data entry	Touchscreen keyboard. User customizable data entry
Data transfer	WiFi, USB
Operating system	Linux
Support software	Suitable PC software
Security	Password-protected user security
Languages	English
Standard accessories	Locking shielded carrying case Two (2) Milwaukee® M18™ Redlithium™ High Demand™ CP2.0 battery packs One (1) Milwaukee® M18™ & M12™ multi-voltage charger One (1) Box Analytical Argon - 5 pack Setup standards Laser safety glasses Instrument cleaning kit Safety lanyard and carabiner PC connection cable
Compliance	CE, RoHS, FCC, Industry Canada, Safety to IEC 61010-1:2010
warranty	1 year
Installation & training	Training in the use of the equipment to be provided

No.	ITEM(Machine)	Specification	
1	Wooden Tripod	Lock type	Quick Clamp
		Legs	Birch wood
		Extends	At least 73 inches (1.85 m)
		Head	Triangle/Flat
		Colour	Black
		Weight	At least 7.35 kg (16.20 lb.)
2	External Battery	Voltage	7.4V
		Capacity	2600mAh
		Chemistry	Lithium ion
		Terminal Type	Pressure Contacts
		Dimensions	70.83 x 38.71 x 20.72mm
3	Tribrach Adapter	Plummet	Optical plummet and 2X magnification and a twist focus
		Reticule	2 Small concentric circles
		Sighting Distance	0.3 – 15m
		Accuracy	0.5mm per 1.5m
		Colour	Black
		Weight	At least 0.70 kg (1.55 lb.)
		Cantering Knob	Locking forced
		Base	5/8 x 11
		Circular Vial	8-minute
		Rotating Tribrach Adapter	Adapts retro prisms to Swiss-style tribraches
			Includes a removable Zeiss plug and locking screw
			Fits all Tribrach's
			Weight: At least 0.80kg (1.75lb)
4	OR-GNSS-P ORIGIN GNSS - PERPETUAL	Trimble TDC600 (software)	
		Handheld Data Collector	
5	GPS-Garmin Montana 750i	Dimension	3.6" x 7.2" x 1.3" (9.19 x 18.30 x 3.27 cm)
		Weight	14.5 oz (410 g) with included lithium-ion battery pack
		Waterproof	IPX7
		MIL-STD-810	yes (thermal, shock, water, vibe)
		Touchscreen	
		Display Type	WVGA transfective, dual orientation
		Display Size	2.55"W x 4.25"H (6.48 x 10.80 cm); 5" diag (12.70 cm)
		Display resolution	480 x 800 pixels
		Battery type	rechargeable lithium-ion (included)

	Battery life	GPS Mode: up to 18 hours
		GPS Mode, 10 min Tracking: up to 18 hours
		Expedition Mode: up to 330 hours
		Expedition Mode, 30 min Tracking: up to 300 hours
	Memory/History	16 GB (user space varies based on included mapping)
	Interface	high speed micro USB and NMEA 0183 compatible

Magnetometer specifications	
Operating Principle	Self-oscillating split-beam Cesium Vapor and Archaeological Exploration (non-radioactive).
Operating Range:	20,000 to 100,000 nT.
Operating Zones	The earth's field vector should be at an angle greater than 10° from the sensor's equator and greater than 10° from the sensor's Acquisition long axis. Automatic hemisphere switching.
Noise:	< 0.004 nT Hz rms. (SX (export) version: 0.02 nT/Hz rms)
Max Sample Rate	10 Hz changeable.
Heading Error:	0.15 nT over entire 360° equatorial and polar spins.
Gradient Tolerance:	20,000 nT/m.
Temperature Drift:	0.05nT/°C.
Power:	24 to 35 VDC, 15 - 30 W to start and 20 to 35 VDC, 15 W to run.
Data Logger:	Android tablet,
Data Storage:	1 GB USB drive, 16GB on tablet.
Data Format:	ASCII, MS Windows PC compatible micro-seismic or earthquake studies
Backpack: (kg)	approx. 4- 4.5kg
Storage Temperature:	-45° C to +70° C (-48° F to +158°F).
Operating Temperature:	35° C to +50° C (-30° F to +122° F).
Cable Length:	4m
Electronics Module Dimensions:	DIA: 7 cm; L: 38.7 cm; Weight: .91 kg (15.25 x 2.75 in; 2 lb).
Sensor Dimensions:	DIA: 7 cm; L: 17.2 cm; Weight: .82 kg with cable. (6.75 in x 2.75; 1.8 lb).
Altitude:	Up to 9,000 m (30,000 ft).
Weatherproof:	O-Ring sealed for operation in the rain and/or 100% humidity, Tablet: IP67 rated.
Shock:	Survives a 3 ft drop onto a hard surface.
Power:	24 to 35 VDC, 15 - 30 W to start and 20 to 35 VDC, 15 W to run.
Battery:	Lead acid or Li-Po

Standard Accessories:	Shipping/storage case, Power/Data Cable, DC/Data Junction Box, MagMap, MagPick, and CsAz software.
warranty	2 years
Installation& training	User training to be provided

MiniFlex300/600

Benchtop X-Ray Diffractometer

SPECIFICATION

Document No : ADA-S005E

Rigaku Corporation

Controlled by Planning Dept. of Rigaku Corporation.

Edition	Revision date	Revision record
8 th	October 25, 2017	Added SC-70S and ASC-6
7 th	May 25, 2017	Adapt for HyPix-400 MF, ASC-8, and D/teX monochromator
6 th	August 7, 2014	Modified Sample spinner and ASC-6
5 th	July 29, 2014	Added the mid-temperature sample attachment hot plate
4 th	February 5, 2013	Correction: Display 19-inch TFT→17-inch TFT
3 rd	February 10, 2012	Added power cable specifications
2 nd	January 19, 2012	Added variables slit specifications
1 st	January 15, 2012	

1. Overview

MiniFlex300/600 is a compact, light-weight benchtop X-ray diffractometer which can be used in broad range of area in R&D and quality control, such as from qualitative analysis to environmental quantitative analysis (general quantitative analysis, free silicic acid) or diffraction pattern comparison of crystal, amorphous, and crystal polymorph for pharmaceutical drug. Compared with the MiniFlex series in the past (MiniFlex, MiniFlex+, MiniFlexII), **MiniFlex300/600** has increased intensity, improved angle precision, and also able to select more various X-ray optical parts. Therefore, **MiniFlex300/600** has broken through conventional benchtop diffractometers. The **MiniFlex300/600** advanced capability enables a high resolution measurement and is effective for profile analysis such as the Rietveld method, etc. or measurement of organic material where the observed peaks are complicated.

The **MiniFlex300/600** is a space-saving X-ray diffractometer which is compatible with universal power supply (1ϕ, AC100~240V±10%) and is simple to install. It can be installed and used conveniently at a desired location such as at on-site fields or laboratories where the samples are.

The **MiniFlex600** can start a measurement just by connecting it to power supply and water supply, and then turning on the power. For locations without water facilities, a separate external air-cooled water chiller is available as an option.

The **MiniFlex300** has a built-in X-ray tube cooling system, and thus a water facility or an external water chiller is unnecessary.

The **MiniFlex300/600** offers various optional accessories such as high-speed 1D detector, high-speed 2D detector, sample spinner, auto sample changer, detector monochromator, and non-ambient attachments as well as various analysis software for qualitative and quantitative analysis, etc. Thus it can be used at wide range of area, from work sites to various academic and research institutions.



Fig.1 Appearance of **MiniFlex600** benchtop X-ray diffractometer

2. Features

(1) Space-saving, simple installation, easy to move

The power required to operate the **MiniFlex300/600** main unit is wide band single phase AC100 to 240V±10%, and can be used with mains electricity all over the world. Also, being compact and light-weight makes it able to install and move freely around. Furthermore, the **MiniFlex300** has a built-in X-ray tube cooling system, and thus no water facility or an external water chiller is necessary.

(2) Safety design

The **MiniFlex300/600** only uses minimal amount of power required for X-ray generation, and the cabinet is designed to be complete-airtight. Therefore the amounts of X-ray which may leak out are the same as radiations existing in nature. Also, to ensure safety even more, it incorporates an interlock mechanism which the X-ray cannot be irradiated unless the sample chamber door is locked.

(3) High intensity measurement

By mounting the D/teX Ultra2 1D high-speed detector or the HyPix-400 MF 2D high-speed detector with taking the high-speed para-focusing method, the detection intensity can be improved approx. 100 times better than that of the scintillation counter under the equivalent slit conditions. Also, the development of new X-ray generator enabled **MiniFlex600** to realize a high X-ray output of 600W, which is the highest spec in the benchtop XRD industry and is power-saving at the same time, requiring only 1 - 1.0kVA. This is effective for detecting small amount of components and for high resolution measurements which accompanies decrease in intensity.

(4) Hybrid incident slit system

Two types of divergence slit (:DS, fixed and variable) functions as a hybrid incident slit. By opening the incident fixed slit, the variable slit can be used alone, and thus a high sensitivity measurement with the X-ray irradiation width on the sample (approx. 20 mm) kept constant can be run (up to 2θ=approx. 67°). Furthermore, the DS fixed slit same as the high-end system components is available, so that much data compatibility is given when you compare with the other cabinet type equipment data. The DS fixed slit had the weak point that the P/B ratio declines at the low angle where the X-ray beam irradiates to area outside of sample. With the new type which the **MiniFlex300/600** incorporates, the good P/B ratio at low angle area can be maintained.

(5) Enhanced accuracy of diffraction angle (2θ axis)

The goniometer incorporates high-precision mechanical link axis, and by its equal interval control, realized a high reproducibility. By combining this with real-time angle correction and correcting the reproducible mechanical error, the accuracy of diffraction angle (2θ axis) has enhanced considerably.

(6) Various slit optics (optional)

Not only various slit (DS, SS, RS) which are standard for high-spec diffractometer can be replaced and used, but a divergence side (incident) height limiting slit (IHS) can also be inserted into the incident side in the direction that crosses perpendicular with the X-ray irradiation. Furthermore, the incident side and receiving side Soller slit, which limits the umbrella effect, can be selected, and thus various measurement conditions that give priority to intensity and resolution can be set.

Slit configuration

Incident & receiving side Soller slit: 5.0°, 2.5°, or OPEN (For 2D exclusive)

(Selected at the time of order)

Incident fixed slit (DS): 0.625°, 1.25°, none (continuously variable)

Standard

0.1 mm, 1/4° Optional

Incident height limiting slit (IHS): 10 mm (OPEN)

Standard

2 mm, 5 mm Optional

Receiving side Soller slit: 5.0°, 2.5°, 0.5°

Optional

(Available to add other after the time of order)

Anti-scattering slit (SS): 1.25°, 0.625°, 4.2° Optional

Receiving slit (RS): 0.3mm Standard

0.15 mm Optional

Slit for 1D measurement: SS8mm Optional (Included in HyPix or D/teX)

SS6mm, RS6mm Optional

Slit for 2D measurement: 2D Slit Optional (Included in HyPix)

Slit for 0D measurement: SS1.25° Optional (Included in SC-70S)

(7) Scattering protector (Included in HyPix or D/teX)

Scattering protector reduces the rise of background caused by scattering X-rays at low angle area during high-speed para-focusing measurement using the 1D high-speed detector, and to obtain a profile superior in P/B ratio.

(8) Compact detector monochromator (optional)

A detector monochromator dedicated for D/teX Ultra2 and SC-70S, which are

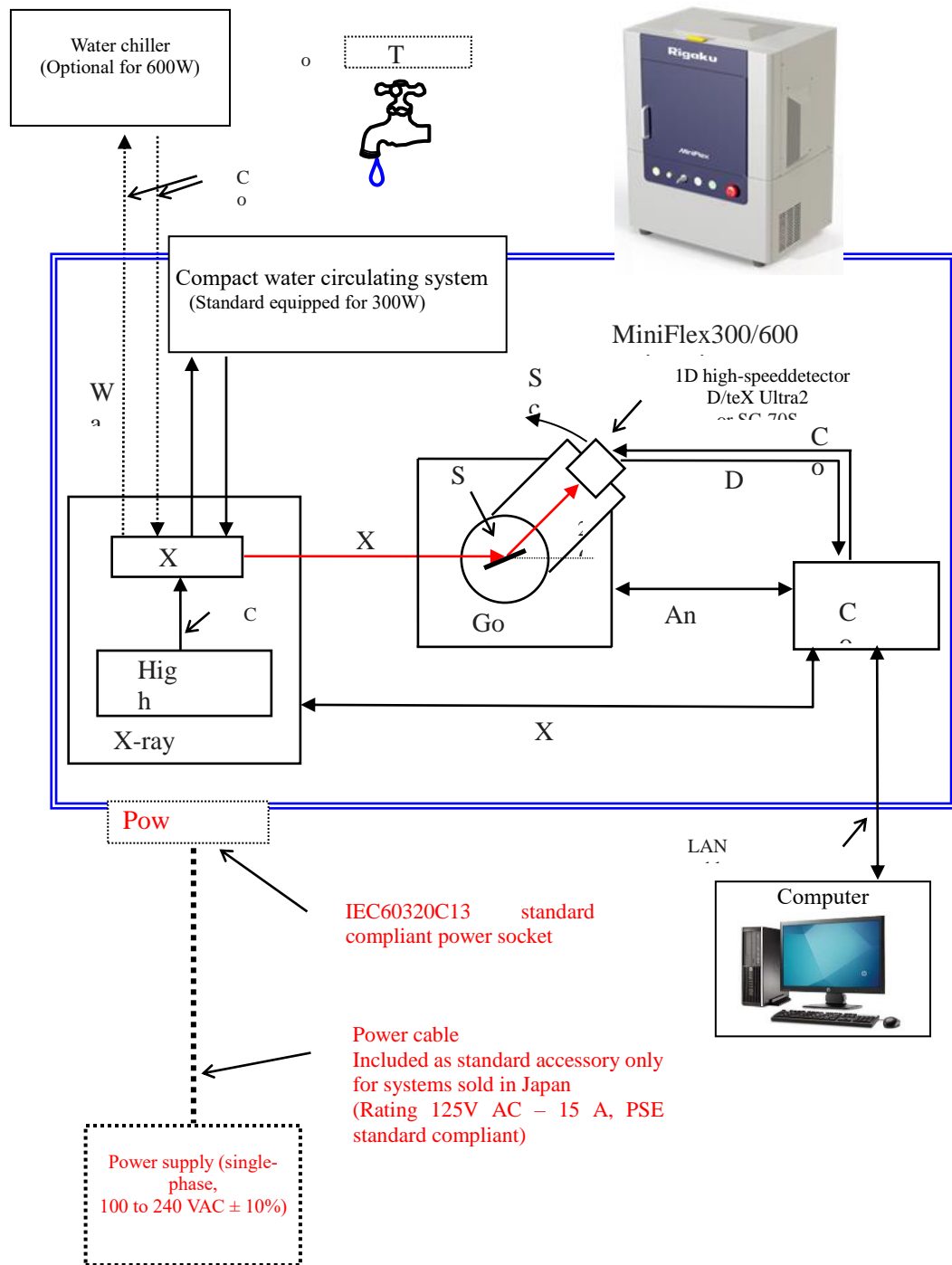
standard-used for high-spec diffractometer, can be mounted. It can remove distracting components such as continuous X-ray and K α or fluorescent X-rays generated from the sample.

(9) Various application software such as qualitative analysis, etc. (optional) Rigaku offers many types of software as well as various application software of the PDXL series .

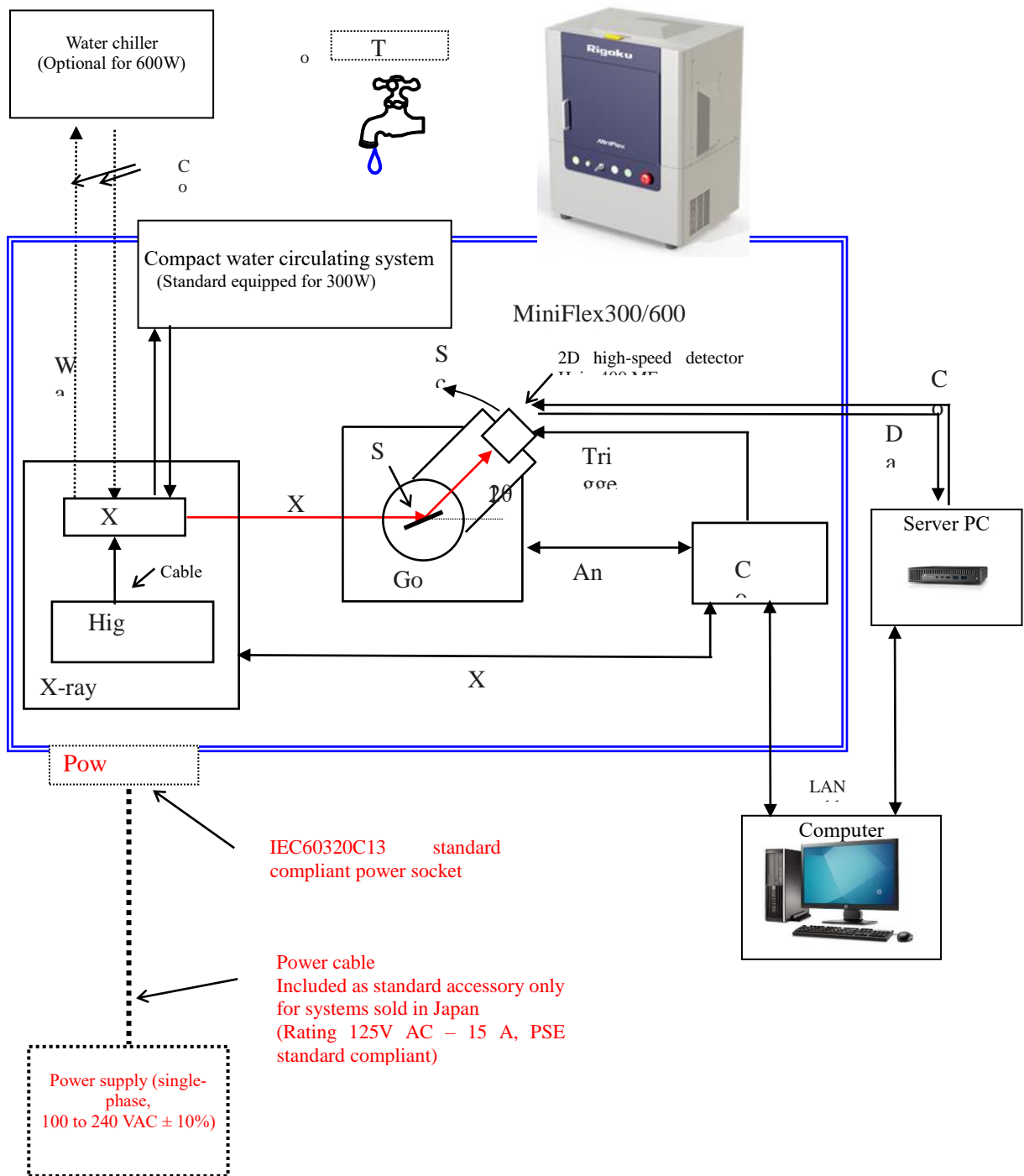
(10) Various colors to select for your main body panel



- MiniFlex300/600 block diagram –
- With D/teX Ultra2 or SC-70S block diagram –



- With HyPix-400 MF block diagram -



3. Configuration

3.1 MiniFlex300/600 Benchtop X-ray Diffractometer main unit

(1) X-Ray Generator	built-in within main unit
(2) Goniometer	same as above
(3) X-Ray Detector and Controller	same as above
(4) Standard sample stage	same as above
(5) Tube cooling system (only for MiniFlex300)	same as above
(6) X-ray tube	x1

3.2 Computer

(1) PC	1 set
--------	-------

3.3 Standard software 1 set

3.4 Instruction Manual 1 set

3.5 Standard Accessories (Included in the accessory box)

(1) Aluminum sample holder	x 5
(2) Glass sample holder (2 types of sample indent depth: 0.2mm or 0.5 mm)	x 2 each
(3) Setting jig	x 1
(4) Rectangular glass plate	x 1
(5) Hex wrench	x 1
(6) Sytrol plastic case	x 1
(7) O-ring P-8 (for X-ray generator)	x 2
(8) Si powder standard reference material	x 1 (0.5g in weighing paper)
(9) Water cooling connection part	x 1 (only for MiniFlex600)
(10) Power cable 3 m	x 1 (only for system sold in Japan)

NOTE: Rating 125 V AC – 15 A, PSE standard compliant
For using the system outside of Japan, prepare a power cable separately.
The inlet side of the system is IEC60320C13 international standard compliant socket.

(For details, refer to the Utilities document)

3.6 Optional Software	
3.7 Air-cooled water chiller M00015376)	(for MiniFlex600, Item No.
3.8 Sample spinner 2701C332)	(Item No.
3.9 ASC-8 (Automatic 8-position sample changer) A00007458)	(Item No.
3.10 ASC-6 (Automatic 6-position sample changer) 2455E434)	(Item No.
3.11 D/tex Ultra2 (1D detector) A00007469)	(Item No.
3.12 Detector monochromator (D/teX 0D) A00007460)	(Item No.
3.13 HyPix-400 MF (2D detector) A00007471)	(Item No.
3.14 Scintillation Counter SC-70S A00007818)	(Item No.
3.15 Air-sensitive sample holder 2392B101)	(Item No.
3.16 Si-Low Background Sample Holder M00016288)	(Item No.
3.17 Hot Plate (mid-temperature sample attachment) A00002079)	(Item No.
3.18 BTS 150 (Anton Paar mid-temperature sample attachment) A00005532)	(Item No.
3.19 BTS 500 (Anton Paar mid-temperature sample attachment) A00005533)	(Item No.

4. Specifications

4.1 Mini Flex300/600 benchtop X-ray diffractometer main unit

4.1.1 X-ray generator

- (1) Max. continuous rated output: 600 W
(MiniFlex600)
300 W
(MiniFlex300)
- (2) Rated tube voltage: 20- 40 kV /1 kV step variable
(MiniFlex600)
20- 30 kV /1 kV step variable
(MiniFlex300)
- (3) Rated tube current: 2- 15 mA /1mA step variable
(MiniFlex600)
2 - 10 mA /1mA step variable
(MiniFlex300)
- (4) High-voltage generation method: High frequency inverter method
- (5) Stability (tube voltage, tube current): ± 0.01 % or less (against ± 10 % mains fluctuation)
- (6) Focal point adjustment: ± 1 mm, continuously variable
(X-ray tube mounting area overall)
- (7) X-ray shutter: Rotary shutter
- (8) Safety features: Detects tube voltage, tube current, load, flow rate, and other statuses, and when abnormal status is detected, shuts off X-ray generation and alerts by lamp and alarm.
Displays X-ray generation and shutter open/close status by LED.
Shuts off X-ray generation when the LED is disconnected or short-circuited
EMO switch.

4.1.2 Goniometer

- (1) Type: Vertical goniometer
- (2) Scanning axis: $\theta/2\theta$ coupled (mechanical linked axis)
- (3) Scanning method: Equal interval pulse (step) motor controlled
- (4) Maximum scanning speed: $500^\circ/\text{min}$ (converted to 2θ)
- (5) Scanning speed: 0.01 to $100^\circ/\text{min}$ (converted to 2θ)
- (6) Minimum step width: 0.005° (converted to 2θ)

- (7) Range of movement: -3 ~ +145° (converted to 2θ)
 (8) Goniometer radius: 150 mm
 (9) Incident side & receiving side Soller slit: 5.0°, 2.5°, or OPEN (Selected at the time of order)
 (10) Incident fixed slit (DS): 0.625°, 1.25°, none/continuous variable mode
 *Continuous variable mode: the X-ray irradiation width is kept constant at approx. 20 mm in use below approx. 67° (2θ)
 0.1 mm, 1/4°

(optional)

- (11) Incident height limiting slit (IHS): 10 mm (standard)
 2 mm, 5 mm (optional)

- (12) Receiving side Soller slit: 5.0°, 2.5°, 0.5°, or OPEN (optional)

*Available to add other after the time of order

- (13) Anti-scattering slit (SS): 8 mm(D/teX, HyPix), 1.25°(SC-70S) (standard)

0.625°, 1.25°, 8 mm, 4.2° (optional)

- (14) Receiving slit (RS): 0.3 mm (standard)

0.15 mm (optional)

- (15) K□□filter: Ni filter 1 D measurement for Cu tube

(standard for

D/teX or HyPix)

The thickness (23μm) makes the K□:K□□ approx. □□□□□□

□□□□□

Standard

thickness(15μm) Ni filter for Cu tube

(standard for SC-

70S)

The thickness (15μm) makes the K□:K□□ approx. □□□□□□

2 times thicker Ni filter(30μm) for Cu tube

(optional)

For Co tube, for Fe Tube, for Cr Tube

(optional)

4.1.3 Standard Sample Stage

- (1) Standard sample holder size: outer diameter: square type 35 mm × 50

mm	indent:	square type 20 mm × 20
mm	depth:	aluminum sample holder
1.6 mm		glass sample holder 0.2 mm, 0.5
mm		
(2) Standard included sample holder:	aluminum sample holder	x 5
	glass sample holder 0.2 mm	x 2
	glass sample holder 0.5 mm	x 2

4.1.4 X-ray tube cooling system (only for MiniFlex300)

(1) Cooling system:	main unit built-in water chiller
(2) Circulating water:	purified water
(3) Cooling capability:	300 W
(4) Heat exhaustion system:	forced heat exhaustion by ventilation fin and fan on rear side of main unit

4.1.5 X-ray tube

(1) Target:	Cu Co, Fe, Cr (optional)
(2) Actual focus size:	select either normal focus (N.F.) tube 1.0 × 10 mm or fine focus (F.F.) tube 0.4 × 8 mm

4.2 Computer

(1) PC:	Intel Core i3 or more Windows 10 Pro 64 bit (Japanese or English version) Main memory 2GB or more Hard disk 100 GB or more free space DVD/CD-ROM drive
(2) Display: or	17inch-TFT equivalent (1280×1024 resolution higher)
	* Note PC needs inquiry. PC install space is prepared by customers.

4.3 Standard software

(1) Mini Flex Guidance for system control:	system environment setting, real-time
--	---------------------------------------

angle correction, measurement

(2) Analysis software: Integrated X-ray Powder Diffraction Software
PDXL Basic

- Automatic peak search (including multiple peak separation)
When measurement data is loaded, PDXL automatically performs a peak search and profile fitting procedure to calculate the peak parameter.
- Standard Data Processing
The user can set data processing conditions and execute processes all at one time or individually. The following conditions and functions are included in PDXL Basic: smoothing, background subtraction, $K\alpha_2$ elimination, variable slit correction, absorption, asymmetric corrections, LP correction, peak search and profile fitting.
- Report generating
The user can output analysis result as a Microsoft Word file. The content of the output data can be customized. (Microsoft Word is required separately)
- Saving and loading project files
The analysis results and analysis conditions are able to be saved as project in files. Saved status can be reproduced by loading saved projects.

4.4 Optional Software

4.4.1 PDXL Qualitative Analysis

(1) Automatic Identification (hybrid search & match)

Performs phase identification using the hybrid search/match engine and ICDD PDF2 or PDF4+ database.

Able to refine search results by the sub-files of PDF and element filter.

Able to identify samples with strong preferred orientation, solid solution, and minor compositions. The software takes account of the preferred orientation automatically.

Material from applicable data with small FOM values (which shows match rate) are added automatically to the candidate list, and the results can be automatically determined

(2) RIR method (quantitative analysis)

When the value of RIR (Reference Intensity Ratio) is given in ICDD-PDF, etc., the weight ratio can be calculated by the integral intensity of maximum peak.

4.4.2 PDXL Quantitative Analysis

(1) External standard method

User loads sample measurement data and the reference for calibration, and

identifies the phase in question. Once the weight ratio of the phase contained in the reference is established, PDXL creates a calibration curve and determines the quantity of the phase in the sample.

(2) Internal standard method

Load measurement data, and identify the peaks of the internal reference phase and the phase in question. Once the weight ratio of the reference phase in the sample is established, PDXL creates a calibration curve and determines the quantity of the phase in question.

(3) Standard addition method

Load measurement data of sample which is added with a known amount of examined component. After identifying the examined component, set the amount of examined component added to each data set. The calibration graph is drawn and the quantitative value of the examined component (without any amount added) is generated.

4.4.3 PDXL Comprehensive

(1) Crystallite size and lattice strain analysis

Analyzes crystallite size and lattice strain by the Williamson-Hall method. Corrects width by using the pattern of an external reference standard sample or an internal standard sample.

(2) Lattice constant refinement

Corrects angle by performing angle correction using the pattern of an external reference standard sample or an internal standard sample. The refined lattice constants of multiple data sets can be plotted on a single graph so that the user can visualize the variation in the constants from data set to data set.

(3) Crystallinity analysis

Analyzes crystallinity by the peak deconvolution method. Obtained crystallinity values of multiple data sets can be plotted on a single graph for easy visual comparison between the data sets.

4.4.4 PDXL Rietveld analysis

(1) Rietveld quantitative analysis

Loads the crystal structure parameter, perform WPPF, and quantitatively analyze the substance. Able to set whether to refine each parameter group (lattice constant, peak profile, preferred orientation, crystal structure) or not as a group, and also is able to set whether to refine each individual parameter or not.

(2) Crystal structure refinement

(3) Extracting integrated intensity by WPPD

Extract independent reflection intensity by whole powder pattern decomposition method (only lattice constant is required as default information, structure

information is not required).

4.4.5 Quantitative analysis for environmental dust

Free silicic acid quantitative analysis is available by base standard diffraction method.

*Base sample holder is separately required.

4.5 Air-cooled water chiller (for MiniFlex600)

- | | |
|---|--|
| (1) Type: | air-cooled circulation type |
| (2) Cooling capability: | 1000 W (room temp. 20°C) |
| (3) Guaranteed operating temperature range: | 10 to 30°C (Ambient temperature) |
| (4) Circulation water quantity: | 4.0 liters/min (0.25 MPa or more) |
| (5) Required power: | Single phase,
AC100V±10%, 50/60Hz±1%,
1.3kVA |
| (6) External dimension (mm): | 460W-510D-570H |
| (7) Weight: | approx. 50 kg |

4.6 Sample spinner MF

When the sample grains are large, by performing sample-in-plane rotation while measuring the sample, the adverse effect can be mitigated and the reproducibility of the diffracted X-ray intensity can be improved. This attachment is especially effective for quantitative analysis.

- | | |
|-------------------------|---|
| (1) Driver: | Pulse motor drive |
| (2) Sample spin speed: | 10~80 rpm |
| (3) Sample holder size: | indent 24 mm□□× 2.0 mm
(with base, 3 holders included as standard) |

Other various optional sample holders are also available.

4.7 ASC-8 (Automatic 8-position sample changer)

The automatic sample changer includes a sample spin function. This enables averaging the crystal component within the sample and improving the reproducibility of measurement profile. This is effective for automatic continuous operation, especially for 1D high-speed para-focusing method measurement. Also, various type of sample holders are available such as through-hole type, with base type with various depth, sample holder with glass for small sample amount, Si low-background type, etc.

- | | |
|--------------------------------|--|
| (1) Driver: | Pulse motor drive |
| (2) Number of sample position: | 8 positions |
| (3) Sample spin speed: | 10~80 rpm |
| (4) Sample holder size: | indent 24 mm□□□× 2.0 mm
(with base, 8 holders included as standard) |

Other various optional sample holders are also available.

Unavailable to use Domed atmosphere separator.

4.8 ASC-6 (Automatic 6-position sample changer)

The automatic sample changer includes a sample spin function. This enables averaging the crystal component within the sample and improving the reproducibility of measurement profile. This is effective for automatic continuous operation, especially for 1D high-speed para-focusing method measurement. Also, various type of sample holders are available such as through-hole type, with base type with various depth, sample holder with glass for small sample amount, Si low-background type, etc.

- | | |
|--------------------------------|--|
| (1) Driver: | Pulse motor drive |
| (2) Number of sample position: | 6 positions |
| (3) Sample spin speed: | 10~80 rpm |
| (4) Sample holder size: | indent 24 mm□□□× 2.0 mm
(with base, 6 holders included as standard) |

Other various optional sample holders are also available.

Available to use Domed atmosphere separator.

(max 3 positions)

4.9 1D detector D/teX Ultra2

Due to the high-speed para-focusing method, the detection intensity can be improved approx. 100 times higher than that of the scintillation counter under the equivalent silt conditions. Also, due to the excellent energy resolution, a profile with superior P/B ratio can be obtained even for measurement of Fe type sample by a Cu tube. Additionally, with the included scattering protector, the rise of background due to scattering X-rays at low angle area during high-speed para-focusing measurement is reduced, and a profile superior in P/B ratio can be obtained. Furthermore, the measurement blind issue at high angle area can be resolved.

- (1) Type: Direct detecting semi-conductor element strip-type detector
- (2) Detection element: 256 mm² (12.8 mm × 20 mm)
- (3) Counting efficiency: 99% and more (CuKα)
- (4) Discriminator adjustment: Able to set arbitrary energy load range by baseline and window width setting
- (5) Scattering protector: automatically link with counter arm
- (6) Direct beam absorber: protecting the D/teX Ultra2 from the direct beam
- (7) Accessories: Direct beam absorber
Scattering protector
SS8mm
1.5 times thickness(23μm) receiving K□□Ni filter
- (8) Slit set HIGH for high resolution measurement: DS=0.10 mm, x1
(optional) IHS=2 mm, 5 mm x1 each
each SS=6 mm, RS=6 mm, x1
- This is an optional accessory for executing high resolution measurement at area of more than approx. 2□=10°
It is recommended to combine the F.F. tube with 2.5° Soller slit.
- (9) Slit set LOW for high resolution measurement: DS=0.10 mm, x1
(optional) IHS=2 mm, 5 mm x1 each
each SS=6 mm, RS=6 mm, x1
- Receiving side Soller slit 0.5° x1
*This is an optional accessory for executing high resolution measurement at area including those below 2□=10°
It is recommended to combine the F.F. tube with 2.5° Soller slit.

4.10 Detector monochromator (D/teX Ultra2 0D measurement, SC-70S dedicated for CuK α)

The receiving graphite monochromator dedicated for CuK α is to be combined with the D/teX Ultra2 or SC-70S. It can remove distracting components such as continuous X-ray and K α X-ray generated by the X-ray tube or fluorescent X-rays generated from the sample.

- | | |
|------------------------------|-----------------------------------|
| (1) Type: | Receiving Monochromator |
| (2) Crystal: | Graphite |
| (3) Compatible detector: | D/teX Ultra2, SC-70S |
| (4) Applicable measurements: | 0D measurement |
| (5) Applicable wave length: | CuK α |
| (6) Accessories: | SS1.25°
Al absorber 0.2 mm x 3 |

4.11 2D detector HyPix-400 MF

Due to the high-speed para-focusing method, the detection intensity can be improved approx. 100 times higher than that of the scintillation counter under the equivalent silt conditions. Also, due to the excellent energy resolution, a profile with superior P/B ratio can be obtained even for measurement of Fe type sample by a Cu tube. Additionally, with the included scattering protector, the rise of background due to scattering X-rays at low angle area during high-speed para-focusing measurement is reduced, and a profile superior in P/B ratio can be obtained. With utilizing included incident K α filter, 2D slit, and Receiving Soller Box Open, 2D measuring is easily available.

- | | |
|--------------------------|--|
| (1) Type: | Direct photon counting detector |
| (2) Pixel size: | 100 × 100 μ m |
| (3) Pixels: | 385 x 96 = 36,960 (Bad Pixel 0.1% or less) |
| (4) Detection area: | 38.5 × 9.6 = 369.6 mm ² |
| (5) Counting linearity: | 1,000,000 cps/pixel and more,
Total 3.7 x 10 ¹⁰ or more |
| (6) Counting efficiency: | 99%, Energy resolution 25% or less
(at CuK α)
*Source target rather than Cu needs inquiry. |
| (7) Accessories: | Compact size server PC
Standard thickness(15 μ m) incident K α filter
2D Slit (1 mm) |

- Receiving Soller Box Open
- Direct beam absorber
Scattering protector
SS8mm
1.5 times thickness(23 μ m) receiving
K $\square\square$ Ni filter
1.5 times thickness(23 μ m) incident
K $\square\square$ Ni filter
2D Slit ASC(1mm), 2D Slit low angle
(0.5 mm)
Receiving Soller Box Open
- (8) Optional items:

4.12 Scintillation Counter SC-70S

- (1) Scintillator: NaI (TI)
(2) effective window diameter: \square 23 mm
(3) Accessories: Cu absorber 0.2 mm x 2
SS1.25°
Standard thickness(15 μ m) receiving
K $\square\square$ Ni filter

4.13 Air-sensitive sample holder

The air-sensitive sample holder is used to prepare the sample and perform measurement while maintaining an inert gas and dry gas environment within a glove box for samples to be kept away from atmosphere and humidity.

- (1) Air tightening container main unit: made by SUS
(2) Container size: W36.0×D53.2×H26.0 mm
(3) X-ray window: Kapton (25 \square m), glued on air tightening container
(4) Material and dimensions of sample filling part: Made by SUS, $\square\square$ 18×0.5 mm

The gas pressure is fixed to atmosphere. Be careful of slow leakage, reducing or adding pressure and gas flow cannot be done.

A glove box needs to be provided by customers.

4.14 Si-Low Background Sample Holder

The Si-Low Background Sample Holder is an optional sample holder for powder diffractometer which enables low-background measurement based on symmetrical reflection method by cutting out Si single crystal for semiconductors in a special direction. The sample can be placed on the front side or rear side of the sample holder, depending on the purpose of measurement. The sample filling part on the front side is approx. $20 \times 18 \times 0.2$ mm and is suitable for a sample available in a relatively large amount, while the rear side is approx. 5×0.1 mm and is used for a sample in a limited quantity.

- | | |
|------------------------------------|---|
| (1) Material: | single-crystal silicon for semiconductors
cut out in $[510] \pm 0.1^\circ$ |
| (2) External dimensions: | W35.0×D50.0×H2.0mm |
| (3) Sample filling part: | W20.0×D18.0×T0.2mm (front side)
5×0.1 mm (rear side) |
| (4) Quantity: | 2 holders |
| (5) Compatible X-ray tube: | Cu, Co, Fe, Cr |
| (6) Compatible measurement method: | D/teX Ultra2 + detector monochromator
High-speed para-focusing method using 1D
high-speed detector. |

4.15 Hot plate (Mid-temperature sample attachment)

Hot plate is mainly used in temperature variable and atmosphere variable (air and inactive gas) measurements under mid-temperature range. For the temperature control, a dedicated temperature controller (standard component) is operated by manual. This controller cannot be controlled by any programs or computers.

4.15.1 Configuration

- | | |
|---------------------------------------|-------|
| (1) Hot plate main unit: | x1 |
| (2) Dedicated temperature controller: | x1 |
| (3) Standard accessory | 1 set |

4.15.2 Main specification

- | | |
|--|--|
| (1) Temperature range of heating plate surface*: | Room temperature to 220°C |
| | *Sample temperature may be lower than the temperature of heating plate surface depending on the material, thickness, and thermal conductivity of the sample. |
| (2) Heating speed: | 20°C /min. fixed (cooling speed: natural cooling) |
| (3) Measurement atmosphere: | Air, inert gas (nitrogen)* |
| (4) 2θ measurement range: | 2 to 145°(2θ/θ) |
| | *Nitrogen gas cylinder, gas tube, etc. are not included within the hot plate package. |

4.15.3 Main unit

- | | |
|---|---|
| (1) X-ray window: | Kapton (attached to window of heat insulating cover) |
| (2) Thermocouple: | φ50-μm K thermocouple |
| (3) Variation in sample surface height due to thermal expansion of heating plate: | Less than 30 μm |
| (4) Heater: | Mica heater |
| (5) Cooling type: | Air-cooled fans |
| (6) Gas connection: | PL4-M5 (OD of tube: 4 mm, ID: 2.5 mm) |
| (7) Knife edge: | Attachable/detachable fixed knife edge (height: 3 mm) |

4.15.4 Temperature controller

- (1) Overshoot of target temperature during heating:
Less than 2°C
- (2) Stability of holding temperature: within $\pm 1.5^{\circ}\text{C}$
- (3) Input temperature step: 1°C/step
- (4) Power supply and consumption: AC100 to 240V, 150VA or less
- (5) Dimension and weight: 110 × 305 × 170 mm (W × D × H), 4.5 kg

4.15.5 Standard accessory

- (1) Sample holder:
 - Quantity: 2 holders
 - Material: Cu
 - Outer diameter: 24 × 30 × 2 mm (W × D × H),
 - Indent size: 20 × 20 × 0.5 mm

4.16 BTS 150/500 (AntonPaar Mid-temperature sample attachment)

The BTS 150/500 Benchtop Heating Stages are the non-ambient stage for benchtop X-ray diffractometers. MiniFlex equips The BTS 150/ or 500 on the standard sample stage to use. Furthermore, the atmospheres are changeable (air, inert gas*, and vacuum*) while measuring. The BTS 150/500 employ the method of sample mounting on the heater face to control the sample temperature. The BTS 150/500 can control the heater face temperature through the control programs of MiniFlex.

* Inert gas needs atmosphere exchange unit (need an inquiry by additional special order.)

* Vacuum (until 10^{-1} mbar) needs BTS vacuum unit (need additional order.)

4.16.1 Configuration

- | | |
|-----------------------------|-------------------------------------|
| (1) BTS 150/500 main unit: | x1 |
| (2) Temperature controller: | x1 (BTS 150/500 main unit built in) |
| (3) Standard accessory | 1 set |

4.16.2 Main specification

- (1) Temperature range of heating plate surface*¹:

BTS 150:

(Ambient or cooling water temperature -35°C) *² to 150°C

BTS

500:

Room temperature to 500°C

*¹ Sample temperature may be lower than the temperature of heating plate surface depending on the material, thickness, and thermal conductivity of the sample.

*² Be aware of measures against the condensation with BTS150 during cooling. The lowest temperature for BTS 150 varies depending on the using environment. i.e.: when ambient temperature is 25°C , the lowest temperature is $-10^{\circ}\text{C}\sim 150^{\circ}\text{C}$.

- | | |
|----------------------------------|--|
| (2) Heating speed: | Max. $100^{\circ}\text{C}/\text{min}$. |
| (3) Measurement atmosphere: | Air, inert gas(N_2) max 1 bar, and Vacuum (10^{-1} mbar) |
| (4) 2θ measurement range: | 2 to $145^{\circ}(2\theta/\theta)$ (in TDI measurement, to 140°) |

4.16.3 Main unit

- (1) X-ray window: Kapton (50 μm)
- (2) Thermocouple: Pt100
- (3) Variation in sample surface height due to thermal expansion of heating plate:
Less than 30 μm
- (4) Heater: BTS 150: Peltier heater
BTS 500: Resistance heater
- (5) Cooling type: Air-cooled fans
- (6) Gas connection: Outer Diameter of tube: 4 mm, Inner Diameter:
2 mm
- (7) Knife edge: Attachable/detachable
(Variable range: 0.5~5.0 mm from sample surface, default 4 mm)
- (8) Chamber size: Diameter 80mm
- (9) Weigh: approx. 1 kg

4.16.4 Standard accessory

- (1) Sample holder: Material: Ni
Outer diameter: 18 \times 16 \times 3 mm (W
 \times D \times H),
Indent size: 16 \times 14 \times 0.8 mm (W \times D \times
H)
- (2) Power cable: Included in only the package for inside Japan.
- (3) Kapton material for window: x 5 (Reserved)
- (4) Stand: x 1 set
- (5) Tools: x 1 set
- (6) Gas hose: 10m (Outer Diameter 4mm, Inner Diameter
2mm,
to integrate into MiniFlex)
- (7) Hose transfer adapter: x 1 (Transfer Gas hose into NW16 flange)
- (8) Blind plug: x 2
- (9) USB extension cable: 4m (to integrate into MiniFlex)
- (10) O-ring: x 2 sets (Large x2, and Small x2)
- (11) Vacuum grease: 20 g
- (12) Instruction manual of BTS 150/500 for MiniFlex 300/600: x 1 set (Rigaku
issued)
- (13) Instruction manual of BTS 150/500: x 1 set (AntonPaar issued (English))

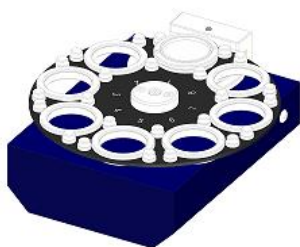
Appearance of optional attachments -

Sample spinner (Item No. 2701C332)



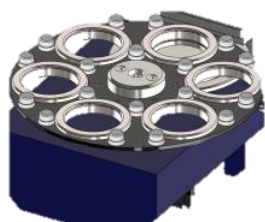
Sample holder
with base

ASC-8 (Automatic 8-position sample changer) (Item No. A00007458)



Sample holder
with base

ASC-6 (Automatic 6-position sample changer) (Item No. 2455E434)



Sample holder
with base

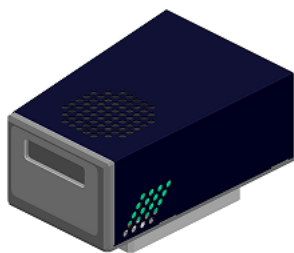
1D detector D/teX Ultra2 (Item No. A00007469)



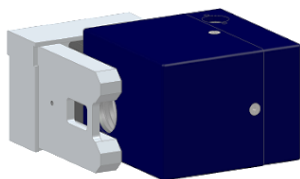
Detector monochromator (D/teX 0D) (Item No. A00007460)



2D detector HyPix-400 MF (Item No. A00007471)



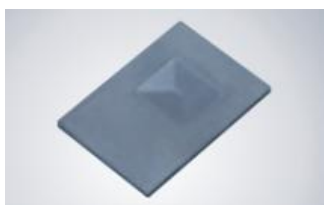
Scintillation Counter SC-70S (Item No. A00007818)



Air-sensitive sample holder (Item No. 2392B101)



Si-low background sample holder (Item No. M00016288)



Hot plate (Item No. A00002079)



BTS 150 (AntonPaar Item No. A00005532)



BTS 500 (AntonPaar Item No. A00005533)



5. Installation conditions

Refer to the “Utilities” document.

6. Acceptance test

Refer to the “customer acceptance test report” document.

7. Warranty

Warranty does not cover damages or defects caused by:

- (1) *Acts of God*
- (2) Improper application
- (3) Tampering, alterations
- (4) Installation contrary to this specification's recommendation, or in any event if the instrument has been altered, defaced, or removed
- (5) Misuse, negligence, inappropriate on-site operating conditions
- (6) Consumption wasting and reaching the end of their working life

After the warranty period expires, products and parts may be repaired and replaced for a reasonable service charge. The following secondary damage: a delay of research and development, receiving inspection, acceptance testing etc. caused by instrument failure, is not covered by warranty.

8. Liabilities

(1) Rigaku shall not be liable for any accidents whatsoever arising out of the following:

- * Use of the product for unintended purposes
- * Expiry of service life
- * Modification without permission
- * Poor maintenance by the user
- * Act of God, war, riot, or conflict
- * Operation not specified in this manual
- * Installation condition violation
- * Expendables

(2) In no event shall Rigaku be liable for the results and consequences of the use of this manual by the user or operator of this product.

ICP-MS Technical Specifications	
Peristaltic pump	10-roller, 3 channels
Nebulize	Micro Mist (borosilicate glass)
Spray chamber	Scott-type double-pass (quartz) Controlled temperature range: -5 °C to +20

Ultra High Matrix Introduction (UHMI) system	°C Included
Plasma	
RF generator	Solid state digital drive 27 MHz Variable-frequency impedance matching 500 W to 1600 W
Torch	One-piece (quartz) 2.5 mm id injector Shield Torch system
Torch position	Horizontal and vertical position: ± 2 mm, in 0.1 mm steps Sampling depth: 3 to 28 mm, in 0.1 mm steps
Mass flow controllers (Ar)	4: Plasma, Aux., Carrier, Make up/Dilution
5th gas line for alternative carrier gas	Optional
Interface	
Sampling cone	1 mm diameter orifice Standard: Ni-tipped with Cu base Optional: Pt-tipped with Cu base
Skimmer cone	0.4 mm diameter orifice Standard: Ni Optional: Pt-tipped with Cu base
Ion lens	
Lens system	Extraction lens Off-axis Omega lens
Octo pole Reaction System (ORS)	He (collision) cell gas line
Mass analyzer	
Quadrupole	Frequency: 3 MHz Hyperbolic rod profile
Mass range	2–260 u
Mass resolution	Variable from 0.3 u to 1.0 u
Typical mass stability	≤ 0.05 u per day ≤ 0.1 u per 6 months
Abundance sensitivity (at Cs)	Low mass side: $\leq 5 \times 10^{-7}$ High mass side: $\leq 1 \times 10^{-7}$
Detector	
Configuration	Orthogonal Detector System (ODS)
Detector	Dual-mode discrete dynode electron multiplier
Dynamic range	10 orders (0.3 cps to 4 Gcps)
Minimum integration time	100 μ s
Minimum dwell time (TRA mode)	3 ms (standard), 0.1 ms (optional)
Vacuum system	
Configuration	Three-stage differential vacuum system

Vacuum pump	Single split-flow turbo molecular pump Single external rotary pump
Vacuum pump hose length	3 m
Software	Suitable ICP-MS Workstation software, User access control software
Accessories and peripherals	
Auto samplers	User programmable in X, Z, and Theta (rotational) dimensions. Optimized sample-to-sample probe movement time for corner-to-corner travel in less than 3 seconds
Probe arm speed:	Axis Minimum Speed Maximum speed X (mm/sec) 14.5 1016 Z (mm/sec) 8.6 518 Theta (degrees/sec) 9 540
Rinse port flow rate:	Programmable, up to 50 mL/min depending on pump tube diameter.
Communication:	USB 2.0 (full speed) virtual com port with plug-and-play capability
Power requirements:	100–240 VAC, 47–63 Hz, 1.5 A
Built-in diagnostics:	Four LEDs on the front panel that indicate the operational or error status of the instrument.
Sample introduction	Integrated Sample Introduction System 3 PFA Inert Sample Introduction Kit Organic Solvent Introduction Kit Humidifier
Speciation kits	LC-ICP-MS Speciation Kits Arsenic Speciation Kit Chromium Speciation Kit Capillary LC Interface Kit
Peripherals	Water recirculate Water chiller hood Quiet cover for rotary pump
Warranty	1 year
Installation, and training	Training in the use of the equipment to be provided

Handheld XRF Specifications

X-Ray Source	X-Ray Tube: Ag anode (6-50kV, 0-500uA, 5W max) Filter: Six (6) position filter wheel for enhanced spectral range coverage Current: Dynamically adjustable current for optimal sensitivity on every analysis
Detector	High count rate, high resolution, extra-large area silicon drift detector (1µm graphene window) Detector Pro Guard protection included
Spot Size	Standard: 8mm collimation Optional: 3mm small-spot collimation

Analytical Range	Mg-U (ultra low light element detection), Na (spectrum based detection)
Calibration Modes	Precious Metals, Mining, Soils,
System Check	Built-in standardization and health check verifies system integrity and operating conditions
IP Rating	IP54 (splash and dust proof)
Operating Environment	Temperature: 0°C to 50°C (external fan recommended when ambient temperature is greater than 33°C) Humidity: 10% to 90% relative humidity non-condensing
Power	12V lithium-ion battery, or 12V DC, 3A, 3.6W power supply Hot swap functionality keeps analyzer powered during battery replacements
Display	Tilting, color, resistive touchscreen display
Macro Camera	Integrated CCD macro camera for capturing overview images of parts and tagging measurement locations
Micro Camera	Integrated CCD micro camera for locating and recording measurement positions
Global Positioning System	Internal GPS and optional external GPS (via Bluetooth) GPS data included with sample information
Bluetooth	Supports print functionality, external GPS connectivity and barcode reader
Memory / Data Storage	512 MB internal system memory / 16 GB industrial grade storage Stores approximately 130,000 readings with spectra (fewer if macro and micro images are saved)
Data Entry	Touchscreen keyboard User customizable data entry
Data Transfer	Wi-Fi, USB-c
Operating System	Linux
Support Software	Suitable PC software
Security	Password-protected user security
Languages	English,
Compliance	Compliance CE, RoHS, FCC, Industry Canada, Safety to IEC 61010-1:2010
Standard Accessories	<ul style="list-style-type: none"> • Locking shielded carrying case • Two (2) lithium-ion battery packs • One (1) 110/220 VAC battery charger/ AC adaptor • Check samples • Safety lanyard • PC connection cable (USB) • portable test stand

Installation	Installation and user training of 10 personnel on how to use the equipment about ten a samples to be analyzed
Weight	1.2-1.4kg with battery
Dimensions	(242.56 x 208.17 x 67.90 mm)
warranty	2 years
Brochures	Attach brochures indicating all the product specifications

GROUND PENETRATION RADAR SPECIFICATIONS

Unit(GPR)	
Dynamic range	192 dB (32 bit)
Transmitter output	40 V
Time range	0-1,600 ns
Maximum depth range	120 m (RDP=4)
Sampling interval	3,125 ns (320 MHz)
PRF-rate	156 kHz
Stacking	32,000 stacks/s, 45 dB increased S/N-ratio
Power Integrated	11.1 V/ 6.6 Ah, 73 Wh Li-Ion battery
Charger Mascot	2241 3-cell Li-Ion
Operating time	16 hours continuous use
Mechanical	Size: 190 x 140 x 80 mm (L x W x H) Weight: 1 kg (including battery)
CONTROL UNIT / CU	
Ultra Rugged PDA	Mesa Geo Notepad
Processor	806 MHz PXA320
Operating system	Windows Embedded Handheld 6.5 Pro
Memory and data Storage	256 MB RAM, 4 GB Flash
Display	5.7" High visibility backlit VGA LCD, (640x480 px resolution)
Keyboard	15 control buttons, 5 way navpad
Ports	RS-232, USBx2, 12 V DC, audio jack
Mechanical	Size: 136 x 220 x 51 mm (L x W x H) Weight: 1 kg (including two batteries)

Environmental	IP67 water-and dustproof, operating temperature: -20°C to 50°C,
Power	Smart Li-Ion batteries, 38 Wh
Wireless connection	GSM/GPRS/EDGE, data communication interface, SMS
Camera	3.2 MP resolution with autofocus, geotagging
GPS	Integrated real-time SBAS with 2-5 m typical accuracy
BW (10 dB), Bandwidth (MHz)	20-140 (120 MHz)
Center frequency @$\xi_r=9$(MHz)	80
BW/CF-ratio (%)	150
Vertical resolution@$\xi_r=9(\lambda/4)$	31 cm
Horizontal resolution @depth=λ	88 cm
Size (L x W x H)	139 x 15 x 21 cm
Weight (kg)	3.7
ACCESSORIES Foldable Cart Rugged terrain kit: Rugged Transport Case	<p>specially constructed for dual GPR systems/ antennas above when used in groundbased surveys.</p> <p>Rugged PC/CU fits to Cart with the included tactical cradle and adjustable RAM clam</p> <p>SACCI Hook PC-carrying Harness sled, handle, SW-encoder</p> <p>Tactical cradle and adjustable RAM clamp. carrying Harness, the handle and tactical cradle with RAM-clam for all items above/per antenna</p>
warranty	1 year
Installation and training at the customers site	Manufacturers engineer to train the use of the equipment for 3 days

S/NO	Item Description	SPECIFICATIONS
278	Vibrometers	<p>General Channels Four, three seismic channels and one acoustic channel standard. Support for other sensor types is available.</p> <p>Seismic Range Standard 260 mm/s (10.24 in/s). Other ranges may be customized at the factory. Resolution 0.008 mm/s (0.0003 in/s) depending on the range. Frequency Range (ISEE) 2 to 250 Hz at 1024 sample rate as per ISEE Seismograph Performance Specifications for Blasting Seismographs 2017 Edition. The upper frequency limit is 1/4 the sample rate. Frequency Range (DIN) From 1 to 315 Hz. Accuracy (ISEE) Conforms with ISEE Performance Specifications for Blasting Seismographs 2017 Edition. Accuracy (DIN) DIN 45669-1 Standard. Transducer Density Approximately 2.01 g/cc (125 lb/ft³)</p> <p>Accelerometers Optional accelerometers allow the transducer to be oriented in any direction without leveling.</p> <p>Acoustic Weighting Linear overpressure or Type 2 A weighting if appropriate hardware is present. Linear Range 512 Pa or 5.12 Mb. Linear Resolution 0.0156 Pa (0.000156 Mb) depending on range. Linear Frequency Range 2 to 250 Hz at 1024 sample rate as per ISEE Seismograph Performance Specifications for Blasting Seismographs 2017 Edition. The upper frequency limit is 1/4 the sample rate. Linear Accuracy Conforms with ISEE Performance Specifications for Blasting Seismographs 2017 Edition. A Weighting Range 50 to 120 dBA. A Weighting Resolution 0.1 dBA. Timer Allows an instrument to be active only during selected times on a daily basis. Communication USB or serial. Serial baud rates from 1200 to 230400. Internal Data Storage Over 500 MB memory. Storage Capacity Up to 2048 waveform and histogram records of any duration. External Data Storage Write to USB thumb drive. System Log The system log tracks on/off times, changes to setup parameters and internal system operation. Operating Modes Waveform, histogram, histogram/waveform and manual.</p>

		<p>Data Reporting The seismograph can automatically report both waveform and histogram events without needing to deactivate the current operating mode.</p> <p>Data Retrieval Data can be downloaded without requiring deactivation of the current operating mode.</p> <p>Waveform Modes</p> <p>Waveform Standard mode used for blast monitoring and discrete transient event monitoring.</p> <p>Manual Trigger from the keypad or an external switch.</p> <p>Simultaneous Triggering Using a combination of manual and triggered modes, multiple units can be connected in serial for simultaneous triggering.</p> <p>Sample Rate 1024, 2048, 4096 or 16384 samples per second per channel (requires latest firmware).</p> <p>Duration 1 to 120 seconds at 1024, 2048 or 4096. 1 to 7 seconds at 16384 (requires latest firmware).</p> <p>Pre-Trigger 1 second at 1024 sample rate. The pre-trigger decreases proportional to the sample rate.</p> <p>Minimum Trigger Level</p> <p>Seismic 0.127 mm/s (0.005 in/s) depending on range.</p> <p>Linear Acoustic 88 dBL depending on range.</p> <p>Downtime Between Events None for sample rates less than 16384.</p> <p>Dynamic Sensor Test A dynamic sensor test is performed at the end of every event in waveform mode. This</p> <p>Web: www.whiteseis.com Email: info@whiteseis.com Phone: 1-417-624-0164 (Specifications Subject to Change)</p> <p>Histogram Modes</p> <p>test will appear in the pre-trigger of continuous events.</p> <p>Histogram Standard mode for recording discrete measurements from continuous and semi- continuous sources.</p> <p>Histogram/Waveform A waveform is recorded while the histogram is running when one of the trigger thresholds is met or exceeded.</p> <p>Sample Period 1, 10, 20, 30, 40, 50 or 60 seconds.</p> <p>Data Stored Channel peaks, their frequencies and the vector sum.</p> <p>Histogram Interval The histogram interval determines how long a histogram will run before deactivating and starting a new histogram. From 1 to 12 hours or 0 which starts a new histogram at midnight.</p> <p>1. Histogram Storage The internal memory is sufficient to store over a year of histogram data using a 60 second period.</p>
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		<p>2. Reporting</p> <p>3. General Reporting requires an approved remote access device capable of port forwarding serial data by TCP. The reporting can be provided by the White Reporting Service™ or handled by the user with the White AutoReceive™ software.</p> <p>Waveform Mode With reporting activated, after a recording, the seismograph will output a string of characters consisting of the unit serial number and other information.</p> <p>Histogram Mode With reporting activated, after a histogram is made inactive, the seismograph will output a string of characters consisting of the unit serial number and other information.</p> <p>Physical</p> <p>Size Approximately 15 cm. x 11.5 cm. x 9 cm. (6 in. x 4.5 in. x 3.5 in.).</p> <p>Weight Approximately 1.6 Kg. (3.5 lbs.) without accessories.</p> <p>Battery Internal 6.0 volt rechargeable.</p> <p>Display The high contrast graphics display facilitates the instrument's setup. It also allows the operator to view operating parameters and summary data.</p> <p>Keypad The alphanumeric keypad can be used to supply comments and setup data.</p> <p>Clock A 24 hour clock maintains the date and time to the second, even if the primary power fails.</p> <p>Operating Time With a fully charged battery the unit will operate from 7 to 10 days at 1024 samples per second. Longer times may be obtained using the timer mode or external power from a solar panel or deep cycle battery.</p> <p>Charging An internal charging circuit allows charging with the supplied plug-in wall mount charger or available 10 to 15 volt DC supply. Power supplies for international use are available.</p> <p>Operating Temperature 0 to 130 degrees F (-18 to 54 degrees C).</p> <p>Dedicated laptop</p> <p>Rugged type At least 1 TB Hard disk, Processor i8, 4GB RAM, 4GHz speed, WiFi, Screen Size 14- 17 inch, Most current OS with own license. Shock proof casing and carrier bag</p> <p>Guarantee: At least two (2) years plus maintenance</p> <p>Installation and commissioning: Supplier's undertaking to carry out installation and commissioning</p> <p>Induction training: At least four operators on installation</p>
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		<p>and operation</p> <p>Technical Back Up Services: Evidence of availability of prompt technical backup service</p>
333	Vibrometer Battery- INSTANTEL MINIMATE PLUS-	<p>Model Description: Replacement battery for the InstanTEL Minimate Plus</p> <p>Compatibility: InstanTEL Minimate Plug (series III) - uses PK6V2F1</p> <p>Condition: New</p> <p>Includes: (1) New battery for the InstanTEL Minimate Plus</p> <p>Warranty: 1 year full replacement warranty included, additional warranty is available</p> <p>Life time expectancy: 3-5 years</p> <p>Manufacturer: UPS Battery Center Ltd.</p>
358	Laser Distance Meter	<ul style="list-style-type: none"> • Measuring range: 150m/500FT • Accuracy: +/-2 mm • 4x zoom 2MP camera • 2.1 inch IPS HD colour LCD touch screen • CAD Bluetooth App • digital inclination • 3D level • 100 set memory • rechargeable NiMH batteries
359	Laptops	<ul style="list-style-type: none"> • Min 16 GB RAM • 1TB SSD • 14" retina display • 2GB graphic card • Activated Windows 11 or Mac OS • Pre-installed and activated MS Office 2021 • Min Intel Core i7 or Apple M1 • Optional touch screen • Wifi/Bluetooth/Airdrop • HDMI 4, USB, SD Card and USB C ports • Min 10 hours battery life

360	All in one desktop computer	<ul style="list-style-type: none"> • Min 16 GB RAM • Min 512 GB SSD • Min 24" HD display • 2GB graphic card • Activated Windows 11 or Mac OS • Pre-installed and Activated MS Office 2021 • Min Intel Core i7 or Apple M1 • Optional touch screen • Wifi/Bluetooth/Airdrop • HDMI 4, USB and USB C ports
361	Heavy duty all in one colour laser photocopier	<p>main function : Copy, Print, Scan</p> <p>Print speed Up to 40 ppm</p> <p>Scanning Speed (A4) 300dpi (Mono/Color)</p> <p>simplex 40/23 ipm</p> <p>Duplex 32/16 ipm memory</p> <p>memory: Standard 512MB (Max. 1,536MB) Print</p> <p>resolution Up to 600 x 600 dpi</p> <p>Paper sizes 5.5" x 8.5", 8 1/2" x 11", 8 1/2" x 14", 11" x 17</p> <p>Duplex Printing -Paper size: A5R - A4/Legal; Paper weight: 60 - 163 g/m2</p> <p>Output Capacity :Max. 150 sheets face-down</p>
362	Multifunction coloured laser printer	<ul style="list-style-type: none"> •output : Black, Color •Print speed : Up to 30 ppm •Duty cycle : Up to 120,000 pages/month •Print resolution: Up to 600 x 600 dpi •Paper sizes :5.5" x 8.5", 8 1/2" x 11", 8 1/2" x 14", 11" x 17 • Duplex printing
363	Hardness Kit	<p>Model- 5#--9#</p> <p>Size- Pen 100mm x6mm</p> <p>Material- Pen points (5# Apatite; 6# Orthoclase; 7# Quartz; 8# Topaz; 9# Corondum)</p> <p>Weight-(Pen 7.8g, total weight 221g)</p>

364	Gemological Microscope	<p>Head - Binocular</p> <p>Zoom Range -9.76x - 88x (With 16x Eyepieces)</p> <p>Eyepieces -16x/15mm FOV</p> <p>Working Distance-122mm</p> <p>Stand-Gem Stand with tiltable 325o rotatable base, darkfield halogen illuminator with sliding baffle and iris diaphragm, overhead fluorescent illuminator, wire gem clamp, LED light guide</p> <p>Camera -Integrated 10.0 MP Camera</p> <p>USB or HDMI</p> <p>Warranty -5 Year Mechanical 1 Year Electrical</p>
365	Bead Making and Drilling Machine	
366	Gemological Polariscope	<ul style="list-style-type: none"> • Should have rotating glass polarizing filters at its top and in the base • Should include an interference figure sphere • Should be able to test single or double refraction ,optic character and pleochroism of transparent or translucent gems ,both loose or mounted.
367	Loose Gemstone Display holders	20 piece 5x5cm. White Top Glass Display Box Gemstone Jewelry Stone Coin Jar Container
368	Gemstone Cleaning Cloth	Selvyt Gemstone Polishing Cloth 14"x 14"
369	Gemstone report cards	To be designed at the Centre
370	Portable Gem Lab Kit	<ul style="list-style-type: none"> • Should have automatic power switch • Should have long life auto charge batteries • Should have built in cold light source • Should contain the following- Refractometer, Spectrometer, Polariscope, Microscope, Stone holders, UV Long and Short Wave, Dichroscope.

371	High Definition Digital Camera with accessories	Sensor; 36.3mp FX Dimension;146*123*82mm Resolution;7360 x 4912 Dx mode; 15.3mp Boost low ISO sensitivity 64-12,800 Processor; EXpeed 4 Shutter; up to 1/8000 Speed; 5fps,6ps in DX Movie modes; full 1080HD @60FPS Battery life;1200shots
372	Portable XRF	Excitation source 50 kV, 4 W, Rh target Operator adjustable current and voltage for optimum excitation. Detection Large active area 20mm ² SDD detector with graphene window <140eV @ 250,000 cps Mn Ka resolution. Collimation User changeable collimator: 3 mm and 8 mm collimators supplied. Internal sample camera to identify exact measurement position. Filters Operator controlled, 5 position primary beam filter wheel. Manual filter/secondary target slot for factory or user made filters. Size and weight Weight: 1.9 kg with battery Size (LxWxH): 27 cm x 9 cm x 30 cm Elemental Range Sodium to Uranium (air and vacuum) Fluorine to Uranium (with helium purge)
373	Polish laps	Zinc lap 6"
374	Polish laps	Tin laps 6"
375	Diamond powder	100 carat tins 14,000 mesh or 0.5 Micron
376	Cerium Oxide Powder -20kgs	Polishing Powder
377	Silicon Carbide for Tumbling	80 Grit
378	Silicon Carbide for Tumbling	220 Grit

379	Silicon Carbide for Tumbling	400 Grit
380	Dop sticks Assorted metallic	Flat, round and v-shaped (metallic and wooden)
381	Facetting Machine	-Machine - operates at 110 or 220 VAC -Two dial indicators -Drip Tank -Splashguard -Position 1 Alignment Block -Position 2 Alignment Block -Position 2 Spacer Bar -Cylindrical tools: 1 each copper/maple/phenolic-diams,8mm,13mm,17mm -Slitting tools-1 eachcopper/phenolitic-90o inciluded angle;- Slitting Tool Adapter -Tool Bushings-3/32, 1/8, 1/4 - Owners manual
382	Hand held GPS	GPS MAP 66i 3inch sunlight-readable colour display
383	Ultrabooks	<ul style="list-style-type: none"> • Folddable with touch screen • Min 16 GB RAM • 13" retina display • 4GB graphic card • Min 512 GB SSD • Activated Windows 11 or Mac OS • Pre-installed and actiavted MS Office 2021 • Min Intel Core i7 or M1 or M2 • Wifi/Bluetooth/Airdrop • HDMI 4 and USB C ports • Min 11 hours standby battery life
396	Supply, Installation, Testing and Commissioning of 300 KVA Standby Generator.	<ul style="list-style-type: none"> • Rated Power 300kVA / 240kW • 380-415 Volts, 3-Phase, 400 Ampere per phase. • Diesel Fuel • 50 Hz • IP54 (soundproof sets), IP56 (control system) • Base fuel tank for at least 8 hours running • Water-cooled, 4-stroke, Direct-injection Diesel • Excitation system: self-excited • Stainless galvanized zinc plates with strong corrosion resistance • Vibration isolators between the engine/alternator and base frame
399	High Resolution Digital Camera	<ul style="list-style-type: none"> • Fast continuous shooting • iTR focus tracking • 32.5 megapixel APS-C CMOS sensor • 4K filmmaking and Dual Pixel CMOS AF • Intelligent optical viewfinder • Maximum ISO 25,600, 45 cross type AF points with multi-controllerWi-Fi and Bluetooth

400	Projector	<ul style="list-style-type: none"> • Minimum 3000 lumens display • HDMI 3/VGA/USB C ports • Eco and energy saving • 5 °C to 45 °C operation temperature
401	65 inch UHD-4K Display Screen	<ul style="list-style-type: none"> • 65 in UHD • 4K resolution • 3 HDMI ports • Wifi/Bluetooth support • Ethernet cable • Smart Hub - Youtube/Netflix/Amazon/Galley • High dynamic range

Drilling Rig	
CARRIER	
Standard Track mounted - various track options available. Umbilical tracking	
Other Options	
Heavy duty commercial 4 x 4 truck Trailer Skid Mounted on customer own support vehicle/structure.	
DECK ENGINE	
Type Caterpillar C4.4 (140-160hp) Other options available	
MAST CAPACITY	
Pullback	9000-12000 kg
PullDown	3200-3300 kg
Hookload (Max)	9000-12000 kg
Working Stroke (Main Winch)	5500-6000 mm
Working Stroke (Rotary Head)	3500-3900 mm
Mast Dump	45 degrees
HEAD TRAVERSE	
Hoist	6m/m (20ft/min)
Rapid Hoist	26m/min (85.5ft/min)
Feed	20.25m/min (66ft/min)
Rapid Feed	36.5m/min (120ft/min)
ROTARY HEAD	
Rotary Head Performance (Standard) Rotation (max): 436 rpm	
Torque (max): 6000 Nm	
Rotary Head Performance (Option 1)	
Rotation (max): 750 rpm	
Torque (max): 4000 Nm	
Other options available	
Features	
Rotary head tilt and side shift	
DRILL TABLE & BREAKOUT SYSTEM	
Type Double acting hydraulic make up and breakout clamp.	
Clamping Diameter	60mm (min) - 250mm (max)
Other options available	

HYDRAULIC SYSTEM	
Type	Hydraulic power circuit based on load sensing hydraulic pumps and proportional control valves with auxiliary quick connect circuit
MAIN WINCH	
Single Line Pull (Max)	3200kgf
Single Line Speed (Max)	41 m/minute
Drum Capacity (13mm wire rope)	60-70 m
WIRELINE WINCH (OPTIONAL)	
Single Line Pull (Max)	1000 kg
Single Line Speed (Max)	120 m/minute
Drum Capacity (4.76 mm wire rope)	1150 m
Other options available	
CORING PUMP	
Type	FMC hydraulically driven duplex pump
Flow Rate (Max)	146 litres/minute
Discharge Pressure (Max)	700 psi
Other options available	
INLINE OIL LUBRICATOR	
Type	Fitted as standard and used when operating a DTH hammer
CONTROL PANEL	
Type	Uncomplicated and user friendly with ergonomic layout mounted on a swing out arm
LEVELLING JACKS	
Type	Two front and two rear jacks with individual locking valves
LIGHTING & ELECTRICAL SYSTEM	
Lighting	Control panel lighting Mast lighting (optional)
Electrical System	12 V
OTHER	
Rod Spin Safety Guard	Fitted as standard with speed reduction

<u>SPECIFIC GRAVITY BALANCE SPECIFICATIONS</u>	
Density determination kit for the balance	
Capacity: 220gm	
Resolution: 0.0001gm (0.1mg)	
Pan Size: 90mm Diameter	
Calibration: External	
Single touch key external calibration ensures the highest accuracy.	

18 Standard Units with all character marks

Standard 1500V isolation USB port, ease to connect with PC.

- Backlit High Contrast display with 15mm
- Bidders to attach photos of item to supply
- Installation, commissioning and training

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

Beneficiary: _____

Request for Tenders No:

Date: _____ **TENDER GUARANTEE No.:** _____

Guarantor: _____

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

the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) thirty days after the end of the Tender Validity Period.

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

[signature(s)]

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

FORM 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 th 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 process]*

To: *[insert complete name of*

Purchaser] I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
2. I/We accept that I/we will automatically be suspended from being eligible for tendering in any contract with the Purchaser for the period of time of*[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]*

SECTION V - SCHEDULE OF REQUIREMENTS

List of Goods

As listed in the price schedule form in Section IV.

Delivery Schedule

Final Destination of the goods will be Madini House, Industrial Area

Delivery (as per Incoterms) Date		
Earliest Delivery Date	Latest Delivery Date	Tenderer's offered Delivery date <i>[to be provided by the tenderer]</i>
Immediately after Issuance of the Order	One week after Issuance of the Order	

Name of tenderer

Signature of tenderer

Date

Official Stamp

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

- 3.1 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.
- 3.2 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.

4.1 *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.

4.2 *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.

4.3 *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.

4.4 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.

10.2 Arbitration proceedings shall be conducted as follows:

10.2.1 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.

10.2.2 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.

- 10.2.3 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.
- 10.2.4 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.
- 10.2.5 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.
- 10.2.6 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.
- 10.2.7 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.

10.3 Arbitration Proceedings

10.3.1 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 dispute 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

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

10.3.3 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.

10.4 Arbitration with Foreign Suppliers

- 10.4.1 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
- 10.4.2 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].

10.5 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.

10.6 Failure to Comply with Arbitrator's Decision

- 10.6.1 The award of such Arbitrator shall be final and binding upon the parties.
- 10.6.1 In the event that a Party fails to comply with a final and binding Arbitrator's decision, then the other Party may, without prejudice to any other rights it may have, refer the matter to a competent court of law.

10.7 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: (*corrected tender price – tender price*)/*tender price* X 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 arbitrage 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;

- e) 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 specification's 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 wilful 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 a 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

35.2 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.

[The Procuring Entity shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
GCC 1.1(h)	The Procuring Entity is: <i>State Department for Mining,</i>
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: <i>[exceptional; refer to other internationally accepted trade terms]</i>
GCC 4.2 (b)	The version edition of Incoterms shall be <i>INCOTERMS 2015</i>
GCC 8.1	For notices , the Procuring Entity's address shall be: Attention: <i>The Principal Secretary,</i> <i>State Department for Mining,</i> <i>PO Box 30009 – 00100,</i> <i>Nairobi, Kenya</i> Physical Address Works Building along Ngong Road, 2nd floor Telephone: <i>[include telephone number, including country and city codes]</i> Electronic mail address: <i>[insert e-mail address, if applicable]</i>
GCC 10.4.2	The place of arbitration shall be Nairobi Kenya
GCC 13.1	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 way bill, 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> . 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.
GCC 15.1	The prices charged for the Goods supplied and the related Services performed " <i>shall not,</i> " be adjustable before the end of one year after tender has been awarded. If prices are adjustable, the following method shall be used to calculate the price adjustment <i>[see attachment to these SCC for a sample Price Adjustment Formula]</i>

GCC 16.1	<p><i>Sample provision</i></p> <p>GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>A. Payment for Goods supplied from abroad: Payment of foreign currency portion shall be made in <i>[insert currency of the Contract Price]</i> in the following manner:</p> <p>(i) Advance Payment: Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract, and upon submission of claim and a bank guarantee for equivalent amount valid until the Goods are delivered and, in the form, provided in the Tendering document or another form acceptable to the Procuring Entity.</p>
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	<p>(ii) On Shipment: Eighty (80) percent of the Contract Price of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favour of the Supplier in a bank in its country, upon submission of documents specified in GCC Clause 12.</p> <p>(iii) On Acceptance: Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Procuring Entity.</p> <p>B. Payment of local currency portion of a foreign Supplier shall be made in Kenya shillings within thirty (30) days of presentation of claim supported by a certificate from the Procuring Entity declaring that the Goods have been delivered and that all other contracted Services have been performed.</p> <p>C. Payment for Goods and Services supplied from within Kenya:</p> <p>Payment for Goods and Services supplied from within Kenya shall be made in <i>[currency]</i>, as follows:</p> <p>(i) Advance Payment: Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract against an invoice and a bank guarantee for the equivalent amount and in the form provided in the Tendering document or another form acceptable to the Procuring Entity.</p> <p>(ii) 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>(iii) On Acceptance: The remaining ten (10) 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>
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GCC 16.5	<p>The payment-delay period after which the Procuring Entity shall pay interest to the supplier shall be <i>[insert number]</i> days.</p> <p>The interest rate that shall be applied is <i>[insert number]</i> %</p>
GCC 18.1	<p>A Performance Security <i>[5% of award price]</i></p> <p><i>[If a Performance Security is required, insert “the amount of the Performance Security shall be: [insert amount]</i></p> <p><i>[The amount of the Performance Security is usually expressed as a percentage of the Contract Price. The percentage varies according to the Procuring Entity’s perceived risk and impact of non-performance by the Supplier. A 10% percentage is used under normal circumstances]</i></p>
GCC 18.3	<p>If required, the Performance Security shall be in the form of: <i>[Bank Guarantee from a reputable Bank recognized in Kenya]</i></p> <p>If required, the Performance security shall be denominated in <i>[insert “a freely convertible currency acceptable to the Procuring Entity” or “the currencies of payment of the Contract, in accordance with their portions of the Contract Price”]</i></p>
GCC 18.4	<p>Discharge of the Performance Security shall take place: <i>[insert date if different from the one indicated in sub clause GCC 18.4]</i></p>
GCC 23.2	<p>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></p>
GCC 24.1	<p>The insurance coverage shall be as specified in the Incoterms.</p> <p>If not in accordance with Incoterms, insurance shall be as follows: <i>[insert specific insurance provisions agreed upon, including coverage, currency and amount]</i></p>
GCC 25.1	<p>Responsibility for transportation of the Goods shall be as specified in the Incoterms.</p> <p>If not in accordance with Incoterms, responsibility for transportations shall be as follows: <i>[insert “The Supplier is required under the Contract to transport the Goods to a specified place of final destination 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></p>
GCC 25.2	<p>Incidental services to be provided are: <i>[Selected services covered under GCC Clause 25.2 and/or other should be specified with the desired features. The price quoted in the Tender price or agreed with the selected Supplier shall be included in the Contract Price.]</i></p>

GCC 26.1	The inspections and tests shall be: <i>[insert nature, frequency, procedures for carrying out the inspections and tests]</i>
GCC 26.2	The Inspections and tests shall be conducted at: <i>Madini House, Nairobi</i>
GCC 27.1	The liquidated damage shall be: <i>[insert number]</i> % per week
GCC 27.1	The maximum amount of liquidated damages shall be: <i>[insert number]</i> %
GCC 28.3	<p>The period of validity of the Warranty shall be: 365 days For purposes of the Warranty, the place(s) of final destination(s) shall be: <i>Madini House, Nairobi</i></p> <p>Sample provision</p> <p>GCC 28.3—In partial modification of the provisions, the warranty period shall be hours of operation or ____ months from date of acceptance of the Goods or (____) months from the date of shipment, whichever occurs earlier. 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:</p> <p>(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</p> <p>(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 ().</p> <p><i>[The rate should be higher than the adjustment rate used in the Tender evaluation under TDS 34.6(f)]</i></p>
GCC 28.5, GCC 28.6	The period for repair or replacement shall be: <i>[insert number(s)]</i> days.
GCC 33.6	<p>If the value engineering proposal is approved by the Procuring Entity the amount to be paid to the Supplier shall be_% (insert appropriate percentage).</p> <p>The percentage is normally up to 50%) of the reduction in the Contract Price.</p>
	Due diligence shall be conducted

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] ii) Agency: _____ [*insert name of Employer*] iii) Email address: _____ [*insert 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: _____ [*insert 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.
 - e) You should read these documents before preparing and submitting your complaint.
 - f) 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 fourteen (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 FOR REVIEW (r.203(1))

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION

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

BETWEEN.....

.....

APPLICANT

AND

.....**R**

ESPONDENT (Procuring Entity)

Request for review of the decision of the..... (Name of the Procuring Entity of dated the...day of20.....in the matter of Tender Noof20..... for (Tender description).

REQUEST FOR REVIEW

I/We.....the abovenamed 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/orders that:

- 1.
- 2.

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

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

SIGNED

Board Secretary

FORM NO. 3 LETTER 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
 - 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.

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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]*

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").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

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, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of, 2.....², and any demand for payment under it must be received by us at the office indicated above on or before that date.

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
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.: _____

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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 Obligee (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

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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_.

on _____ SIGNED 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 into 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

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.

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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.

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]*

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.*

	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 Indirectly-- -- ----- % of shares	Directly.....% of voting rights Indirectly----- ---% 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----	1. Exercise s significant influence or control over the Company body of the Company (tenderer) Yes ----No----
	National identity card number or Passport number					
	Personal Identification Number (where applicable)					
	Nationality					
	Date of birth [dd/mm/yyyy]					
	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)
	Postal address				Direct..... Indirect.....	directly or indirectly? Direct..... Indirect.....
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					
2.	Full Name		Directly---- -- ----- %	Directly.....% of voting	1. Having the right to appoint a majority of the board of the	1. Exercise s significant influence or
	National identity card					

	number or Passport number		of shares	rights	directors or an equivalent governing body of the Tenderer: Yes - -- --No----	control over the Company body of the Company (tenderer) Yes ----No----
	Personal Identification Number (where applicable)		Indirectly-- -- ----- % of shares	Indirectly----- ---% of voting rights	2. Is this right held directly or indirectly?: Direct..... Indirect..... 	2. Is this influence or control exercised directly or indirectly? Direct..... Indirect.....
	Nationality(ies)					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					
3.						
e.t.c						

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

I) We here by provide the following beneficial ownership information.

Details of beneficial ownership

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*

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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