



Procurement of Groundwater Information System ICT Infrastructure (Hardware Supply, Network Implementation, Related Software & Licenses, and Testing and Commissioning)

Purchaser: *Water Resources Authority*

Project: *The Horn of Africa Groundwater for Resilience Project, Kenya*

Contract title: *Provision of Groundwater Information System ICT Infrastructure (Hardware Supply, Network Implementation, Related Software & Licenses, and Testing and Commissioning)*

Country: *Republic of Kenya*

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PART 1 – BIDDING PROCEDURES

SECTION I - INSTRUCTIONS TO BIDDERS (ITB)

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Section I - Instructions to Bidders

A. GENERAL

1. Scope of Bid

- 1.1. The Purchaser, as indicated in the BDS, or its duly authorized Purchasing Agent if so specified in the BDS (interchangeably referred to as “the Purchaser” issues this bidding document for the supply and installation of the Information System as specified in Section VII, Purchaser’s Requirements. The name, identification and number of lots (contracts) of this RFB are specified in the BDS.
- 1.2. Unless otherwise stated, throughout this bidding document definitions and interpretations shall be as prescribed in the Section VIII, General Conditions of Contract.

Throughout this bidding document:

- (a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, including if specified in the BDS, distributed or received through the electronic-procurement system used by the Purchaser) with proof of receipt;
- (b) if the context so requires, “singular” means “plural” and vice versa; and
- (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 Borrower. It excludes the Borrower’s official public holidays.
- (d) “ES” means environmental and social (including Sexual Exploitation and Abuse (SEA), and Sexual Harassment (SH));
- (e) “Sexual Exploitation and Abuse” “(SEA)” means the following:

Sexual Exploitation is defined as any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another;

Sexual Abuse is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions.

- (f) “Sexual Harassment” “(SH)” is defined as unwelcome sexual advances, requests for sexual favors, and other verbal

or physical conduct of a sexual nature by the Supplier’s Personnel with other Supplier’s Personnel or Purchaser’s Personnel.

(g) “Supplier’s Personnel” is as defined in GCC Sub-Clause 1.1; and

(h) “Purchaser’s Personnel” is as defined in GCC Sub-Clause 1.1.

A non-exhaustive list of (i) behaviors which constitute SEA and (ii) behaviors which constitute SH is attached to the Code of Conduct form in Section IV

2. Source of Funds	2.1. The Borrower or Recipient (hereinafter called “Borrower”) indicated in the BDS has applied for or received financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) in an amount specified in the BDS toward the project named in the BDS. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which this bidding document is issued.
	2.2. Payments by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the Loan (or other financing) Agreement between the Borrower and the Bank (hereinafter called the Loan Agreement), and will be subject in all respects to the terms and conditions of that Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of equipment, materials or any other goods, if such payment or import is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the Loan (or other financing) Agreement or have any claim to the funds.
3. Fraud and Corruption	3.1. The Bank requires compliance with the Bank’s Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG’s Sanctions Framework, as set forth in Section VI.
	3.2. In further pursuance of this policy, Bidders shall permit and shall cause their agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and personnel, to

permit the Bank to inspect all accounts, records and other documents relating to any initial selection process, prequalification process, bid submission, proposal submission and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

4. Eligible Bidders

4.1. A Bidder may be a firm that is a private entity, a state-owned enterprise or institution subject to ITB 4.6, 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. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the 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 Bidding process and, in the event the JV is awarded the Contract, during contract execution. Unless specified in the BDS, there is no limit on the number of members in a JV.

4.2. A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this Bidding process, if the Bidder:

- (a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or
- (b) receives or has received any direct or indirect subsidy from another Bidder; or
- (c) has the same legal representative as another Bidder; or
- (d) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the Bid of another Bidder, or influence the decisions of the Purchaser regarding this Bidding process; or
- (e) any of its affiliates participates as a consultant in the preparation of the design or technical specifications of the Information System that are the subject of the Bid; or
- (f) or any of its affiliates has been hired (or is proposed to be hired) by the Purchaser or Borrower as Project Manager 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 BDS ITB 2.1 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

(h) has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding document or specifications of the Contract, and/or the Bid 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 Bank throughout the Bidding process and execution of the Contract.

- 4.3. A firm that is a Bidder (either individually or as a JV member) shall not participate as a Bidder or as JV member in more than one Bid except for permitted alternative Bids. Such participation shall result in the disqualification of all Bids in which the firm is involved. However, this does not limit the participation of a Bidder as subcontractor in another Bid or of a firm as a subcontractor in more than one Bid.
- 4.4. A Bidder may have the nationality of any country, subject to the restrictions pursuant to ITB 4.8. A Bidder shall be deemed to have the nationality of a country if the Bidder 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 sub-contractors or sub-consultants for any part of the Contract including related Services.

- 4.5. A Bidder that has been sanctioned by the Bank, pursuant to the Bank’s Anti-Corruption Guidelines, and in accordance with its prevailing sanctions policies and procedures as set forth in the WBG’s Sanctions Framework as described in Section VI paragraph 2.2 d., shall be ineligible to be initially selected for, prequalified for, bid for, propose for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of debarred firms and individuals is available at the electronic address specified in the BDS.
- 4.6. Bidders that are state-owned enterprises or institutions in the Purchaser’s Country may be eligible to compete and be awarded a Contract(s) only if they can establish, in a manner acceptable to the Bank, that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not under supervision of the Purchaser.
- 4.7. A Bidder shall not be under suspension from bidding by the Purchaser as the result of the operation of a Bid-Securing Declaration or Proposal-Securing Declaration.
- 4.8. Firms and individuals may be ineligible if so indicated in Section V and (a) as a matter of law or official regulations, the Borrower’s country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; 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, the Borrower’s country prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.
- 4.9. This Bidding is open for all eligible Bidders, unless otherwise specified in ITB 15.2.
- 4.10. A Bidder shall provide such documentary evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 4.11. A firm that is under a sanction of debarment by the Borrower from being awarded a contract is eligible to participate in this procurement, unless the Bank, at the Borrower’s request, is satisfied that the debarment; (a) relates to fraud or corruption,

and (b) followed a judicial or administrative proceeding that afforded the firm adequate due process.

5. Eligible Goods and Services

- 5.1. The Information Systems to be supplied under the Contract and financed by the Bank may have their origin in any country in accordance with Section V, Eligible Countries.
- 5.2. For the purposes of this bidding document, the term “Information System” means all:
 - (a) the required information technologies, including all information processing and communications-related hardware, software, supplies, and consumable items that the Supplier is required to design, supply and install under the Contract, plus all associated documentation, and all other materials and goods to be designed, supplied, installed, integrated, and made operational; and
 - (b) the related software development, transportation, insurance, installation, customization, integration, commissioning, training, technical support, maintenance, repair, and other services necessary for proper operation of the Information System to be provided by the selected Bidder and as specified in the Contract.
- 5.3. For purposes of ITB 5.1 above, “origin” means the place where the goods and services making the Information System are produced in or supplied from. An Information System is deemed to be produced in a certain country when, in the territory of that country, through software development, manufacturing, or substantial and major assembly or integration of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

B. CONTENTS OF BIDDING DOCUMENT

6. Sections of Bidding Document

- 6.1 The bidding document consists 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 ITB 8:

PART 1 - Bidding Procedures

Section I - Instructions to Bidders (ITB)

Section II - Bid Data Sheet (BDS)

Section III - Evaluation and Qualification Criteria

Section IV - Bidding Forms

Section V - Eligible Countries

Section VI - Fraud and Corruption

PART 2 - Purchaser's Requirements

Section VII - Requirements of the IS, including:

- Technical Requirements
- Implementation Schedule
- System Inventory Tables
- Background and Informational Materials

PART 3 - Contract

Section VIII - General Conditions of Contract

Section IX - Special Conditions of Contract

Section X - Contract Forms

- 6.1. The Specific Procurement Notice – Request for Bids (RFB) issued by the Purchaser is not part of this bidding document.
- 6.3. Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the document, responses to requests for clarification, the Minutes of the pre-Bid meeting (if any), or Addenda to the bidding document in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.
- 6.4. The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding document and to furnish with its Bid all information or documentation as is required by the bidding document.

7. Clarification of Bidding Document, Site Visit, Pre-bid Meeting

7.1. A Bidder requiring any clarification of the bidding document shall contact the Purchaser in writing at the Purchaser's address specified in the BDS or raise its enquiries during the pre-Bid meeting if provided for in accordance with ITB 7.4. The Purchaser will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of Bids within a period specified in the BDS. The Purchaser's shall forward copies of its response to all Bidders who have acquired the bidding document in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. If so specified in the BDS, the Purchaser shall also promptly publish its response at the web page identified in the BDS. Should the Purchaser deem it necessary to amend the bidding document as a result of a request for clarification, it shall do so following the procedure under ITB 8 and ITB 23.2.

7.2. The Bidder may wish to visit and examine the site where the Information System is to be installed and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid and entering into a contract. The costs of visiting the site shall be at the Bidder's own expense.

7.3. The Bidder and any of its personnel or agents will be granted permission by the Purchaser to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Purchaser and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

7.4. The Bidder's designated representative is invited to attend a pre-Bid meeting and/or a site visit, if provided for in the BDS. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

7.5. The Bidder is requested, as far as possible, to submit any questions in writing, to reach the Purchaser not later than one week before the meeting.

7.6. Minutes of the pre-Bid meeting, including the text of the questions raised without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the bidding document in accordance with ITB 6.3. Any modification to the bidding document that may become necessary as a result of the pre-Bid meeting shall be made by the Purchaser exclusively through

the issue of an Addendum pursuant to ITB 8 and not through the minutes of the pre-Bid meeting.

7.7. Nonattendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

8. Amendment of Bidding Document

8.1. At any time prior to the deadline for submission of Bids, the Purchaser may amend the bidding document by issuing addenda.

8.2. Any addendum issued shall be part of the bidding document and shall be communicated in writing to all who have obtained the bidding document from the Purchaser in accordance with ITB 6.3. The Purchaser shall also promptly publish the addendum on the Purchaser's web page in accordance with ITB 7.1.

8.3. To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of Bids, pursuant to ITB 23.2

C. PREPARATION OF BIDS

9. Cost of Bidding

9.1. The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

10. Language of Bid

10.1. The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.

11. Documents Comprising the Bid

11.1. The Bid submitted by the Bidder shall comprise the following:

- (a) **Letter of Bid** prepared in accordance with ITB 12;
- (b) **Price Schedules** completed in accordance with ITB 12 and ITB 17;
- (c) **Bid Security or Bid-Securing Declaration** in accordance with ITB 20;

- (d) **Alternative Bid:** if permissible, in accordance with ITB 13;
- (e) **Authorization:** written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 21.3;
- (f) **Eligibility of Information System:** documentary evidence established in accordance with ITB 14.1 that the Information System offered by the Bidder in its Bid or in any alternative Bid, if permitted, are eligible;
- (g) **Bidder's Eligibility:** documentary evidence in accordance with ITB 15 establishing the Bidder's eligibility and qualifications to perform the contract if its Bid is accepted;
- (h) **Conformity:** documentary evidence established in accordance with ITB 16 that the Information System offered by the Bidder conform to the bidding document;
- (i) **Subcontractors:** list of subcontractors, in accordance with ITB 16.4;
- (j) **Intellectual Property:** a list of: Intellectual Property as defined in GCC Clause 15;
 - (i) all Software included in the Bid, assigning each item to one of the software categories defined in GCC Clause 1.1 (c):
 - a. System, General Purpose, and Application Software; or
 - b. Standard and Custom Software;
 - (ii) all Custom Materials, as defined in GCC Clause 1.1 (c), included in the Bid;
- All Materials not identified as Custom Materials shall be deemed Standard Materials, as defined in GCC Clause 1.1 (c);
Re-assignments among the Software and Materials categories, if necessary, will be made during the implementation of the Contract according to GCC Clause 39 (Changes to the Information System); and
- (k) any other document required in the BDS.

11.2. In addition to the requirements under ITB 11.1, Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members indicating at least the parts of the Information System to be executed by the respective members. Alternatively, a

letter of intent to execute a Joint Venture Agreement in the event of a successful Bid shall be signed by all members and submitted with the Bid, together with a copy of the proposed Agreement indicating at least the parts of the Information System to be executed by the respective members.

11.3. The Bidder shall furnish in the Letter of Bid information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.

12. Letter of Bid and Price Schedules 12.1. The Bidder shall complete the Letter of Bid, including the appropriate Price Schedules, using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 21.3. All blank spaces shall be filled in with the information requested.

13. Alternative Bids 13.1. The BDS indicates whether alternative Bids are allowed. If they are allowed, the BDS will also indicate whether they are permitted in accordance with ITB 13.3, or invited in accordance with ITB 13.2 and/or ITB 13.4.

13.2. When alternatives to the Time Schedule are explicitly invited, a statement to that effect will be included in the BDS, and the method of evaluating different time schedules will be described in Section III, Evaluation and Qualification Criteria.

13.3. Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the Purchaser's requirements as described in the bidding document must also provide: (i) a price at which they are prepared to offer an Information System meeting the Purchaser's requirements; and (ii) all information necessary for a complete evaluation of the alternatives by the Purchaser, including drawings, design calculations, technical specifications, breakdown of prices, and proposed installation methodology and other relevant details. Only the technical alternatives, if any, of the Bidder with the Most Advantageous Bid conforming to the basic technical requirements shall be considered by the Purchaser.

13.4. When Bidders are invited in the BDS to submit alternative technical solutions for specified parts of the system, such parts shall be described in Section VII, Purchaser's Requirements. Technical alternatives that comply with the performance and technical criteria specified for the Information System shall be considered by the Purchaser on their own merits, pursuant to ITB 35.

14. Documents Establishing the Eligibility of the Information System

14.1. To establish the eligibility of the Information System in accordance with ITB 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.

15. Documents Establishing the Eligibility and Qualifications of the Bidder

15.1. To establish its eligibility and qualifications to perform the Contract in accordance with Section III, Evaluation and Qualification Criteria, the Bidder shall provide the information requested in the corresponding information sheets included in Section IV, Bidding Forms.

15.2. In the event that prequalification of potential Bidders has been undertaken as stated in the BDS, only Bids from prequalified Bidders shall be considered for award of Contract. These qualified Bidders should submit with their Bids any information updating their original prequalification applications or, alternatively, confirm in their Bids that the originally submitted prequalification information remains essentially correct as of the date of Bid submission.

16. Documents Establishing Conformity of the Information System

16.1. Pursuant to ITB 11.1 (h), the Bidder shall furnish, as part of its Bid, documents establishing the conformity to the bidding documents of the Information System that the Bidder proposes to design, supply and install under the Contract.

16.2. The documentary evidence of conformity of the Information System to the bidding documents including:

- (a) Preliminary Project Plan describing, among other things, the methods by which the Bidder will carry out its overall management and coordination responsibilities if awarded the Contract, and the human and other resources the Bidder proposes to use. The Preliminary Project Plan must also address any other topics specified in the BDS. In addition, the Preliminary Project Plan should state the Bidder's assessment of what it expects the Purchaser and any other party involved in the implementation of the Information System to provide during implementation and how the Bidder proposes to coordinate the activities of all involved parties;
- (b) written confirmation that the Bidder accepts responsibility for the successful integration and inter-operability of all components of the Information System as required by the bidding documents;
- (c) an item-by-item commentary on the Purchaser's Technical Requirements, demonstrating the substantial responsiveness

of the Information System offered to those requirements. In demonstrating responsiveness, the Bidder should use the Technical Responsiveness Checklist (or Checklist Format) in the Sample Bidding Forms (Section IV). The commentary shall include explicit cross-references to the relevant pages in the supporting materials included in the bid. Whenever a discrepancy arises between the item-by-item commentary and any catalogs, technical specifications, or other preprinted materials submitted with the bid, the item-by-item commentary shall prevail;

- (d) support material (e.g., product literature, white papers, narrative descriptions of technologies and/or technical approaches), as required and appropriate; and
- (e) any separate and enforceable contract(s) for Recurrent Cost items which the BDS ITB 17.2 requires Bidders to bid.

16.3. References to brand names or model numbers or national or proprietary standards designated by the Purchaser in the bidding documents are intended to be descriptive and not restrictive. Except as specified in the BDS for specific items or standards, the Bidder may substitute alternative brand/model names or standards in its bid, provided that it demonstrates to the Purchaser's satisfaction that the use of the substitute(s) will result in the Information System being able to perform substantially equivalent to or better than that specified in the Technical Requirements.

16.4. For major items of the Information System as listed by the Purchaser in Section III, Evaluation and Qualification Criteria, which the Bidder intends to purchase or subcontract, the Bidder shall give details of the name and nationality of the proposed subcontractors, including manufacturers, for each of those items. In addition, the Bidder shall include in its Bid information establishing compliance with the requirements specified by the Purchaser for these items. Quoted rates and prices will be deemed to apply to whichever subcontractor is appointed, and no adjustment of the rates and prices will be permitted.

16.5. The Bidder shall be responsible for ensuring that any subcontractor proposed complies with the requirements of ITB 4, and that any goods or services to be provided by the subcontractor comply with the requirements of ITB 5 and ITB 16.1.

17. Bid Prices

17.1. All Goods and Services identified in the Supply and Installation Cost Sub-Tables in System Inventory Tables in Section VII, and all other Goods and Services proposed by the Bidder to fulfill the requirements of the Information System, must be priced separately and summarized in the corresponding cost tables in the Sample

Bidding Forms (Section IV), in accordance with the instructions provided in the tables and in the manner specified below.

- 17.2. Unless otherwise specified in the BDS, the Bidder must also bid Recurrent Cost Items specified in the Technical Requirements, Recurrent Cost Sub-Table of the System Inventory Tables in Section VII (if any). These must be priced separately and summarized in the corresponding cost tables in the Sample Bidding Forms (Section IV), in accordance with the instructions provided in the tables and in the manner specified below:
 - (a) if specified **in the BDS**, the Bidder must also bid separate enforceable contracts for the Recurrent Cost Items not included in the main Contract;
 - (b) prices for Recurrent Costs are all-inclusive of the costs of necessary Goods such as spare parts, software license renewals, labor, etc., needed for the continued and proper operation of the Information System and, if appropriate, of the Bidder's own allowance for price increases;
 - (c) prices for Recurrent Costs beyond the scope of warranty services to be incurred during the Warranty Period, defined in GCC Clause 29.4 and prices for Recurrent Costs to be incurred during the Post-Warranty Period, defined in SCC Clause 1.1. (e) (xiii), shall be quoted as Service prices on the Recurrent Cost Sub-Table in detail, and on the Recurrent Cost Summary Table in currency totals.
- 17.3. Unit prices must be quoted at a level of detail appropriate for calculation of any partial deliveries or partial payments under the contract, in accordance with the Implementation Schedule in Section VII), and with GCC and SCC Clause 12 – Terms of Payment. Bidders may be required to provide a breakdown of any composite or lump-sum items included in the Cost Tables
- 17.4. The price of items that the Bidder has left blank in the cost tables provided in the Sample Bid Forms (Section IV) shall be assumed to be included in the price of other items. Items omitted altogether from the cost tables shall be assumed to be omitted from the bid and, provided that the bid is substantially responsive, an adjustment to the bid price will be made during bid evaluation in accordance with ITB 31.3.
- 17.5. The prices for Goods components of the Information System are to be expressed and shall be defined and governed in accordance with the rules prescribed in the edition of Incoterms specified in the BDS, as follows:

(a) Goods supplied from outside the Purchaser's country:

Unless otherwise specified **in the BDS**, the prices shall be quoted on a CIP (named place of destination) basis, exclusive of all taxes, stamps, duties, levies, and fees imposed in the Purchaser's country. The named place of destination and special instructions for the contract of carriage are as specified in the SCC for GCC 1.1 (e) (iii). In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible countries. Similarly, the Bidder may obtain insurance services from any eligible source country;

(b) Locally supplied Goods:

Unit prices of Goods offered from within the Purchaser's Country, shall be quoted on an EXW (ex factory, ex works, ex warehouse or off-the-shelf, as applicable) basis, including all customs duties, levies, fees, sales and other taxes incurred until delivery of the Goods, but excluding all VAT or sales and other taxes and duties/fees incurred for the Goods at the time of invoicing or sales transaction, if the Contract is awarded;

(c) Inland transportation.

- 17.6. Unless otherwise stated in the BDS, inland transportation, insurance and related local costs incidental to the delivery of the Goods to the designated Project Sites must be quoted separately as a Service item in accordance with ITB 17.5, whether the Goods are to be supplied locally or from outside the Purchaser's country, except when these costs are already included in the price of the Goods, as is, e.g., the case, when ITB 17.5 (a) specifies CIP, and the named places of destination are the Project Sites.
- 17.7. The price of Services shall be separated into their local and foreign currency components and where appropriate, broken down into unit prices. Prices must include all taxes, duties, levies and fees whatsoever, except only VAT or other indirect taxes, or stamp duties, that may be assessed and/or apply in the Purchaser's country on/to the price of the Services invoiced to the Purchaser, if the Contract is awarded.
- 17.8. Unless otherwise specified in the BDS, the prices must include all costs incidental to the performance of the Services, as incurred by the Supplier, such as travel, subsistence, office support, communications, translation, printing of materials, etc. Costs incidental to the delivery of the Services but incurred by the Purchaser or its staff, or by third parties, must be included in the price only to the extent such obligations are made explicit in these

bidding documents (as, e.g., a requirement for the Bidder to include the travel and subsistence costs of trainees).

17.9. Unless otherwise specified in the BDS, prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to increases on any account. Bids submitted that are subject to price adjustment will be rejected.

18. Currencies of Bid and Payment

18.1. The currency(ies) of the Bid and currencies of payment shall be the same. The Bidder shall quote in the currency of the Purchaser's Country the portion of the Bid price that corresponds to expenditures incurred in the currency of the Purchaser's Country, unless otherwise specified in the BDS.

18.2. The Bidder may express the Bid price in any currency. If the Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly but shall use no more than three foreign currencies in addition to the currency of the Purchaser's Country.

19. Period of Validity of Bids

19.1. Bids shall remain valid until the date specified in the BDS or any extended date if amended by the Purchaser in accordance with ITB 8. A Bid that is not valid until the date specified in the BDS, or any extended date if amended by the Purchaser in accordance with ITB 8, shall be rejected by the Purchaser as nonresponsive.

19.2. In exceptional circumstances, prior to the date of expiry of the Bid validity, the Purchaser may request Bidders to extend the date of validity until a specified date. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 20, it shall also be extended for twenty-eight days (28) beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its Bid, except as provided in ITB 19.3.

19.3. If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial Bid validity specified in accordance with ITB 19.1, the Contract price shall be determined as follows:

- (a) in case of fixed price contracts, the contract price shall be the Bid price adjusted by a factor or factors specified **in the BDS**;
- (b) in the case of an adjustable price contracts, no adjustments shall be made;

(c) in any case, Bid evaluation shall be based on the Bid Price without taking into consideration the applicable correction from those indicated above.

20. Bid Security 20.1. The Bidder shall furnish as part of its Bid, either a Bid-Securing Declaration or a Bid Security as specified in the BDS, in original form and, in the case of a Bid Security, in the amount and currency specified in the BDS.

20.2. A Bid-Securing Declaration shall use the form included in Section IV, Bidding Forms.

20.3. If a Bid Security is specified pursuant to ITB 20.1, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:

- (a) an unconditional guarantee issued by a non-bank financial institution (such as an insurance, bonding or surety company);
- (b) an irrevocable letter of credit;
- (c) a cashier's or certified check; or
- (d) another security indicated **in the BDS**,

from a reputable source from an eligible country. If an unconditional guarantee is issued by a non-bank financial institution located outside the Purchaser's Country the issuing non-bank financial institution shall have a correspondent financial institution located in the Purchaser's Country to make it enforceable unless the Purchaser has agreed in writing, prior to Bid submission, that a correspondent financial institution is not required. In the case of a bank guarantee, the Bid Security shall be submitted either using the Bid Security Form included in Section IV, Bidding Forms or in another substantially similar format approved by the Purchaser prior to Bid submission. In either case, the form must include the complete name of the Bidder. The Bid Security shall be valid for twenty-eight (28) days beyond the original date of expiry of the Bid validity, or beyond any extended date if requested under ITB 19.2.

20.4. If a Bid Security or a Bid-Securing Declaration is specified pursuant to ITB 20.1, any Bid not accompanied by a substantially responsive Bid Security or Bid-Securing Declaration shall be rejected by the Purchaser as non-responsive.

- 20.5. If a Bid Security is specified pursuant to ITB 20.1, the Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB 48.
- 20.6. The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance Security.
- 20.7. The Bid Security may be forfeited:
 - (a) if a Bidder withdraws its Bid prior to the expiry date of Bid validity specified by the Bidder on the Letter of Bid or any extended date provided by the Bidder; or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB 47; or
 - (ii) furnish a performance security in accordance with ITB 48.
- 20.8. The Bid Security or the Bid-Securing Declaration of a JV shall be in the name of the JV that submits the bid. If the JV has not been legally constituted into a legally enforceable JV at the time of Bidding, the Bid Security or the Bid-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.
- 20.9. If a Bid Security is not required in the BDS, and:
 - (a) if a Bidder withdraws its Bid prior to the expiry date of the Bid validity specified by the Bidder on the Letter of Bid, or any extended date provided by the Bidder; or
 - (b) if the successful Bidder fails to: sign the Contract in accordance with ITB 47; or furnish a Performance Security in accordance with ITB 48;the Purchaser may, if provided for **in the BDS**, declare the Bidder disqualified to be awarded a contract by the Purchaser for a period of time as stated **in the BDS**.

21. Format and Signing of Bid

21.1. The Bidder shall prepare one original of the documents comprising the Bid as described in ITB 11 and clearly mark it “Original.” Alternative Bids, if permitted in accordance with ITB 13, shall be clearly marked “Alternative”. In addition, the Bidder shall submit copies of the Bid, in the number specified in the BDS and clearly mark them “Copy.” In the event of any discrepancy between the original and the copies, the original shall prevail.

21.2. Bidders shall mark as “CONFIDENTIAL” information in their Bids which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.

21.3. The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid where entries or amendments have been made shall be signed or initialed by the person signing the Bid.

21.4. In case the Bidder is a JV, the Bid 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 their legally authorized representatives.

21.5. Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. SUBMISSION AND OPENING OF BIDS**22. Submission, Sealing and Marking of Bids**

22.1. The Bidder shall deliver the Bid in a single, sealed envelope (one (1) envelope process). Within the single envelope the Bidder shall place the following separate, sealed envelopes:

- (a) in an envelope marked “ORIGINAL”, all documents comprising the Bid, as described in ITB 11; and
- (b) in an envelope marked “COPIES”, all required copies of the Bid; and,
- (c) if alternative Bids are permitted in accordance with ITB 13, and if relevant:
 - (i) in an envelope marked “ORIGINAL – ALTERNATIVE BID”, the alternative Bid; and

- (ii) in the envelope marked “COPIES – ALTERNATIVE BID” all required copies of the alternative Bid.

22.2. The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Purchaser in accordance with ITB 23.1;
- (c) bear the specific identification of this Bidding process indicated in accordance with ITB 1.1; and
- (d) bear a warning not to open before the time and date for Bid opening.

22.3. If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the Bid.

23. Deadline for Submission of Bids

23.1. Bids must be received by the Purchaser at the address and no later than the date and time indicated in the BDS. When so specified in the BDS, Bidders shall have the option of submitting their Bids electronically. Bidders submitting Bids electronically shall follow the electronic Bid submission procedures specified in the BDS.

23.2. The Purchaser may, at its discretion, extend this deadline for submission of Bids by amending the bidding documents in accordance with ITB 8, in which case all rights and obligations of the Purchaser and Bidders will thereafter be subject to the deadline as extended.

24. Late Bids

24.1. The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 23. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.

25. Withdrawal, Substitution, and Modification of Bids

25.1. A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 21.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Bid must accompany the respective written notice. All notices must be:

- (a) prepared and submitted in accordance with ITB 21 and ITB 22 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” “MODIFICATION;” and
- (b) received by the Purchaser prior to the deadline prescribed for submission of Bids, in accordance with ITB 23.

25.2. Bids requested to be withdrawn in accordance with ITB 25.1 shall be returned unopened to the Bidders.

25.3. No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of Bids and the date of expiry of the Bid validity specified by the Bidder on the Letter of Bid or any extended date thereof.

26. Bid Opening

26.1. Except as in the cases specified in ITB 24 and ITB 25.2, the Purchaser shall conduct the Bid opening in public, in the presence of Bidders' designated representatives and anyone who chooses to attend, and at the address, date and time specified in the BDS. Any specific electronic Bid opening procedures required if electronic bidding is permitted in accordance with ITB 23.1, shall be as specified in the BDS.

26.2. First, envelopes marked “Withdrawal” shall be opened and read out and the envelope with the corresponding Bid shall not be opened, but returned to the Bidder. No Bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Bid opening.

26.3. Next, envelopes marked “Substitution” shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Bid opening.

- 26.4. Envelopes marked “Modification” shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only Bids that are opened and read out at Bid opening shall be considered further.
- 26.5. Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Bidder and the Bid Price(s), including any discounts and alternative Bids, and indicating whether there is a modification; the presence or absence of a Bid Security or Bid-Securing Declaration; and any other details as the Purchaser may consider appropriate.
- 26.6. Only Bids, alternative Bids and discounts that are opened and read out at Bid opening shall be considered further in the evaluation. The Letter of Bid and the Price Schedules are to be initialed by representatives of the Purchaser attending Bid opening in the manner specified in the BDS.
- 26.7. The Purchaser shall neither discuss the merits of any Bid nor reject any Bid (except for late Bids, in accordance with ITB 24.1).
- 26.8. The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum:
 - (a) the name of the Bidder and whether there is a withdrawal, substitution, or modification;
 - (b) the Bid Price, per lot if applicable, including any discounts;
 - (c) any alternative Bids; and
 - (d) the presence or absence of a Bid Security or a Bid-Securing Declaration.
- 26.9. The Bidders’ representatives who are present shall be requested to sign the record. The omission of a Bidder’s signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

E. EVALUATION AND COMPARISON OF BIDS

27. Confidentiality

- 27.1. Information relating to the evaluation of Bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the Bidding process until the Notification of Intention to Award the Contract is transmitted to all Bidders in accordance with ITB 42.

- 27.2. Any effort by a Bidder to influence the Purchaser in the evaluation of the Bids or Contract award decisions may result in the rejection of its Bid.
- 27.3. Notwithstanding ITB 27.2, from the time of Bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the Bidding process, it should do so in writing.

28. Clarification of Bids

- 28.1. To assist in the examination, evaluation, and comparison of the Bids, and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the Bids, in accordance with ITB 32.
- 28.2. If a Bidder does not provide clarifications of its Bid by the date and time set in the Purchaser's request for clarification, its Bid may be rejected.

29. Deviations, Reservations, and Omissions

- 29.1. During the evaluation of Bids, the following definitions apply:
 - (a) “Deviation” is a departure from the requirements specified in the bidding document;
 - (b) “Reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and
 - (c) “Omission” is the failure to submit part or all of the information or documentation required in the bidding document.

30. Determination of Responsiveness

- 30.1. The Purchaser's determination of a Bid's responsiveness is to be based on the contents of the Bid itself, as defined in ITB 11.

- 30.2. A substantially responsive Bid is one that meets the requirements of the bidding 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 Information System specified in the Contract; or
 - (ii) limit in any substantial way, inconsistent with the bidding document, the Purchaser's rights or the Bidder's obligations under the proposed Contract; or
 - (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids.
- 30.3. The Purchaser shall examine the technical aspects of the Bid in particular, to confirm that all requirements of Section VII, Purchaser's Requirements have been met without any material deviation, reservation, or omission.
- 30.4. To be considered for Contract award, Bidders must have submitted Bids:
 - (a) for which detailed Bid evaluation using the same standards for compliance determination as listed in ITB 29 and ITB 30.3 confirms that the Bids are commercially and technically responsive, and include the hardware, Software, related equipment, products, Materials, and other Goods and Services components of the Information System in substantially the full required quantities for the entire Information System or, if allowed in the BDS ITB 35.8, the individual Subsystem, lot or slice Bid on; and are deemed by the Purchaser as commercially and technically responsive; and
 - (b) that offer Information Technologies that are proven to perform up to the standards promised in the bid by having successfully passed the performance, benchmark, and/or functionality tests the Purchaser may require, pursuant to ITB 39.3.

31. Nonmaterial Nonconformities

- 31.1. Provided that a Bid is substantially responsive, the Purchaser may waive any nonconformity in the Bid that does not constitute a material deviation, reservation or omission.

31.2. Provided that a Bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

31.3. Provided that a Bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component by adding the average price of the item or component quoted by substantially responsive Bidders. If the price of the item or component cannot be derived from the price of other substantially responsive Bids, the Purchaser shall use its best estimate.

32. Correction of Arithmetical Errors

32.1. Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- where there are errors between the total of the amounts given under the column for the price breakdown and the amount given under the Total Price, the former shall prevail and the latter will be corrected accordingly;
- where there are errors between the total of the amounts of Schedule Nos. 1 to 5 and the amount given in Schedule No. 6 (Grand Summary), the former shall prevail and the latter will be corrected accordingly; and
- if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

32.2. A Bidder shall be requested to accept the correction of arithmetical errors. Failure to accept the correction in accordance with ITB 32.1 shall result in the rejection of the Bid.

33. Conversion to Single Currency

33.1. For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as specified in the BDS.

34. Margin of Preference 34.1. No margin of domestic preference shall apply.

35. Evaluation of Bids 35.1. The Purchaser shall use the criteria and methodologies listed in this ITB and Section III, Evaluation and Qualification criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies the Purchaser shall determine the Most Advantageous Bid.

Preliminary Examination

35.2. The Purchaser will examine the bids, to determine whether they have been properly signed, whether required sureties have been furnished, whether any computational errors have been made, whether required sureties have been furnished and are substantially complete (e.g., not missing key parts of the bid or silent on excessively large portions of the Technical Requirements). In the case where a pre-qualification process was undertaken for the Contract(s) for which these bidding documents have been issued, the Purchaser will ensure that each bid is from a pre-qualified bidder and, in the case of a Joint Venture, that partners and structure of the Joint Venture are unchanged from those in the pre-qualification

Technical Evaluation

35.3. The Purchaser will examine the information supplied by the Bidders Pursuant to ITB 11 and ITB 16, and in response to other requirements in the Bidding document, taking into account the following factors:

- (a) overall completeness and compliance with the Technical Requirements; and deviations from the Technical Requirements;
- (b) suitability of the Information System offered in relation to the conditions prevailing at the site; and the suitability of the implementation and other services proposed, as described in the Preliminary Project Plan included in the bid;
- (c) achievement of specified performance criteria by the Information System;
- (d) compliance with the time schedule called for by the Implementation Schedule and any alternative time schedules offered by Bidders, as evidenced by a milestone schedule provided in the Preliminary Project Plan included in the bid;

- (e) type, quantity, quality, and long-term availability of maintenance services and of any critical consumable items necessary for the operation of the Information System;
- (f) any other relevant technical factors that the Purchaser deems necessary or prudent to take into consideration;
- (g) any proposed deviations in the bid to the contractual and technical provisions stipulated in the bidding documents.

35.4. If specified in the BDS, the Purchaser's evaluation of responsive Bids will take into account technical factors, in addition to cost factors. The scores to be given to technical factors and sub factors, and the weights to be assigned for the technical factors and cost are specified in the BDS. An Evaluated Bid Score (B) will be calculated for each responsive Bid using the formula, specified in Section III, Evaluation and Qualification Criteria, which permits a comprehensive assessment of the Bid cost and the technical merits of each Bid.

35.5. Where alternative technical solutions have been allowed in accordance with ITB 13, and offered by the Bidder, the Purchaser will make a similar evaluation of the alternatives. Where alternatives have not been allowed but have been offered, they shall be ignored.

Economic Evaluation

35.6. To evaluate a Bid, the Purchaser shall consider the following:

- (a) the Bid price, excluding provisional sums and the provision, if any, for contingencies in the Price Schedules;
- (b) price adjustment for correction of arithmetic errors in accordance with ITB 32.1;
- (c) price adjustment due to discounts offered in accordance with ITB 26.8;
- (d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 33; and
- (e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 31.3;
- (f) the evaluation factors indicated in Section III, Evaluation and Qualification Criteria.

35.7. If price adjustment is allowed in accordance with ITB 17.9, 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 taken into account in Bid evaluation.

35.8. The Purchaser will evaluate and compare the Bids that have been determined to be substantially responsive, pursuant to ITB 30. The evaluation will be performed assuming either that:

- (a) the Contract will be awarded to the Most Advantageous Bid for the entire Information System; or
- (b) if specified **in the BDS**, Contracts will be awarded to the Bidders for each individual Subsystem, lot, or slice defined in the Technical Requirements whose Bids result in the Most Advantageous Bid/Bids for the entire System.

In the latter case, discounts that are conditional on the award of more than one Subsystem, lot, or slice may be offered in Bids. Such discounts will be considered in the evaluation of bids as specified **in the BDS**.

36. Comparison of Bids

36.1. The Purchaser shall compare all substantially responsive Bids in accordance with ITB 35.6 to determine the lowest evaluated cost.

37. Abnormally Low Bids

37.1. An Abnormally Low Bid is one where the Bid price in combination with other constituent elements of the Bid appears unreasonably low to the extent that the Bid price raises material concerns as to the capability of the Bidder to perform the Contract for the offered Bid Price.

37.2. In the event of identification of a potentially Abnormally Low Bid, the Purchaser shall seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the bidding document.

37.3. After evaluation of the price analyses, in the event that the Purchaser determines that the Bidder has failed to demonstrate its capability to perform the Contract for the offered Bid Price, the Purchaser shall reject the Bid.

38. Unbalanced or Front Loaded Bids

38.1. If the Bid that is evaluated as the lowest evaluated cost is, in the Purchaser's opinion, seriously unbalanced or front loaded the Purchaser may require the Bidder to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the Bid prices with the scope of information systems, installations, proposed

methodology, schedule and any other requirements of the bidding document.

- 38.2. After the evaluation of the information and detailed price analyses presented by the Bidder, the Purchaser may:
 - (a) accept the Bid; or
 - (b) if appropriate, require that the total amount of the Performance Security be increased, at the expense of the Bidder, to a level not exceeding twenty percent (20%) of the Contract Price; or
 - (c) reject the Bid.

39. Eligibility and Qualification of the Bidder

- 39.1. The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive Bid is eligible and meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.
- 39.2. The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 15, as well as other information the Purchaser deems necessary and appropriate. This determination may include visits or interviews with the Bidder's clients referenced in its bid and site inspections.
- 39.3. Prior to Contract award, the Purchaser will verify that the successful Bidder (including each member of a JV) is not disqualified by the Bank due to noncompliance with contractual SEA/SH prevention and response obligations. The Purchaser will conduct the same verification for each subcontractor proposed by the successful Bidder. If any proposed subcontractor does not meet the requirement, the Purchaser will require the Bidder to propose a replacement subcontractor.
- 39.4. Unless otherwise specified in the BDS, the Purchaser will NOT carry out tests at the time of post-qualification, to determine that the performance or functionality of the Information System offered meets those stated in the Technical Requirements. However, if so specified in the BDS the Purchaser may carry out such tests as detailed in the BDS.
- 39.5. An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid, in which event the Purchaser shall proceed to the next lowest evaluated cost or best evaluated Bid, as the case may be, to make a similar

determination of that Bidder's qualifications to perform satisfactorily.

39.6. The capabilities of the manufacturers and subcontractors proposed by the Bidder that is determined to have offered the Most Advantageous Bid for identified major items of supply or services will also be evaluated for acceptability in accordance with Section III, Evaluation and Qualification Criteria. Their participation should be confirmed with a letter of intent between the parties, as needed. Should a manufacturer or subcontractor be determined to be unacceptable, the Bid will not be rejected, but the Bidder will be required to substitute an acceptable manufacturer or subcontractor without any change to the Bid price. Prior to signing the Contract, the corresponding Appendix to the Contract Agreement shall be completed, listing the approved manufacturers or subcontractors for each item concerned.

40. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids

40.1. The Purchaser reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all Bids submitted and specifically, Bid securities, shall be promptly returned to the Bidders.

41. Standstill Period

41.1. The Contract shall not be awarded earlier than the expiry of the Standstill Period. The Standstill Period shall be ten (10) Business Days unless extended in accordance with ITB 46. The Standstill Period commences the day after the date the Purchaser has transmitted to each Bidder the Notification of Intention to Award the Contract. Where only one Bid is submitted, or if this contract is in response to an emergency situation recognized by the Bank, the Standstill Period shall not apply.

42. Notification of Intention to Award

42.1. The Purchaser shall send to each Bidder the Notification of Intention to Award the Contract to the successful Bidder. The Notification of Intention to Award shall contain, at a minimum, the following information:

- (a) the name and address of the Bidder submitting the successful Bid;
- (b) the Contract price of the successful Bid;
- (c) the total combined score of the successful Bid;

- (d) the names of all Bidders who submitted Bids, and their Bid prices as readout and as evaluated prices and technical scores (if applicable);
- (e) a statement of the reason(s) the Bid (of the unsuccessful Bidder to whom the notification is addressed) was unsuccessful;
- (f) the expiry date of the Standstill Period; and
- (g) instructions on how to request a debriefing or submit a complaint during the standstill period;

F. AWARD OF CONTRACT

43. Award Criteria 43.1. Subject to ITB 40, the Purchaser shall award the Contract to the successful Bidder. This is the Bidder whose Bid has been determined to be the Most Advantageous Bid. The determination of the Most Advantageous Bid will be made in accordance to one of the two options as defined in the BDS. The methodology options are:

- (a) when **rated criteria are used**: The Bidder that meets the qualification criteria and whose Bid:
 - (i) is substantially responsive; and
 - (ii) is the best evaluated Bid (i.e. the Bid with the highest combined technical/quality/price score); or
- (b) when **rated criteria are not used**: The Bidder that meets the qualification criteria and whose Bid has been determined to be:
 - (i) substantially responsive to the bidding document; and
 - (ii) the lowest evaluated cost.

44. Purchaser's Right to Vary Quantities at Time of Award 44.1. The Purchaser reserves the right at the time of Contract award to increase or decrease, by the percentage(s) for items as indicated in the BDS.

45. Notification of Award

45.1. Prior to the date of expiry of the Bid validity and upon expiry of the Standstill Period, specified in ITB 41.1 or any extension thereof, and, upon satisfactorily addressing any complaint that has been filed within the Standstill Period, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter and in the Contract Forms called the “Letter of Acceptance”) shall specify the sum that the Purchaser will pay the Supplier in consideration of the execution of the Contract (hereinafter and in the Conditions of Contract and Contract Forms called “the Contract Price”).

45.2. Within ten (10) Business days after the date of transmission of the Letter of Acceptance, the Purchaser shall publish the Contract Award Notice which shall contain, at a minimum, the following information:

- (a) name and address of the Purchaser;
- (b) name and reference number of the contract being awarded, and the selection method used;
- (c) names of all Bidders that submitted Bids, and their Bid prices as read out at Bid opening, and as evaluated;
- (d) name of Bidders whose Bids were rejected and the reasons for their rejection;
- (e) the name of the successful Bidder, the final total contract price, the contract duration and a summary of its scope; and
- (f) successful Bidder’s Beneficial Ownership Disclosure Form, if specified in BDS ITB 47.1.

45.3. The Contract Award Notice shall be published on the Purchaser’s website with free access if available, or in at least one newspaper of national circulation in the Purchaser’s Country, or in the official gazette. The Purchaser shall also publish the Contract Award Notice in UNDB online.

45.4. Until a formal contract is prepared and executed, the Notification of Award shall constitute a binding Contract.

46. Debriefing by the Purchaser

46.1. On receipt of the Purchaser’s Notification of Intention to Award referred to in ITB 42, an unsuccessful Bidder has three (3) Business Days to make a written request to the Purchaser for a debriefing. The Purchaser shall provide a debriefing to all unsuccessful Bidders whose request is received within this deadline.

- 46.2. Where a request for debriefing is received within the deadline, the Purchaser shall provide a debriefing within five (5) Business Days, unless the Purchaser decides, for justifiable reasons, to provide the debriefing outside this timeframe. In that case, the standstill period shall automatically be extended until five (5) Business Days after such debriefing is provided. If more than one debriefing is so delayed, the standstill period shall not end earlier than five (5) Business Days after the last debriefing takes place. The Purchaser shall promptly inform, by the quickest means available, all Bidders of the extended standstill period.
- 46.3. Where a request for debriefing is received by the Purchaser later than the three (3) Business Day deadline, the Purchaser should provide the debriefing as soon as practicable, and normally no later than fifteen (15) Business Days from the date of publication of Public Notice of Award of contract. Requests for debriefing received outside the three (3)-day deadline shall not lead to extension of the standstill period.
- 46.4. Debriefings of unsuccessful Bidders may be done in writing or verbally. The Bidder shall bear their own costs of attending such a debriefing meeting.

47. Signing of Contract

- 47.1. The Purchaser shall send to the successful Bidder the Letter of Acceptance including the Contract Agreement, and, if specified in the BDS, a request to submit the Beneficial Ownership Disclosure Form providing additional information on its beneficial ownership. The Beneficial Ownership Disclosure Form, if so requested, shall be submitted within eight (8) Business Days of receiving this request.
- 47.2. The successful Bidder shall sign, date and return to the Purchaser, the Contract Agreement within twenty-eight (28) days of its receipt.
- 47.3. Notwithstanding ITB 47.2 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the Information System to be supplied, where such export restrictions arise from trade regulations from a country supplying those Information System, the Bidder shall not be bound by its Bid, always provided, however, that the Bidder can demonstrate to the satisfaction of the Purchaser and of the Bank that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for

permits, authorizations and licenses necessary for the export of the Information System under the terms of the Contract.

48. Performance Security

- 48.1. Within twenty-eight (28) days of the receipt of the Letter of Acceptance from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the General Conditions, subject to ITB 38.2 (b), using for that purpose the Performance Security Form included in Section X, Contract Forms, or another form acceptable to the Purchaser. If the Performance Security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Purchaser. A foreign institution providing a Performance Security shall have a correspondent financial institution located in the Purchaser's Country.
- 48.2. Failure of the successful Bidder 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 Bid Security. In that event the Purchaser may award the Contract to the Bidder offering the next Most Advantageous Bid.

49. Adjudicator

- 49.1. Unless the BDS states otherwise, the Purchaser proposes that the person named in the BDS be appointed as Adjudicator under the Contract to assume the role of informal Contract dispute mediator, as described in GCC Clause 43.1. In this case, a résumé of the named person is attached to the BDS. The proposed hourly fee for the Adjudicator is specified in the BDS. The expenses that would be considered reimbursable to the Adjudicator are also specified in the BDS. If a Bidder does not accept the Adjudicator proposed by the Purchaser, it should state its non-acceptance in its Bid Form and make a counterproposal of an Adjudicator and an hourly fee, attaching a résumé of the alternative. If the successful Bidder and the Adjudicator nominated in the BDS happen to be from the same country, and this is not the country of the Purchaser too, the Purchaser reserves the right to cancel the Adjudicator nominated in the BDS and propose a new one. If by the day the Contract is signed, the Purchaser and the successful Bidder have not agreed on the appointment of the Adjudicator, the Adjudicator shall be appointed, at the request of either party, by the Appointing Authority specified in the SCC clause relating to GCC Clause 43.1.4, or if no Appointing Authority is specified there, the Contract will be implemented without an Adjudicator.

**50. Procurement
Related
Complaint**

50.1. The procedures for making a Procurement-related Complaint are as specified in the BDS.

SECTION II - BID DATA SHEET (BDS)

The following specific data for the Information System to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions in the BDS shall prevail over those in ITB.

[Where an e-procurement system is used, modify the relevant parts of the BDS accordingly to reflect the e-procurement process]

[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB. The guidance text addressed to the Purchaser in the preparation of the bidding document should be removed by the Purchaser in the final version of the bidding document.]

ITB Reference	A. General
ITB 1.1	<p>The reference number of the Request for Bids is: <i>KE-WRA-531092-GO-RFB</i></p> <p>The Purchaser is: <i>Water Resources Authority</i></p> <p>The name of the RFB is: <i>Provision of Groundwater Information System ICT Infrastructure (Hardware Supply, Network Implementation, Related Software & Licenses, and Testing and Commissioning)</i></p> <p>The Purchaser <i>shall not</i> accept bid for multiple lots under this bidding document.</p>
ITB 1.3 (a)	<p>Electronic Procurement <i>shall not</i> be applicable to this procurement.</p> <p>The Purchaser shall use the following electronic-procurement system to manage this procurement process: <i>not applicable</i></p> <p>The electronic-procurement system shall be used to manage the following aspects of the Procurement process: <i>not applicable</i></p>
ITB 2.1	<p>The Borrower is: <i>The Government of the Republic of Kenya (GoK)</i>.</p> <p>Loan or Financing Agreement amount: <i>Euros 121.7 million</i></p> <p>The name of the Project is: <i>The Horn of Africa Groundwater for Resilience Project, Kenya. (P-174867)</i></p>
ITB 4.1	Maximum number of members in the JV shall be: <i>Two</i>
ITB 4.5	A list of debarred firms and individuals is available on the Bank's external website: <i>http://www.worldbank.org/debarr</i> .

B. Bidding Document	
ITB 7.1	<p>For <u>Clarification of Bid purposes</u> only, the Purchaser's address is:</p> <p>Attention: <i>Chief Executive Officer</i></p> <p>Address: <i>P.O BOX 45250-00100 Nairobi</i></p> <p>Floor/ Room number: <i>9th Floor SHA Building Wing B</i></p> <p>City: <i>Nairobi</i></p> <p>Postal Code: <i>[insert postal (ZIP) code, if applicable]</i></p> <p>Country: <i>Kenya</i></p> <p>Telephone: <i>+254 2732291, +254 2729048/9</i></p> <p>Electronic mail address: <i>procurement@wra.go.ke</i></p> <p>Requests for clarification should be received by the Purchaser no later than: <i>10 days prior to the deadline for submission of Bids in accordance with ITB 23.</i></p>
ITB 7.1	<p>Web page: <i>https://wra.go.ke</i></p>
ITB 7.4	<p>A Pre-Bid meeting <i>shall</i> take place at the following date, time and place:</p> <p>Date: <i>10th February 2026</i></p> <p>Time: <i>11:00AM</i></p> <p>Floor/ Room number: <i>WRA 9th Floor Boardroom in SHA building and a virtual link will be provided</i></p> <p>Water Resources Authority is inviting you to a scheduled Zoom meeting.</p> <p>Topic: PRE-BID MEETING FOR ISSUE OF SPECIFIC PROCUREMENT NOTICE</p> <p>Time: Feb 10, 2026 08:00 AM Nairobi</p> <p>Join Zoom Meeting</p> <p>https://zoom.us/j/97150170611?pwd=pSWlbxcQzB3lKwWVvaIIQ2MlTTvGGb.1</p> <p>Meeting ID: 971 5017 0611</p> <p>Passcode: 076074</p> <p>-</p> <p>Join instructions</p>

	<p>https://zoom.us/meetings/97150170611/invitations?signature=0Bd4XWehmz0BFjr6umHO5aaPNFjBJOmLNJD7T_A-t6k</p> <p>City: Nairobi</p> <p>Country: Kenya</p>
C. Preparation of Bids	
ITB 10.1	<p>The language of the Bid is: English</p> <p>All correspondence exchange shall be in English language.</p> <p>Language for translation of supporting documents and printed literature is English</p>
ITB 11.1 (k)	<p>The Bidder shall submit with its Bid the following additional documents:</p> <p>The additional documents shall include the following:</p> <ul style="list-style-type: none"> • Company Registration Certificate • Valid Business License • VAT Registration Certificate • Valid Tax Compliance Certificate • Manufacturer Authorizations forms • ICT Authority Accreditation Certificate • Must submit proof of similar supplies • Should comply with data protection act 20219 (Valid certificate a registration as data controller and data processor) <p>Code of Conduct for Supplier's Personnel (ES)</p> <p>The Bidder shall submit its Code of Conduct that will apply to the Supplier's Personnel (as defined in GCC sub-clause 1.1) employed in the execution of the Contract at the Project Site/s to ensure compliance with the Supplier's Environmental and/or Social obligations under the Contract, as applicable. The Bidder shall use for this purpose the Code of Conduct form provided in Section IV. No substantial modifications shall be made to this form, except that the Bidder may introduce additional requirements, including as necessary to take into account specific Contract issues/risks.</p> <p>Management Strategies and Implementation Plans (MSIP) to manage the (ES) risks</p> <p>The Bidder shall submit Management Strategies and Implementation Plans (MSIPs) to manage the following key Environmental and Social (ES) risks:</p> <p><i>[Note: insert name of any specific plan and risk/s informed by the relevant environmental and social assessment];</i></p>

	<i>[e.g. Sexual Exploitation, and Abuse (SEA) prevention and response action plan]; [specify any additional document not already listed in ITB 11.1 that must be submitted with the Bid]</i>
ITB 13.1	Alternative Bids are not permitted
ITB 13.2	Alternatives to the Time Schedule are not permitted .
ITB 13.4	Alternative technical solutions shall be permitted for the following parts of the Information System: none .
ITB 15.2	Prequalification has not been undertaken.
ITB 16.2 (a)	<p>In addition to the topics described in ITB Clause 16.2 (a), the Preliminary Project Plan must address the following topics:</p> <ul style="list-style-type: none"> (i) <i>Project Organization and Management Sub-Plan, including management authorities, responsibilities, and contacts, as well as task, time and resource-bound schedules (in GANTT format);</i> (ii) <i>Implementation Sub-Plan;</i> (iii) <i>Training Sub-Plan;</i> (iv) <i>Testing and Quality Assurance Sub-Plan;</i> (v) <i>Warranty Defect Repair and Technical Support Service Sub-Plan</i>
ITB 16.3	In the interest of effective integration, cost-effective technical support, and reduced re-training and staffing costs, Bidders shall offer the following items:
ITB 17.2	The Bidder must not bid Recurrent Cost Items
ITB 17.2	The Bidder must not bid for contracts for Recurrent Cost Items not included in the main Contract.
ITB 17.5	The Incoterms edition is: <i>Delivery Duty Paid</i> .
ITB 17.5 (a)	Named place of destination is: 33 WRA offices within, Kenya
ITB 17.6	Named place of final destination (or Project site) is: 23 WRA offices across the country
ITB 17.8	ITB 17.8 is modified as follows: <i>There are no modifications to ITB 17.8</i>

ITB 17.9	The prices quoted by the Bidder <i>shall not</i> be subject to adjustment during the performance of the Contract.
ITB 18.1	The Bidder <i>is</i> required to quote in the currency of the Purchaser's Country the portion of the Bid price that corresponds to expenditures incurred in that currency.
ITB 19.1	The Bid shall be valid until: <i>16th June 2026</i>
ITB 19.3 (a)	The Bid price shall be adjusted by the following factor(s): <i>not applicable</i>
ITB 20.1	A <i>Bid Security</i> <i>shall be</i> required. The amount and currency of the Bid Security shall be <i>KES 3,400,000.00(Kenya Shillings Three Million Four Hundred Thousand)</i>
ITB 20.3 (d)	Other types of acceptable securities: <i>None</i>
ITB 20.9	If the Bidder performs any of the actions prescribed in ITB 20.9 (a) or (b), the Purchaser will declare the Bidder ineligible to be awarded contracts by the Purchaser for a period of <i>three</i> years starting from the date the Bidder performs any of the actions.
ITB 21.1	In addition to the original of the Bid, the number of copies is: <i>One Scanned copy in USB memory clearly marked copy.</i>
ITB 21.3	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: <i>The Power of Attorney that demonstrates the person duly authorized to sign on behalf of the bidder.</i>

D. Submission and Opening of Bids

ITB 23.1	For Bid submission purposes only, the Purchaser's address is: <i>Water Resources Authority</i> Attention: <i>Chief Executive Officer</i> Street Address: <i>Ragati Road off Ngong Road</i> Floor/Room number: <i>SHA Building, 9th Floor Wing B</i> City: <i>NAIROBI</i> , Postal Code: <i>00100</i> Country: <i>KENYA</i> . The deadline for Bid submission is:
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	<p>Date: 11th March 2026 Time: 10:00AM</p>
ITB 23.1	Bidders <i>shall not</i> have the option of submitting their Bids electronically.
ITB 26.1	<p>The Bid opening shall take place at: Water Resources Authority Street Address: <i>Ragati Road off Ngong Road</i> Floor/Room number: <i>SHA Building, 9th Floor Wing B Room 1005</i> City : <i>Nairobi</i> Country: <i>Kenya</i> Date: 11th March 2026 Time: 10:00AM</p>
ITB 26.1	The electronic Bid opening procedures shall be: <i>not applicable.</i>
ITB 26.6	The Letter of Bid and Price Schedules shall be initialed by <i>3(Three)</i> representatives of the Purchaser conducting Bid opening.
E. Evaluation, and Comparison of Bids	
ITB 33.1	<p>The currency(ies) of the Bid shall be converted into a single currency as follows: <i>Kenya Shillings (KES)</i> The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies into a single currency is: <i>Kenya Shillings (KES)</i> The source of exchange rate shall be: Central Bank of Kenya http://www.centralbank.co.ke/rates/exchangeindex.asp The date for the exchange rate shall be: 10th March 2026</p>
ITB 35.4	<p>The Purchaser's evaluation of responsive Bids <i>will take</i> into account scored technical factors, in addition to cost factors. The technical factors (sub-factors) and the corresponding weight out of 100% are: Technical Factor <i>[insert technical factors and subfactors, as weight in %]</i> <i>appropriate]</i></p>

	<p><i>[The weights should be allocated in terms of the relative significance of the technical factors. Insert technical sub-factors and corresponding weights, as appropriate]</i></p> <p>The technical proposal scoring methodology is specified in Section III-Evaluation and Qualification Criteria.</p>
ITB 35.4	<p>Discount Rate (I) for net present value calculations of recurrent costs (if any) is <i>[insert discount rate]</i> percent per annum.</p> <p>If rated criterion is used:</p> <p>The weight to be given for cost, X is: <i>[indicate weight for cost such that weight for cost plus weight for total technical score is 1(one).]</i></p>
ITB 35.8	<p>Bids for Subsystems, lots, or slices of the overall Information System will not be accepted.</p> <p>Discounts that are conditional on the award of more than one Subsystem, lot, or slice may be offered in Bids and such discounts <i>[specify “shall” / “shall not”]</i> be considered in the price evaluation.</p> <p><i>[Note: Keeping a single Bid package obviously simplifies the evaluation and maintains clearer overall system implementation and warranty responsibilities. However, there may well be practical reasons to break a specific procurement package into parts that can be bid individually. If, therefore, Bids will be accepted for one or more individual Subsystems, lots, or slices of the total Information System, include here the title of each Subsystem, lot, or slice for which bids can be submitted, as well as proper cross references to the Technical Requirements where a description of each Subsystem, lot, or slice can be found. Any other criterion that may affect award of more than one Subsystem, lot, or slice should also be specified here.]</i></p> <p><i>[Note: When rated criteria are used for evaluation insert “shall not” as the evaluation becomes overly complex].</i></p>
ITB 39.3	<p>As additional qualification measures, the Information System (or components/parts of it) offered by the Bidder with the Most Advantageous Bid may be subjected to the following tests and performance benchmarks prior to Contract award: <i>[specify: measures that will be used in the evaluation of Bids, such as demonstration tests, performance benchmarks, documentation reviews, reference site visits, etc., and who will carry them out and how they will be conducted; otherwise state “none”].</i></p> <p><i>[Note: For demonstration or benchmark tests, specify full testing details and success criteria (alternatively, reference detailed discussion of testing in the Technical Requirements).]</i></p>

F. AWARD OF CONTRACT	
ITB 43	The award will be made on the basis of <i>not rated criteria</i> pursuant to ITB 35.7, if applicable, in accordance with Section III, Evaluation and Qualification Criteria.
ITB 44	The maximum percentage by which quantities may be increased is: 10% The maximum percentage by which quantities may be decreased is: 10% The items for which the Purchaser may increase or decrease the quantities are the following.
ITB 47.1	The successful Bidder <i>shall not</i> be required to submit the Beneficial Ownership Disclosure Form.
ITB 49	The Adjudicator proposed by the Employer is: Chartered Institute of Arbitrators of Kenya. The hourly fee for this proposed Adjudicator shall be: Architect Julius Muthui Mutunga FCIArb. The hourly fee for this proposed Adjudicator shall be: KES 25,000.00 The biographical data of the proposed Adjudicator is as follows: Holder of Bachelor's Degree in Architecture, Registered with Board of Registration of Architects and Quantity Surveyors and a Fellow Member of the Chartered Institute of Arbitrators (FCIArb).
ITB 50.1	The procedures for making a Procurement-related Complaint are detailed in the " <u>Procurement Regulations for IPF Borrowers</u> (Annex III)." A Procurement-related Complaint may challenge any of the following: The terms of the Bidding Documents; and The Purchaser's decision to award the contract. If a Bidder wishes to make a Procurement-related Complaint, the Bidder should submit its complaint following these procedures, in writing (by the quickest means available, that is either by email or fax), to: Mohamed M. Shurie, OGW, MBS Chief Executive Officer Water Resources Authority P.O Box 45250-00100 Nairobi, Kenya <u>Mohamed.Shurie@wra.go.ke</u> +254 2732291, +254 2729048/

SECTION III - EVALUATION AND QUALIFICATION CRITERIA (AFTER PREQUALIFICATION)

This Section contains the criteria that the Purchaser shall use to evaluate Bids and qualify Bidders. The Bidder shall provide all the information requested in the forms included in Section IV, Bidding Forms.

In addition to the criteria listed in ITB 35.3 (a) to (e), the following factors shall apply:

1. Technical Evaluation (ITB 35.3 and ITB 35.4)

If, in addition to the cost factors, the Purchaser has chosen to give weight to important technical factors (i.e., the price weight, X , is less than 1 in the evaluation), the total technical points assigned to each Bid in the Evaluated Bid Formula will be determined by adding and weighting the scores assigned by an evaluation committee to technical features of the Bid **in accordance with the BDS** and the scoring methodology below:

Technical proposal scoring methodology

- (a) During the evaluation process, the evaluation committee will assign each desirable/pREFERRED feature a whole number score from 0 to 4, where 0 means that the feature is absent, and 1 to 4 either represent predefined values for desirable features amenable to an objective way of rating (as is the case for, e.g., extra memory, or extra mass storage capacity, etc., if these extras would be conducive for the utility of the system), or if the feature represents a desirable functionality (e.g., of a software package) or a quality improving the prospects for a successful implementation (such as the strengths of the proposed project staff, the methodology, the elaboration of the project plan, etc., in the bid), the scoring will be 1 for the feature being present but showing deficiencies; 2 for meeting the requirements; 3 for marginally exceeding the requirements; and 4 for significantly exceeding the requirements.
- (b) The score for each feature (i) within a category (j) will be combined with the scores of features in the same category as a weighted sum to form the Category Technical Score using the following formula:

$$S_j \equiv \sum_{i=1}^k t_{ji} * w_{ji}$$

where:

t_{ji} = the technical score for feature “i” in category “j”

w_{ji} = the weight of feature “i” in category “j”
 k = the number of scored features in category “j”

and $\sum_{i=1}^k w_{ji} = 1$

(c) The Category Technical Scores will be combined in a weighted sum to form the total Technical Bid Score using the following formula:

$$T \equiv \sum_{j=1}^n S_j * W_j$$

where:

S_j = the Category Technical Score of category “j”
 W_j = the weight of category “j” as specified in the BDS
 n = the number of categories

and $\sum_{j=1}^n W_j = 1$

2. Economic Evaluation

The following factors and methods will apply:

(a) Time Schedule:

The number of weeks, from the effective date specified in Article 3 of the Contract Agreement, to achieve Operational Acceptance must be no more than: *[insert the number weeks, consistent with the Implementation Schedule]*.

A Bid offering to achieve Operational Acceptance earlier than the maximum number of weeks *[specify: shall not / shall]* be given credit for bid evaluation purposes.

If an adjustment for a proposed accelerated time schedule is specified above it shall be made accordingly: For evaluation purposes a *[specify: number]* percent reduction in the *[specify: overall / pro rata]*. Bid Price shall be made for each week the proposed achievement of the Operational Acceptance is advanced relative to the Implementation Schedule in the Purchaser’s Requirements up to a limit of *[specify: number]* weeks of acceleration.

If awarded the Contract, the Bidder’s accelerated Implementation Schedule would be formally incorporated into the Contract and this schedule shall govern the application of the contract clauses pertaining to Performance Security, liquidated damages as well as other relevant contract clauses.

(b) Recurrent Costs

Since the operation and maintenance of the system being procured form a major part of the implementation, the resulting recurrent costs will be evaluated according to the principles given hereafter, including the cost of recurrent cost items for the initial period of operation stated below, based on prices furnished by each Bidder in Price Schedule Nos. 3.3 and 3.5.

Recurrent cost items for post-warranty service period if subject to evaluation shall be included in the main contract or a separate contract signed together with the main contract.

Such costs shall be added to the Bid price for evaluation.

Option 1: The recurrent cost factors for calculation of the implementation schedule are:

- (i) number of years for implementation
- (ii) hardware maintenance
- (iii) software licenses and updates
- (iv) technical services
- (v) telecommunication services, and
- (vi) other services (if any).

The Recurrent Costs (R) are reduced to net present value and determined using the following formula:

$$R = \sum_{x=1}^N \frac{R_x}{(1+I)^x}$$

where

N = number of years of evaluated recurrent costs

x = an index number 1, 2, 3, ... N.

R_x = total Recurrent Costs for year “ x ,” as recorded in the Recurrent Cost Sub-Table.

I = discount rate to be used for the Net Present Value calculation, as specified **in the BDS for ITB 35.4.**

or Option 2:

[specify alternative recurrent cost evaluation scheme or state “none”]

(c) Specific additional criteria

The relevant evaluation method, if any, shall be as follows:

[specify evaluation method, otherwise state “Not Applicable”]

3. Technical alternatives

If invited in accordance with ITB 13.4, will be evaluated as follows: *[specify additional criteria or state “none”]*

4. Combined Evaluation

The Purchaser will evaluate and compare the Bids that have been determined to be substantially responsive, pursuant to ITB 30.

If indicated by the BDS, the Purchaser’s evaluation of responsive Bids will take into account technical factors, in addition to cost factors.

In such a case, an Evaluated Bid Score (B) will be calculated for each responsive Bid using the following formula (for comparison in percentages), which permits a comprehensive assessment of the Bid price and the technical merits of each Bid:

$$B \equiv \frac{C_{low}}{C} * X * 100 + \frac{T}{T_{high}} * (1 - X) * 100$$

where

C = Evaluated Bid Price

C_{low} = the lowest of all Evaluated Bid Prices among responsive Bids

T = the total Technical Score awarded to the Bid

T_{high} = the Technical Score achieved by the Bid that was scored best among all responsive Bids

X = weight for the Cost as specified in the BDS

The Bid with the best evaluated Bid Score (B) among responsive Bids shall be the Most Advantageous Bid provided the Bidder was prequalified and/or it was found to be qualified to perform the Contract in accordance with ITB 39.

5. Qualification

5.1 Update of Information

The Bidder and any subcontractors shall meet or continue to meet the criteria used at the time of prequalification.

5.2 Financial Resources

Using the relevant Form, No FIN 2.3.3 in Section IV, Bidding Forms, the Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet:

(i) the following cash-flow requirement:

and

(ii) the overall cash flow requirements for this contract and its current supply and services' commitment.

5.3 Key Personnel

The Bidder must demonstrate that it will have suitably qualified key personnel. The Bidder shall complete the relevant Forms in Section IV, Bidding Forms.

5.4 Subcontractors/vendors/manufacturers

Subcontractors/vendors/manufacturers for major items of supply or services identified in the prequalification document must meet or continue to meet the minimum criteria specified therein for each item.

Subcontractors for the following additional major items of supply or services must meet the following minimum criteria, herein listed for that item:

Item No.	Description of Item	Minimum Criteria to be met
1		
2		
3		
...		

Failure to comply with this requirement will result in the rejection of the subcontractor.

5.5 Manufacturer's authorization

For all powered (active) hardware and/or software components of the Information System which the Bidder does not itself produce, by submission of documentary evidence in its Bid, the Bidder must establish to the Purchaser's satisfaction that it is not prohibited to supply those components in the Purchaser's country under the Contract(s) that may result from this procurement.

- (i) In the case of powered (active) hardware and other powered equipment, this must be documented by including Manufacturer's Authorizations in the Bid (based on the sample found in the Sample Bid Forms in Section IV.);
- (ii) In the case of proprietary commercial software (i.e., excluding open source or "freeware" software) that the Bidder does not manufacture itself and for which the Bidder has or will establish an Original Equipment Manufacturer (OEM) relationship with the manufacturer, the Bidder must provide Manufacturer's Authorizations;
- (iii) In the case of proprietary commercial software (i.e., excluding open source or "freeware" software) that the Bidder does not manufacture itself and for which the Bidder does not or will not establish an OEM relationship with the manufacturer, the Bidder must document to the Purchaser's satisfaction that the Bidder is not excluded from sourcing these items from the manufacturer's distribution channels and proposing offering these items for supply in the Borrower's Country.
- (iv) In the case of open source software, the Bidder must identify the software item as open source and provide copies of the relevant open source license(s).

The Bidder is responsible for ensuring that the manufacturer or producer complies with the requirements of ITB 4 and ITB 5 and meets the minimum criteria listed above for that item.

5.6 Local Representative

In the case of a Bidder not doing business within the Purchaser's country, the Bidder shall submit documentary evidence in its Bid to establish to the Purchaser's satisfaction that it is or will be (if awarded the Contract) represented by an agent in that country who is equipped and able to carry out / manage the Bidder's maintenance, technical support, training, and warranty repair obligations specified in the Purchaser's Requirements (including any response time, problem-resolution norms or other aspects that may be specified in the Contract).

SECTION III - EVALUATION AND QUALIFICATION CRITERIA (WITHOUT PREQUALIFICATION)

This Section contains all the criteria that the Purchaser shall use to evaluate Bids and qualify Bidders. No other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in Section IV, Bidding Forms.

In addition to the criteria listed in ITB 35.3 (a) to (e), the following factors shall apply:

1. Technical Evaluation (ITB 35.3 and ITB 35.4)

If, in addition to the cost factors, the Purchaser has chosen to give weight to important technical factors (i.e., the price weight, X, is less than 1 in the evaluation), the total technical points assigned to each Bid in the Evaluated Bid Formula will be determined by adding and weighting the scores assigned by an evaluation committee to technical features of the Bid **in accordance with the BDS** and the scoring methodology below:

Technical proposal scoring methodology

- (a) During the evaluation process, the evaluation committee will assign each desirable/pREFERRED feature a whole number score from 0 to 4, where 0 means that the feature is absent, and 1 to 4 either represent predefined values for desirable features amenable to an objective way of rating (as is the case for, e.g., extra memory, or extra mass storage capacity, etc., if these extras would be conducive for the utility of the system), or if the feature represents a desirable functionality (e.g., of a software package) or a quality improving the prospects for a successful implementation (such as the strengths of the proposed project staff, the methodology, the elaboration of the project plan, etc., in the bid), the scoring will be 1 for the feature being present but showing deficiencies; 2 for meeting the requirements; 3 for marginally exceeding the requirements; and 4 for significantly exceeding the requirements.
- (b) The score for each feature (i) within a category (j) will be combined with the scores of features in the same category as a weighted sum to form the Category Technical Score using the following formula:

$$S_j \equiv \sum_{i=1}^k t_{ji} * w_{ji}$$

where:

t_{ji} = the technical score for feature “i” in category “j”

w_{ji} = the weight of feature “i” in category “j”

k = the number of scored features in category “j”

and $\sum_{i=1}^k w_{ji} = 1$

(c) The Category Technical Scores will be combined in a weighted sum to form the total Technical Bid Score using the following formula:

$$T \equiv \sum_{j=1}^n S_j * W_j$$

where:

S_j = the Category Technical Score of category “j”

W_j = the weight of category “j” as specified in the BDS

n = the number of categories

and $\sum_{j=1}^n W_j = 1$

2. Economic Evaluation

The following factors and methods will apply:

(a) Time Schedule:

The number of weeks, from the effective date specified in Article 3 of the Contract Agreement, to achieve Operational Acceptance must be no more than: *[insert the number weeks, consistent with the Implementation Schedule]*.

A Bid offering to achieve Operational Acceptance earlier than the maximum number of weeks *[specify: shall not / shall]* be given credit for bid evaluation purposes.

If an adjustment for a proposed accelerated time schedule is specified above it shall be made accordingly: For evaluation purposes a *[specify: number]* percent reduction in the *[specify: overall / pro rata]* Bid Price shall be made for each week the proposed achievement of the Operational Acceptance is advanced relative to the Implementation Schedule in the Purchaser’s Requirements up to a limit of *[specify: number]* weeks of acceleration.

If awarded the Contract, the Bidder’s accelerated Implementation Schedule would be formally incorporated into the Contract and this schedule shall govern the application of the contract clauses pertaining to Performance Security, liquidated damages as well as other relevant contract clauses.

(b) Recurrent Costs

Since the operation and maintenance of the system being procured form a major part of the implementation, the resulting recurrent costs will be evaluated according to the principles given hereafter, including the cost of recurrent cost items for the initial period of operation stated below, based on prices furnished by each Bidder in Price Schedule Nos. 3.3 and 3.5.

Recurrent cost items for post- warranty service period if subject to evaluation shall be included in the main contract or a separate contract signed together with the main contract.

Such costs shall be added to the Bid price for evaluation.

Option 1: The recurrent cost factors for calculation of the implementation schedule are:

- (i) number of years for implementation
- (ii) hardware maintenance
- (iii) software licenses and updates
- (iv) technical services
- (v) telecommunication services, and
- (vi) other services (if any).

The Recurrent Costs (R) are reduced to net present value and determined using the following formula:

$$R = \sum_{x=1}^N \frac{R_x}{(1+I)^x}$$

where

N = number of years of evaluated recurrent costs

x = an index number 1, 2, 3, ... N.

R_x = total Recurrent Costs for year “ x ,” as recorded in the Recurrent Cost Sub-Table.

I = discount rate to be used for the Net Present Value calculation, as specified in the BDS for ITB 35.4.

or Option 2:

[specify alternative recurrent cost evaluation scheme or state “none”]

(c) Specific additional criteria

The relevant evaluation method, if any, shall be as follows:

[specify evaluation method, otherwise state “Not Applicable”]

3. Technical alternatives

If invited in accordance with ITB 13.4, will be evaluated as follows: *[specify additional criteria or state “none”]*

4. Combined Evaluation

The Purchaser will evaluate and compare the Bids that have been determined to be substantially responsive, pursuant to ITB 30.

If indicated by the BDS, the Purchaser’s evaluation of responsive Bids will take into account technical factors, in addition to cost factors.

In such a case, an Evaluated Bid Score (B) will be calculated for each responsive Bid using the following formula, which permits a comprehensive assessment of the Bid price and the technical merits of each Bid:

$$B \equiv \frac{C_{low}}{C} X + \frac{T}{T_{high}} (1 - X)$$

where

C = Evaluated Bid Price

C_{low} = the lowest of all Evaluated Bid Prices among responsive Bids

T = the total Technical Score awarded to the Bid

T_{high} = the Technical Score achieved by the Bid that was scored best among all responsive Bids

X = weight for the Price as specified in the BDS

The Bid with the best evaluated Bid Score (B) among responsive Bids shall be the Most Advantageous Bid provided the Bidder was prequalified and/or it was found to be qualified to perform the Contract in accordance with ITB 39.

5. Qualification

Factor	5.1 ELIGIBILITY					
Sub-Factor	Requirement	Criteria			Documentation Required	
		Single Entity	Bidder			
			All members combined	Each member	At least one member	
5.1.1 Nationality	Nationality in accordance with ITB 4.4.	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Form ELI –5.1.1 and 5.1.2, with attachments
5.1.2 Conflict of Interest	No- conflicts of interests as described in ITB 4.2.	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Letter of Bid
5.1.3 Bank Ineligibility	Not having been declared ineligible by the Bank as described in ITB 4.5.	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Letter of Bid
5.1.4 State owned Entity of the Borrower country	Compliance with conditions of ITB 4.6	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Form ELI –5.1.1 and 5.1.2, with attachments

Factor	5.1 ELIGIBILITY						
Sub-Factor	Requirement	Criteria				Documentation Required	
		Bidder			Joint Venture (existing or intended)		
		Single Entity	All members combined	Each member	At least one member		
5.1.5 United Nations resolution or Borrower's country law	Not having been excluded as a result of prohibition in the Borrower's country laws or official regulations against commercial relations with the Bidder's country, or by an act of compliance with UN Security Council resolution, both in accordance with ITB 4.8	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Letter of Bid	

Factor	5.2 HISTORICAL CONTRACT NON-PERFORMANCE						
Sub-Factor	Requirement	Criteria				Documentation Required	
		Bidder			Joint Venture (existing or intended)		
		Single Entity	All members combined	Each member	At least one member		
5.2.1	History of non-performing contracts	Non-performance of a contract ¹ did not occur as a result of Bidder's default since 1st January 2022 .	Must meet requirement by itself or as member to past or existing JV	N / A	Must meet requirement ²	N / A	Form CON - 2
5.2.2	Suspension	Not under suspension based on execution of a Bid Securing Declaration or Proposal Securing Declaration pursuant to ITB 4.7 and ITB 20.10	Must meet requirement	N / A	Must meet requirement	N / A	Letter of Bid

¹ Nonperformance, as decided by the Purchaser, shall include all contracts where (a) nonperformance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Nonperformance shall not include contracts where Purchaser decision was overruled by the dispute resolution mechanism. Nonperformance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the applicant have been exhausted.

² This requirement also applies to contracts executed by the Applicant as JV member.

5.2.3 Pending Litigation	Bidder's financial position and prospective long term profitability still sound according to criteria established in 2.3.1 below and assuming that all pending litigation will be resolved against the Bidder.	Must meet requirement by itself or as member to past or existing JV	N / A	Must meet requirement	N / A	Form CON – 2
5.2.4 Litigation History	No consistent history of court/arbitral award decisions against the Bidder ³ since 1st January 2022	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form CON – 2
5.2.5 Bank's SEA and/or SH Disqualification ⁴	At the time of Contract Award, not subject to disqualification by the Bank for non-compliance with SEA/ SH obligations	Must meet requirement (including each subcontractor proposed by the Bidder)	N/A	Must meet requirement (including each subcontractor proposed by the Bidder)	N/A	Letter of Bid, Form CON-3

³ The Bidder shall provide accurate information on the related Letter of Bid about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last five years. A consistent history of awards against the Bidder or any member of a joint venture may result in failure of the Bid.

Factor	5.3 FINANCIAL SITUATION						
Sub-Factor	Requirement	Criteria				Documentation Required	
		Bidder			Joint Venture (existing or intended)		
		Single Entity	All members combined	Each member	At least one member		
5.3.1 Historical Financial Performance	Submission of audited balance sheets or if not required by the law of the Bidder's country, other financial statements acceptable to the Purchaser, for the last Three [3] years to demonstrate the current soundness of the Bidders financial position and its prospective long-term profitability.	Must meet requirement	N / A	Must meet requirement	N / A	Form FIN – 5.3.1 with attachments	
5.3.2 Average Annual Turnover	Minimum average annual turnover of KES 200,000,000.00 , calculated as total certified payments received for contracts in progress or completed, within the last Two (2) years	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN –5.3.2	

Factor	5.3 FINANCIAL SITUATION						
Sub-Factor	Requirement	Criteria				Documentation Required	
		Bidder			Joint Venture (existing or intended)		
		Single Entity	All members combined	Each member	At least one member		
5.3.3 Financial Resources	The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet the following cash-flow requirement for implementation of the tender. Cash flow must be an equivalent of at least KES 100,000,000.00	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN –5.3.3	

Factor	5.4 EXPERIENCE						
Sub-Factor	Requirement	Criteria				Documentation Required	
		Single Entity	Bidder				
			All members combined	Each member	At least one member		
5.4.1 General Experience	Experience under Information System contracts in the role of prime supplier, management contractor, JV member, or subcontractor for at least the last three [3] years prior to the applications submission deadline.	Must meet requirement	N / A	Must meet requirement	N / A	Form EXP-5.4.1	
5.4.2 Specific Experience	Participation as a prime supplier, management contractor, JV ⁵ member, sub-contractor, in at least Three (3) contracts within the last Three (3) years , with at least one contract having a value above KES 50,000,000.00 , that have been successfully and substantially completed and that are similar to the proposed Information System. <i>The supplier must have supplied and installed enterprise</i>	Must meet requirement	Must meet requirements	N / A	Must meet the following requirement <i>[specify any key requirement to be met by one member]</i>	Form EXP 5.4.2	

⁵ For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, and role and responsibilities shall be considered to meet this requirement.

Factor	5.4 EXPERIENCE						
Sub-Factor	Requirement	Criteria				Documentation Required	
		Single Entity	Bidder				
			Joint Venture (existing or intended)	All members combined	Each member	At least one member	
	<p><i>servers, storage, back up appliance and virtualization software].</i></p> <p>The successfully completed similar contracts shall be documented by a copy of an Operational acceptance certificate and LPO or Contract.</p>						

5.5 Key Personnel

The Bidder must demonstrate that it will have suitably qualified key personnel. The Bidder shall complete the relevant Forms in Section IV, Bidding Forms. The requirement for the key personnel will be as follows:

No.	Role	Academic Qualification	Professional Certifications	Experience & Core Competencies
1	Project Manager	Bachelor's Degree in IT, Computer Science, Engineering, or related field	ICT project management-related certifications (added advantage)	Minimum 10 years managing large ICT infrastructure projects; experience in data centers, structured cabling, networking, and cybersecurity
2	Systems Engineer	Bachelor's Degree in IT, Computer Engineering, or related field	Microsoft Server/Azure Administrator and VMware VCP (mandatory)	Minimum 5 years in enterprise server, storage, SAN, and virtualization environments; experience with high-availability clusters and backup systems
3	Network Engineer	Bachelor's Degree in IT, Telecommunications Engineering, or related field	CCNA (mandatory); CCNP for lead engineers; Fortinet NSE4/NSE5 or equivalent	Minimum 5 years in enterprise networking including routing, switching, VPNs, network segmentation, and firewall implementation
4	Structured Cabling Technicians	Diploma or Certificate in ICT, Telecommunications, or Electrical Engineering	Fluke DSX testing competency	Minimum 3 years' experience installing Cat6A and fiber cabling in accordance with TIA/EIA standards
5	Cybersecurity Specialist	Bachelor's Degree in Cybersecurity, IT, or related field	CEH and CompTIA Security+ or equivalent (mandatory); CISSP or CISMP (advantage)	Minimum 5 years in cybersecurity operations including EDR, firewall management, and incident response
6	Quality Assurance (QA) Engineer	Bachelor's Degree in IT, Engineering, or Quality Management	Relevant QA and compliance certifications (advantage)	Minimum 5 years in ICT quality assurance, infrastructure testing, and compliance audits

5.6 Subcontractors/vendors/manufacturers

Subcontractors/vendors/manufacturers for major items of supply or services identified in the prequalification document must meet or continue to meet the minimum criteria specified therein for each item.

Subcontractors for the following additional major items of supply or services must meet the following minimum criteria, herein listed for that item:

Item No.	Description of Item	Minimum Criteria to be met
1		
2		
3		
...		

Failure to comply with this requirement will result in the rejection of the subcontractor.

5.7 Manufacturer's authorization

For all powered (active) hardware and/or software components of the Information System which the Bidder does not itself produce, by submission of documentary evidence in its Bid, the Bidder must establish to the Purchaser's satisfaction that it is not prohibited to supply those components in the Purchaser's country under the Contract(s) that may result from this procurement.

- (i) In the case of powered (active) hardware and other powered equipment, this must be documented by including Manufacturer's Authorizations in the Bid (based on the form in Section IV);
- (ii) In the case of proprietary commercial software (i.e., excluding open source or "freeware" software) that the Bidder does not manufacture itself and for which the Bidder has or will establish an Original Equipment Manufacturer (OEM) relationship with the manufacture, the Bidder must provide Manufacture's Authorizations;
- (iii) In the case of proprietary commercial software (i.e., excluding open source or "freeware" software) that the Bidder does not manufacture itself and for which the Bidder does not or will not establish an OEM relationship with the manufacture, the Bidder must document to the Purchaser's satisfaction that the Bidder is not excluded from sourcing these items from the manufacturer's distribution channels and offering these items for supply in the Borrower's Country.

- (iv) In the case of open source software, the Bidder must identify the software item as open source and provide copies of the relevant open source license(s).

The Bidder is responsible for ensuring that the manufacturer or producer complies with the requirements of ITB 4 and ITB 5 and meets the minimum criteria listed above for that item.

5.8 Local Representation

In the case of a Bidder not doing business within the Purchaser's country, the Bidder shall submit documentary evidence in its Bid to establish to the Purchaser's satisfaction that it is or will be (if awarded the Contract) represented by an agent in that country who is equipped and able to carry out / manage the Bidder's maintenance, technical support, training, and warranty repair obligations specified in the Purchaser's Requirements (including any response time, problem-resolution norms or other aspects that may be specified in the Contract).

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Letter of Bid

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

The Bidder must prepare this Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: All italicized text is to help Bidders in preparing this form.

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

RFB No.: *[insert number of RFB process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative, otherwise state "not applicable"]*

We, the undersigned, declare that:

To: *[insert complete name of Purchaser]*

- (a) **No reservations:** We have examined and have no reservations to the bidding document, including Addenda issued in accordance with Instructions to Bidders (ITB 8);
- (b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) **Bid-Securing Declaration:** We have not been suspended nor declared ineligible by the Purchaser based on execution of a Bid-Securing Declaration or Proposal-Securing Declaration in the Purchaser's Country in accordance with ITB 4.7;
- (d) **Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment (SH):** *[select the appropriate option from (i) to (v) below and delete the others. In case of JV members and/or subcontractors, indicate the status of disqualification by the Bank of each JV member and/or subcontractor].*

We, including any of our subcontractors:

- (i) *[have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.]*
- (ii) *[are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.]*
- (iii) *[had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations, and were removed from the disqualification list. An arbitral award on the disqualification case has been made in our favor.]*

(e) **Conformity:** We offer to provide design, supply and installation services in conformity with the bidding document of the following: *[insert a brief description of the IS Design, Supply and Installation Services]*;

(f) **Bid Price:** The total price of our Bid, excluding any discounts offered in item (f) below is: *[Insert one of the options below as appropriate]*

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

Or

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

(g) **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 is shown below: *[Specify in detail the method that shall be used to apply the discounts]*;

(h) **Bid Validity:** Our Bid shall be valid until *[insert day, month and year in accordance with ITB 19.1]*, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(i) **Performance Security:** If our Bid is accepted, we commit to obtain a Performance Security in accordance with the bidding document;

(j) **One Bid Per Bidder:** We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other Bid(s) as a Joint Venture member, and meet the requirements of ITB 4.3, other than alternative Bids submitted in accordance with ITB 13;

(k) **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 World Bank Group or a debarment imposed by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Purchaser's Country laws or official regulations or pursuant to a decision of the United Nations Security Council;

(l) **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 ITB 4.6*];

(m) **Commissions, gratuities and fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the Bidding 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.”]

(n) **Binding Contract:** We understand that this Bid, 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;

(o) **Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Bid, the Most Advantageous Bid or any other Bid that you may receive; and

(p) **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.

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

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

Title of the person signing the Bid: *[insert complete title of the person signing the Bid]*

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

Date signed *[insert number]* day of *[insert month]*, *[insert year]*

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

**: Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid

PRICE SCHEDULE FORMS

Notes to Bidders on working with the Price Schedules

General

1. The Price Schedules are divided into separate Schedules as follows:
 - 3.1 Grand Summary Cost Table
 - 3.2 Supply and Installation Cost Summary Table
 - 3.3 Recurrent Cost Summary Table
 - 3.4 Supply and Installation Cost Sub-Table(s)
 - 3.5 Recurrent Cost Sub-Tables(s)
 - 3.6 Country of Origin Code Table

[insert: any other Schedules as appropriate]
2. The Schedules do not generally give a full description of the information technologies to be supplied, installed, and operationally accepted, or the Services to be performed under each item. However, it is assumed that Bidders shall have read the Technical Requirements and other sections of these bidding documents to ascertain the full scope of the requirements associated with each item prior to filling in the rates and prices. The quoted rates and prices shall be deemed to cover the full scope of these Technical Requirements, as well as overhead and profit.
3. If Bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with the Instructions to Bidders in the bidding documents prior to submitting their bid.

Pricing

4. Prices shall be filled in indelible ink, and any alterations necessary due to errors, etc., shall be initialed by the Bidder. As specified in the Bid Data Sheet, prices shall be fixed and firm for the duration of the Contract.
5. Bid prices shall be quoted in the manner indicated and in the currencies specified in ITB 18.1 and ITB 18.2. Prices must correspond to items of the scope and quality defined in the Technical Requirements or elsewhere in these bidding documents.
6. The Bidder must exercise great care in preparing its calculations, since there is no opportunity to correct errors once the deadline for submission of bids has passed. A single error in specifying a unit price can therefore change a Bidder's overall total bid price substantially, make the bid noncompetitive, or subject the Bidder to possible loss. The Purchaser will correct any arithmetic error in accordance with the provisions of ITB 32.
7. Payments will be made to the Supplier in the currency or currencies indicated under each respective item. As specified in ITB 18.2, no more than three foreign currencies may be used.

3.1 Grand Summary Cost Table

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
1	Enterprise Servers	Please refer to the Technical Specifications No. 3.1.1	Data Centre / Server Room	3		
2	Enterprise Storage Arrays	Please refer to the Technical Specifications No. 3.1.2	Data Centre / Server Room	2		
3	Backup Appliances and Software	Please refer to the Technical Specifications No. 3.1.3	Data Centre / Server Room	1		
4	Core Data Switches	Please refer to the Technical Specifications No. 3.1.4	Data Centre / Network Core	2		
5	Branch Access Switches	Please refer to the Technical Specifications No. 3.1.5	WRA Branch Offices / Network Closets	39		
6	SAN Switches	Please refer to the Technical Specifications No. 3.1.6	Data Centre / Storage Network	2		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
7	Identity and Access Management System	Please refer to the Technical Specifications No. 3.1.7	Data Centre / ICT Infrastructure	1		
8	Professional Business Laptops	Please refer to the Technical Specifications No. 3.1.8	Groundwater Officers / Field & Office Use	52		
9	Virtualization Software License	Please refer to the Technical Specifications No. 3.1.10	Data Centre / Server Virtualization Layer	1		
10	End Point Security	Please refer to the Technical Specifications No. 3.1.11	Enterprise Devices (Servers, PCs, Laptops)	200		
11	Data Collection Kits	Please refer to the Technical Specifications No. 3.1.12	Field Operations / Groundwater Monitoring	10		
12	Firewalls	Please refer to the Technical Specifications No. 3.1.13	Data Centre / Perimeter & WAN Security	2		
13	Enterprise Access Points	Please refer to the Technical Specifications No. 3.1.14	Headquarters, Basin & Regional Offices	86		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
14	Monochrome Multifunctional Printers	Please refer to the Technical Specifications No. 3.1.15	WRA Offices / Departments	18		
15	Card Printer	Please refer to the Technical Specifications No. 3.1.15.1	HR	1		
16	Multifunction Printer	Please refer to the Technical Specifications No. 3.1.15.1	HoAGW4RP	1		
17	Mobile Satellite Internet Devices	Please refer to the Technical Specifications No. 3.1.16	Remote Field Locations	2		
18	All-in-One (AIO) Computers	Please refer to the Technical Specifications No. 3.1.17	WRA Offices / Meeting Rooms	145		
19	Interactive Smart Boards	Please refer to the Technical Specifications No. 3.1.18	Boardrooms / Training Rooms	8		
20	Field Android GPS Mappers	Please refer to the Technical Specifications No. 3.1.19	Field Operations / GIS & Groundwater Mapping	40		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
21	Enterprise Installation Services	Please refer to the Technical Specifications No. 3.1.20	Data Centre & WRA Offices	1		
22	Grounding	Please refer to the Technical Specifications No. 3.2.1	Data Centre / Server Room	1		
23	Environmental Monitoring System	Please refer to the Technical Specifications No. 3.2.2	Data Centre / Server Room	1		
24	Fire-Rated Door	Please refer to the Technical Specifications No. 3.2.3	Data Centre / Server Room Entrance	1		
25	Cat6A Structured Cabling	Please refer to the Technical Specifications No. 3.2.4	Data Centre / Network Infrastructure	1		
26	Fiber Backbone (OM4)	Please refer to the Technical Specifications No. 3.2.5	Data Centre / Rack Interconnections	1 (Lot)		
27	Patch Panels (24-Port Cat6A)	Please refer to the Technical Specifications No. 3.2.6	Data Centre / Equipment Racks	8		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
28	Smart Power Distribution Units (PDUs)	Please refer to the Technical Specifications No. 3.2.7	Data Centre / Equipment Racks	6		
29	Wi-Fi Access Points	Please refer to the Technical Specifications No. 3.2.8	Data Centre & Technical Offices	10		
30	Wall-Mounted Cabinets	Please refer to the Technical Specifications No. 3.2.9	Data Centre / Network Points	3		
31	Structured Cabling Accessories	Please refer to the Technical Specifications No. 3.2.10	Data Centre / Cabling Infrastructure	1		
32	Data Centre Upgrade Works	Please refer to the Technical Specifications No. 3.2.11	Data Centre	1		
33	Computer Power Backup Devices	Please refer to the Technical Specifications No. 3.3.1	WRA Offices / User Workstations	145		
34	42U Enterprise Server Racks	Please refer to the Technical Specifications No. 3.3.2	Data Centre / Server Room	4		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
35	Rack Accessories	Please refer to the Technical Specifications No. 3.3.3	Data Centre / Server Racks	1		
36	Cable Containment System	Please refer to the Technical Specifications No. 3.3.4	Data Centre / Underfloor & Overhead Pathways	1		
37	Biometric Access Control Terminals	Please refer to the Technical Specifications No. 3.3.5.1	Data Centre & Restricted ICT Rooms	2		
38	Magnetic Locks	Please refer to the Technical Specifications No. 3.3.5.2	Data Centre & Restricted Access Doors	2		
39	Access Control Panel	Please refer to the Technical Specifications No. 3.3.5.3	Data Centre & Critical ICT Rooms	1		
40	Indoor Dome CCTV Cameras	Please refer to the Technical Specifications No. 3.3.5.4	Data Centre / Server Room / Restricted ICT Areas	6		
41	Network Video Recorder (NVR)	Please refer to the Technical Specifications No. 3.3.5.5	Data Centre / Security Monitoring Point	1		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
42	Backup UPS for Biometric & Security Systems	Please refer to the Technical Specifications No. 3.3.5.6	Data Centre / Security Equipment	1		
43	Patch Panels (Cat6A)	Please refer to the Technical Specifications No. 3.3.6.1	Communication Racks / Data Centre & Offices	43		
44	Faceplates with Cat6A Modules	Please refer to the Technical Specifications No. 3.3.6.2	User Workstations / Offices	587		
45	Cat6A Cable Rolls	Please refer to the Technical Specifications No. 3.3.6.3	Structured Cabling Infrastructure	64		
46	In-Rack Patch Cords (Cat6A)	Please refer to the Technical Specifications No. 3.3.6.4	Equipment Racks	750		
47	Workstation Patch Cords (Cat6A)	Please refer to the Technical Specifications No. 3.3.6.5	Offices / Workstations	760		
48	Cable Managers	Please refer to the Technical Specifications No. 3.3.6.6	Equipment Racks	24		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
49	42U Network Cabinets	Please refer to the Technical Specifications No. 3.3.6.7	Data Centre & Communication Rooms	12		
50	Office Structured Cabling Installations	Please refer to the Technical Specifications No. 3.3.6.9	Offices & Work Areas	23		
51	FM200 / NOVEC 1230 Fire Suppression System	Please refer to the Technical Specifications No. 3.3.7.1	Data Centre	1		
52	VESDA – Early Smoke Detection System	Please refer to the Technical Specifications No. 3.3.7.2	Data Centre	1		
53	Addressable Fire Alarm Control Panel	Please refer to the Technical Specifications No. 3.3.7.3	Data Centre / Fire Control Area	1		
54	Smoke & Heat Detectors	Please refer to the Technical Specifications No. 3.3.7.4	Data Centre & Protected Areas	12		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
55	Fire Piping – Cylinders, Nozzles & Distribution Network	Please refer to the Technical Specifications No. 3.3.7.5	Data Centre	1		
56	Emergency Power-Off (EPO) System	Please refer to the Technical Specifications No. 3.3.7.6	Data Centre / Emergency Points	1		
57	Precision Air Conditioning (PAC) Units	Please refer to the Technical Specifications No. 3.3.8.1	Data Centre	2		
58	Redundant Fans	Please refer to the Technical Specifications No. 3.3.8.2	Data Centre / Cooling Infrastructure	1		
59	Hot/Cold Aisle Containment System	Please refer to the Technical Specifications No. 3.3.8.3	Data Centre	1		
60	Temperature & Humidity Sensors	Please refer to the Technical Specifications No. 3.3.8.4	Data Centre / Racks & Aisles	6		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
61	Condenser Units	Please refer to the Technical Specifications No. 3.3.8.5	External / Cooling Plant Area	2		
62	Double-Conversion UPS System	Please refer to the Technical Specifications No. 3.3.9.1	Data Centre / Power Room	1		
63	Battery Bank	Please refer to the Technical Specifications No. 3.3.9.2	Data Centre / UPS Room	1		
64	Managed Power Distribution Units (PDUs)	Please refer to the Technical Specifications No. 3.3.9.3	Equipment Racks	6		
65	Surge Protection Devices (SPD)	Please refer to the Technical Specifications No. 3.3.9.4	Electrical Panels / Data Centre	1		
66	UPS Monitoring Module	Please refer to the Technical Specifications No. 3.3.9.5	Data Centre / Power Monitoring	1		
67	Automatic Transfer Switch (ATS)	Please refer to the Technical Specifications No. 3.3.9.6	Data Centre / UPS & Power Distribution Room	1		

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity	Unit cost	Total cost
68	Enterprise Windows Server License (Perpetual)	Please refer to the Technical Specifications No. 3.4.1	Data Centre / Server Virtualization Hosts	3		

		<i>[insert: Local Currency] Price</i>	<i>[insert: Foreign Currency A] Price</i>	<i>[insert: Foreign Currency B] Price</i>	<i>[insert: Foreign Currency C] Price</i>
1.	Supply and Installation Costs (from Supply and Installation Cost Summary Table)				

		<i>[insert: Local Currency] Price</i>	<i>[insert: Foreign Currency A] Price</i>	<i>[insert: Foreign Currency B] Price</i>	<i>[insert: Foreign Currency C] Price</i>
2.	Recurrent Costs (from Recurrent Cost Summary Table)				
4.	Grand Totals (to Bid Submission Form)				

Name of Bidder:		
Authorized Signature of Bidder:		

3.2 Supply and Installation Cost Summary Table

Costs MUST reflect prices and rates quoted in accordance with ITB 17 and 18.

			Supply & Installation Prices					
			Locally supplied items	Items supplied from outside the Purchaser's Country				
Line Item No.	Subsystem / Item	Supply and Installation Cost Sub-Table No.		[insert: Local Currency] Price	[insert: Local Currency] Price	[insert: Foreign Currency A] Price	[insert: Foreign Currency B] Price	[insert: Foreign Currency C] Price
0	Project Plan	--	--	--	--	--	--	--
1	Subsystem 1	1						
SUBTOTALS								
TOTAL (To Grand Summary Table)								

Note: -- indicates not applicable. "Indicates repetition of table entry above. Refer to the relevant Supply and Installation Cost Sub-Table for the specific components that constitute each Subsystem or line item in this summary table

Name of Bidder:		
Authorized Signature of Bidder:		

3.3 Recurrent Cost Summary Table

Costs MUST reflect prices and rates quoted in accordance with ITB 17 and ITB 18.

Line Item No.	Subsystem / Item	Recurrent Cost Sub-Table No.	[insert: Local Currency] Price	[insert: Foreign Currency A] Price	[insert: Foreign Currency B] Price	[insert: Foreign Currency C] Price
y	Recurrent Cost Items					
y.1	_____	y.1				
	Subtotals (to Grand Summary Table)					

Note: Refer to the relevant Recurrent Cost Sub-Tables for the specific components that constitute the Subsystem or line item in this summary table.

Name of Bidder:	
Authorized Signature of Bidder:	

3.4 Supply and Installation Cost Sub-Table [*insert: identifying number*]

Line item number: [*specify: relevant line item number from the Supply and Installation Cost Summary Table (e.g., 1.1)*]

Prices, rates, and subtotals MUST be quoted in accordance with ITB 17 and ITB 18.

Component No.	Component Description	Country of Origin Code	Quantity	Unit Prices / Rates				Total Prices			
				Supplied Locally	Supplied from outside the Purchaser's Country			Supplied Locally	Supplied from outside the Purchaser's Country		
				[insert: local currency]	[insert: local currency]	[insert: foreign currency A]	[insert: foreign currency B]	[insert: foreign currency C]	[insert: local currency]	[insert: local currency]	[insert: foreign currency A]
X.1	_____	--	--	--	--	--	--	--			
Subtotals (to [<i>insert: line item</i>] of Supply and Installation Cost Summary Table)											

Note: -- indicates not applicable.

Name of Bidder:	
Authorized Signature of Bidder:	

3.5 Recurrent Cost Sub-Table [*insert: identifying number*] -- Warranty Period

Lot number: [*if a multi-lot procurement, insert: lot number, otherwise state “single lot procurement”*]

Line item number: [*specify: relevant line item number from the Recurrent Cost Summary Table – (e.g., y.1)*]

Currency: [*specify: the currency of the Recurrent Costs in which the costs expressed in this Sub-Table are expressed*]

[*As necessary for operation of the System, specify: the detailed components and quantities in the Sub-Table below for the line item specified above, modifying the sample components and sample table entries as needed. Repeat the Sub-Table as needed to cover each and every line item in the Recurrent Cost Summary Table that requires elaboration.*]

Costs MUST reflect prices and rates quoted in accordance with ITB 17 and ITB 18.

Component No.	Component	Maximum all-inclusive costs (for costs in [<i>insert: currency</i>])						
		Y1	Y2	Y3	Y4	...	Yn	Sub-total for [<i>insert: currency</i>]
1.	Hardware Maintenance	Incl. in Warranty	Incl. in Warranty	Incl. in Warranty				
2.	Software Licenses & Updates	Incl. in Warranty						
2.1	System and General-Purpose Software	Incl. in Warranty						
2.2	Application, Standard and Custom Software	Incl. in Warranty						
3.	Technical Services							
3.1	Sr. Systems Analyst							

Component No.	Component	Maximum all-inclusive costs (for costs in [insert: currency])						
		Y1	Y2	Y3	Y4	...	Yn	Sub-total for [insert: currency]
3.2	Sr. Programmer							
3.3	Sr. Network Specialist, etc.							
4.	Telecommunications costs [to be detailed]							
5.	[Identify other recurrent costs as may apply]							
Annual Subtotals:								--
Cumulative Subtotal (to [insert: currency] entry for [insert: line item] in the Recurrent Cost Summary Table)								

Name of Bidder:	
Authorized Signature of Bidder:	

3.6 Country of Origin Code Table

FORM ELI 5.1.1- BIDDER INFORMATION FORM

[Note: The Bidder 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 Bid submission]*

RFB No.: *[insert number of Bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative] otherwise state “not applicable”*

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1. Bidder's Name <i>[insert Bidder'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. Bidder's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4. Bidder's year of registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Address in country of registration: <i>[insert Bidder's legal address in country of registration]</i>
<p>6. Bidder's Authorized Representative Information</p> <p>Name: <i>[insert Authorized Representative's name]</i></p> <p>Address: <i>[insert Authorized Representative's Address]</i></p> <p>Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i></p> <p>Email Address: <i>[insert Authorized Representative's email address]</i></p>
<p>7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i></p> <p><input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.4.</p> <p><input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1.</p> <p><input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITB 4.6 documents establishing:</p> <ul style="list-style-type: none"> • Legal and financial autonomy

- Operation under commercial law
- Establishing that the Bidder is not under the supervision of the Purchaser

8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. *[If required under BDS ITB 47.1, the successful Bidder shall provide additional information on beneficial ownership, using the Beneficial Ownership Disclosure Form.]*

FORM ELI 5.1.2- BIDDER'S JV MEMBERS INFORMATION FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated below.

The following table shall be filled in for the Bidder and for each member of a Joint Venture].

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

RFB No.: *[insert number of Bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative, otherwise state “not applicable”]*

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1. Bidder's Name: <i>[insert Bidder's legal name]</i>
2. Bidder's JV Member's name: <i>[insert JV's Member legal name]</i>
3. Bidder's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4. Bidder's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5. Bidder's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6. Bidder'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 *[check the box(es) of the attached original documents]*

- Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4.
- In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and they are not under the supervision of the Purchaser in accordance with ITB 4.6.

8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. *[If required under BDS ITB 47.1, the successful Bidder shall provide additional information on beneficial ownership for each JV member using the Beneficial Ownership Disclosure Form.]*

FORM CON – 2- HISTORICAL CONTRACT NON-PERFORMANCE, PENDING LITIGATION AND LITIGATION HISTORY

In case a prequalification process was conducted this form should be used only if the information submitted at the time of prequalification requires updating

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: _____ *[insert date]*

JV member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Non-Performed Contracts in accordance with Section III, Evaluation and Qualification Criteria			
<p><input type="checkbox"/> Contract non-performance did not occur since 1st January <i>[insert year]</i> specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 5.2.1.</p> <p><input type="checkbox"/> Contract(s) not performed since 1st January <i>[insert year]</i> specified in Section III, Evaluation and Qualification Criteria, requirement 5.2.1</p>			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and US\$ equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for nonperformance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
Pending Litigation, in accordance with Section III, Evaluation and Qualification Criteria			
<p><input type="checkbox"/> No pending litigation in accordance with Sub-Factor 5.2.3.</p> <p><input type="checkbox"/> Pending litigation in accordance with Sub-Factor 5.2.3 as indicated below.</p>			

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), USD Equivalent (exchange rate)
[specify year]	[specify amount and currency]	Contract Identification: [insert Contract ID] Name of Employer: [insert Name of Employer] Address of Employer: [insert Address of Employer] Matter in dispute: [describe Matter of dispute] Party who initiated the dispute: [specify Initiator of dispute] Status of dispute: [specify Status of dispute]	[specify total contract amount and currency, USD equivalent and exchange rate]
[specify year]	[specify amount and currency]	Contract Identification: [insert Contract ID] Name of Employer: [insert Name of Employer] Address of Employer: [insert Address of Employer] Matter in dispute: [describe Matter of dispute] Party who initiated the dispute: [specify Initiator of dispute] Status of dispute: [specify Status of dispute]	[specify total contract amount and currency, USD equivalent and exchange rate]
Litigation History in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> No Litigation History in accordance with Sub-Factor 5.2.4. <input type="checkbox"/> Litigation History in accordance with Sub-Factor 5.2.4 as indicated below.			
Year of award	Outcome as percentage of Net Worth	Contract Identification	Total Contract Amount (currency), USD Equivalent (exchange rate)
[specify year]	[specify percentage of net worth]	Contract Identification: [insert Contract ID] Name of Employer: [insert Name of Employer] Address of Employer: [insert Address of Employer]	[specify total contract amount and currency, USD equivalent and exchange rate]

FORM CON – 3

SEXUAL EXPLOITATION AND ABUSE (SEA) AND/OR SEXUAL HARASSMENT PERFORMANCE DECLARATION

[The following table shall be filled in by the Bidder, each member of a Joint Venture and each subcontractor proposed by the Bidder]

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member's or Subcontractor's Name: *[insert full name]*

RFB No. and title: *[insert RFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

SEA and/or SH Declaration in accordance with Section III, Qualification Criteria, and Requirements
We:
<input type="checkbox"/> (a) have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations
<input type="checkbox"/> (b) are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations
<input type="checkbox"/> (c) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations, and were removed from the disqualification list. An arbitral award on the disqualification case has been made in our favor.
<i>[If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]</i>

FORM EXP 5.4.1- GENERAL EXPERIENCE

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Startin g Month / Year	Ending Month / Year	Years *	Contract Identification	Role of Bidder
<i>[insert month / year]</i>	<i>[insert month / year]</i>	<i>[insert number of years]</i>	Contract name: <i>[insert Name of Contract]</i> Brief Description of the Information System performed by the Bidder: <i>[describe Information System]</i> Name of Purchaser: <i>[insert Name of Purchaser]</i> Address: <i>[insert Address of Purchaser]</i>	<i>[describe role of Bidder under the contract]</i>
<i>[insert month / year]</i>	<i>[insert month / year]</i>	<i>[insert number of years]</i>	Contract name: <i>[insert Name of Contract]</i> Brief Description of the Information System performed by the Bidder: <i>[describe Information System]</i> Name of Purchaser: <i>[insert Name of Purchaser]</i> Address: <i>[insert Address of Purchaser]</i>	<i>[describe role of Bidder under the contract]</i>
<i>[insert month / year]</i>	<i>[insert month / year]</i>	<i>[insert number of years]</i>	Contract name: <i>[insert Name of Contract]</i> Brief Description of the Information System performed by the Bidder: <i>[describe Information System]</i> Name of Purchaser: <i>[insert Name of Purchaser]</i> Address: <i>[insert Address of Purchaser]</i>	<i>[describe role of Bidder under the contract]</i>
<i>[insert month / year]</i>	<i>[insert month / year]</i>	<i>[insert number of years]</i>	Contract name: <i>[insert Name of Contract]</i> Brief Description of the Information System performed by the Bidder: <i>[describe Information System]</i> Name of Purchaser: <i>[insert Name of Purchaser]</i> Address: <i>[insert Address of Purchaser]</i>	<i>[describe role of Bidder under the contract]</i>

*List calendar year for years with contracts with at least nine (9) months activity per year starting with the earliest year

FORM EXP – 5.4.2- SPECIFIC EXPERIENCE

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Similar Contract Number: ____ of ____ required.	Information		
Contract Identification	<i>[insert Contract ID]</i>		
Award date	<i>[insert Date of Award]</i>		
Completion date	<i>[insert Date of Completion]</i>		
Role in Contract	<input type="checkbox"/> Prime Supplier	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
Total contract amount			
If member in a JV or subcontractor, specify participation of total contract amount			
Purchaser's Name:			
Address:			
Telephone/fax number:			
E-mail:			

FORM EXP – 5.4.2 (CONT.)- SPECIFIC EXPERIENCE (CONT.)

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Similar Contract No. <i>[insert specific number]</i> of <i>[insert total number of contracts]</i> required	Information
Description of the similarity in accordance with Sub-Factor 5.4.2 of Section III:	
Amount	<i>[insert contract amount and currency and USD equivalent and exchange rate]</i>
Geographical Scope	<i>[describe geographic scope of the users of the information system]</i>
Functional Scope	<i>[describe the functionalities provided by the information system]</i>
Methods/Technology	<i>[describe methodologies and technologies used to implement the information system]</i>
Key Activities	<i>[describe the key activities of the Bidder under the contract]</i>

FORM CCC- SUMMARY SHEET: CURRENT CONTRACT COMMITMENTS / WORK IN PROGRESS

[Bidders and each partner to an Joint Venture bid should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.]

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Name of contract	Purchaser, contact address/tel./fax	Value of outstanding Information System (current US\$ equivalent)	Estimated completion date	Average monthly invoicing over last six months (US\$ equivalent/month)
1. <i>[insert Name of Contract]</i>	<i>[insert Name of Purchaser, contact address, telephone / fax number]</i>	<i>[insert Total Outstanding Contract Value of the information system in USD equivalent and exchange rate]</i>	<i>[insert Estimated completion date]</i>	<i>[insert Average monthly invoices in USD equivalent and exchange rate]</i>
2. <i>[insert Name of Contract]</i>	<i>[insert Name of Purchaser, contact address, telephone / fax number]</i>	<i>[insert Total Outstanding Contract Value of the information system in USD equivalent and exchange rate]</i>	<i>[insert Estimated completion date]</i>	<i>[insert Average monthly invoices in USD equivalent and exchange rate]</i>
3. <i>[insert Name of Contract]</i>	<i>[insert Name of Purchaser, contact address, telephone / fax number]</i>	<i>[insert Total Outstanding Contract Value of the information system in USD equivalent and exchange rate]</i>	<i>[insert Estimated completion date]</i>	<i>[insert Average monthly invoices in USD equivalent and exchange rate]</i>
...				

FORM FIN – 5.3.1- FINANCIAL SITUATION: HISTORICAL FINANCIAL PERFORMANCE

To be completed by the Bidder and, if JV, by each member

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

Page _____ of _____ pages

Financial information in US\$ equivalent	Historic information for previous <i>[insert number]</i> years (US\$ equivalent in 000s)						
	Year 1	Year 2	Year 3	Year ...	Year n	Avg.	Avg. Ratio
Information from Balance Sheet							
Total Assets (TA)							
Total Liabilities (TL)							
Net Worth (NW)							
Current Assets (CA)							
Current Liabilities (CL)							
Information from Income Statement							
Total Revenue (TR)							
Profits Before Taxes (PBT)							

Attached are copies of financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following conditions:

- (a) Must reflect the financial situation of the Bidder or member to a JV, and not sister or parent companies
- (b) Historic financial statements must be audited by a certified accountant
- (c) Historic financial statements must be complete, including all notes to the financial statements

- (d) Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted)

FORM FIN – 5.3.2- AVERAGE ANNUAL TURNOVER

[To be completed by the Bidder and, if JV, by each member]

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Annual turnover data (applicable activities only)		
Year	Amount and Currency	US\$ equivalent
<i>[insert year]</i>	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>
<i>[insert year]</i>	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>
<i>[insert year]</i>	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>
<i>[insert year]</i>	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>
<i>[insert year]</i>	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>
<i>[insert year]</i>	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>
*Average Annual Turnover	<i>[insert amount and currency]</i>	<i>[insert amount in USD equivalent and exchange rate]</i>

*Average annual turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 5.3.2.

FORM FIN 5.3.3- FINANCIAL RESOURCES

To be completed by the Bidder and, if JV, by each member

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total cash flow demands of the subject contract or contracts as indicated in Section III, Evaluation and Qualification Criteria

Source of financing	Amount (US\$ equivalent)
1. <i>[describe type and source of available financing]</i>	<i>[insert amount of available financing in USD equivalent and exchange rate]</i>
2. <i>[describe type and source of available financing]</i>	<i>[insert amount of available financing in USD equivalent and exchange rate]</i>
3. <i>[describe type and source of available financing]</i>	<i>[insert amount of available financing in USD equivalent and exchange rate]</i>
4. <i>[describe type and source of available financing]</i>	<i>[insert amount of available financing in USD equivalent and exchange rate]</i>

PERSONNEL CAPABILITIES- KEY PERSONNEL

To be completed by the Bidder and, if JV, by each member

Bidder's Legal Name: *[insert Bidder's Legal Name]*

Date: *[insert Date]*

JV Member Legal Name: *[insert JV Member Legal Name]*

RFB No.: *[insert RFB number]*

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Bidders should provide the names and details of the suitably qualified Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Key Personnel

1.	Title of position: <i>[insert Title of position / role in team]</i>	
	Name of candidate: <i>[insert Name of Candidate]</i>	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment: for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
2.	Title of position: <i>[insert Title of position / role in team]</i>	
	Name of candidate: <i>[insert Name of Candidate]</i>	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment: for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
3.	Title of position: <i>[insert Title of position / role in team]</i>	

Name of candidate: <i>[insert Name of Candidate]</i>	
Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
Time commitment: for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>

Candidate Summary

To be completed by the Bidder and, if JV, by each member

Bidder's Legal Name: *[insert **Bidder's Legal Name**]*

Date: *[insert **Date**]*

JV Member Legal Name: *[insert **JV Member Legal Name**]*

RFB No.: *[insert **RFB number**]*

Page _____ of _____ pages

Position; <i>[insert Title of Position]</i>		Prime <input type="checkbox"/> Alternate
Candidate information	Name of candidate <i>[insert Name Candidate]</i>	Date of birth <i>[insert Date of Birth]</i>
Professional qualifications <i>[describe Professional qualifications]</i>		
Present employment	Name of Employer <i>[insert Name of Present Employer]</i>	
	Address of Employer <i>[insert Address of Present Employer]</i>	
	Telephone <i>[insert Telephone of Contact]</i>	Contact (manager / personnel officer) <i>[insert Name]</i>
	Fax <i>[insert fax of Contact]</i>	email <i>[insert email of Contact]</i>
	Job title of candidate <i>[insert Job Title Candidate]</i>	Years with present Employer <i>[insert Number of years]</i>

Summarize professional experience over the last twenty years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company/Project/ Position/Relevant technical and management experience
<i>[insert year]</i>	<i>[insert year]</i>	<i>[describe experience relevant to the proposed Contract under the RFB]</i>
<i>[insert year]</i>	<i>[insert year]</i>	<i>[describe experience relevant to the proposed Contract under the RFB]</i>
<i>[insert year]</i>	<i>[insert year]</i>	<i>[describe experience relevant to the proposed Contract under the RFB]</i>
<i>[insert year]</i>	<i>[insert year]</i>	<i>[describe experience relevant to the proposed Contract under the RFB]</i>

CODE OF CONDUCT FOR SUPPLIER'S PERSONNEL FORM

Note to the Purchaser:

The following minimum requirements shall not be modified. The Purchaser may add additional requirements to address identified issues, informed by relevant environmental and social assessment.

Delete this Box prior to issuance of the bidding documents.

Note to the Bidder:

The minimum content of the Code of Conduct form as set out by the Purchaser shall not be substantially modified. However, the Bidder may add requirements as appropriate, including to take into account Contract-specific issues/risks.

The Bidder shall initial and submit the Code of Conduct form as part of its bid.

CODE OF CONDUCT FOR SUPPLIER'S PERSONNEL

We are the Supplier, [enter name of Supplier]. We have signed a contract with [enter name of Purchaser] for [enter description of the Information System]. The Information System will be supplied to and installed at [enter the Project Site/s]. Our contract requires us to implement measures to address environmental and social risks.

This Code of Conduct identifies the behavior that we require from Supplier's Personnel employed in the execution of the Contract at the Project Site/s.

Our workplace is an environment where unsafe, offensive, abusive or violent behavior will not be tolerated and where all persons should feel comfortable raising issues or concerns without fear of retaliation.

REQUIRED CONDUCT

Supplier's Personnel employed in the execution of the Contract at the Project Site/s shall:

1. carry out his/her duties competently and diligently;
2. comply with this Code of Conduct and all applicable laws, regulations and other requirements, including requirements to protect the health, safety and well-being of other Supplier's Personnel and any other person;
3. maintain a safe working environment including by:

- a. ensuring that workplaces, machinery, equipment and processes under each person's control are safe and without risk to health;
- b. wearing required personal protective equipment;
- c. using appropriate measures relating to chemical, physical and biological substances and agents; and
- d. following applicable emergency operating procedures.

4. report work situations that he/she believes are not safe or healthy and remove himself/herself from a work situation which he/she reasonably believes presents an imminent and serious danger to his/her life or health;
5. treat other people with respect, and not discriminate against specific groups such as women, people with disabilities, migrant workers or children;
6. not engage in any form of sexual harassment including unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature with other Supplier's or Purchaser's Personnel;
7. not engage in Sexual Exploitation, which means any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another;
8. not engage in Sexual Abuse, which means the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions;
9. not engage in any form of sexual activity with individuals under the age of 18, except in case of pre-existing marriage;
10. complete relevant training courses that will be provided related to the environmental and social aspects of the Contract, including on health and safety matters, and Sexual Exploitation and Abuse, and Sexual Harassment (SH);
11. report violations of this Code of Conduct; and
12. not retaliate against any person who reports violations of this Code of Conduct, whether to us or the Purchaser, or who makes use of the grievance mechanism for Supplier's Personnel or the project's Grievance Redress Mechanism.

RAISING CONCERNS

If any person observes behavior that he/she believes may represent a violation of this Code of Conduct, or that otherwise concerns him/her, he/she should raise the issue promptly. This can be done in either of the following ways:

1. Contact *[enter name of the Supplier's Social Expert with relevant experience in handling sexual exploitation, sexual abuse and sexual harassment cases, or if such person is not required under the Contract, another individual designated by the Supplier to handle these matters]* in writing at this address [] or by telephone at [] or in person at []; or

2. Call [] to reach the Supplier's hotline (*if any*) and leave a message.

The person's identity will be kept confidential, unless reporting of allegations is mandated by the country law. Anonymous complaints or allegations may also be submitted and will be given all due and appropriate consideration. We take seriously all reports of possible misconduct and will investigate and take appropriate action. We will provide warm referrals to service providers that may help support the person who experienced the alleged incident, as appropriate.

There will be no retaliation against any person who raises a concern in good faith about any behavior prohibited by this Code of Conduct. Such retaliation would be a violation of this Code of Conduct.

CONSEQUENCES OF VIOLATING THE CODE OF CONDUCT

Any violation of this Code of Conduct by the Supplier's Personnel may result in serious consequences, up to and including termination and possible referral to legal authorities.

FOR SUPPLIER's PERSONNEL:

I have received a copy of this Code of Conduct written in a language that I comprehend. I understand that if I have any questions about this Code of Conduct, I can contact [*enter name of Supplier's contact person(s) with relevant experience*] requesting an explanation.

Name of Supplier's Personnel: *[insert name]*

Signature: _____

Date: (day month year): *[insert date]*

Countersignature of authorized representative of the Supplier:

Signature: _____

Date: (day month year): *[insert date]*

ATTACHMENT 1: Behaviors constituting SEA and behaviors constituting SH

ATTACHMENT 1 TO THE CODE OF CONDUCT FORM**BEHAVIORS CONSTITUTING SEXUAL EXPLOITATION AND ABUSE (SEA)
AND BEHAVIORS CONSTITUTING SEXUAL HARASSMENT (SH)**

The following non-exhaustive list is intended to illustrate types of prohibited behaviors.

(1) Examples of sexual exploitation and abuse include, but are not limited to:

- A Supplier's Personnel tells a member of the community that he/she can get them jobs related to the project site in exchange for sex.
- A Supplier's Personnel rapes, or otherwise sexually assaults a member of the community.
- A Supplier's Personnel denies a person access to the Project Site/s unless he/she performs a sexual favor.
- A Supplier's Personnel tells a person applying for employment under the Contract that he/she will only hire him/her if he/she has sex with him/her.

(2) Examples of sexual harassment in a work context

- A Supplier's Personnel comment on the appearance of another Supplier's Personnel (either positive or negative) and sexual desirability.
- When a Supplier's Personnel complains about comments made by another Supplier's Personnel on his/her appearance, the other Supplier's Personnel comment that he/she is “asking for it” because of how he/she dresses.
- Unwelcome touching of a Supplier's Personnel or Purchaser's Personnel by another Supplier's Personnel.
- A Supplier's Personnel tells another Supplier's Personnel that he/she will get him/her a salary raise, or promotion if he/she sends him/her naked photographs of himself/herself.

TECHNICAL CAPABILITIES

[Note: To be completed by the Bidder and, if JV, by each member]

Bidder's Legal Name: *[insert **Bidder's Legal Name**]*

Date: *[insert **Date**]*

JV Member Legal Name: *[insert **JV Member Legal Name**]*

RFB No.: *[insert **RFB number**]*

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The Bidder shall provide adequate information to demonstrate clearly that it has the technical capability to meet the requirements for the Information System. The Bidder should summarize important certifications, proprietary methodologies, and/or specialized technologies that the Bidder proposes to utilize in the execution of the Contract or Contracts.

MANUFACTURER'S AUTHORIZATION

[Note: This authorization should be written on the letterhead of the Manufacturer and be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]

Invitation for Bids Title and No.: *[Purchaser insert: RFB Title and Number]*

To: *[Purchaser insert: Purchaser's Officer to receive the Manufacture's Authorization]*

WHEREAS *[insert: Name of Manufacturer]* who are official producers of *[insert: items of supply by Manufacturer]* and having production facilities at *[insert: address of Manufacturer]* do hereby authorize *[insert: name of Bidder or Joint Venture]* located at *[insert: address of Bidder or Joint Venture]* (hereinafter, the “Bidder”) to submit a bid and subsequently negotiate and sign a Contract with you for resale of the following Products produced by us:

We hereby confirm that, in case the bidding results in a Contract between you and the Bidder, the above-listed products will come with our full standard warranty.

Name *[insert: Name of Officer]* in the capacity of *[insert: Title of Officer]*

Signed _____

Duly authorized to sign the authorization for and on behalf of: *[insert: Name of Manufacturer]*

Dated this *[insert: ordinal]* day of *[insert: month]*, *[insert: year]*.

[add Corporate Seal (where appropriate)]

SUBCONTRACTOR'S AGREEMENT

Note: *This agreement should be written on the letterhead of the Subcontractor and be signed by a person with the proper authority to sign documents that are binding on the Subcontractor.*

Invitation for Bids Title and No.: *[Purchaser insert: RFB Title and Number]*

To: *[Purchaser insert: Purchaser's Officer to receive the Subcontractor's Agreement]*

WHEREAS *[insert: Name of Subcontractor]*, having head offices at *[insert: address of Subcontractor]*, have been informed by *[insert: name of Bidder or Joint Venture]* located at *[insert: address of Bidder or Joint Venture]* (hereinafter, the “Bidder”) that it will submit a bid in which *[insert: Name of Subcontractor]* will provide *[insert: items of supply or services provided by the Subcontractor]*. We hereby commit to provide the above named items, in the instance that the Bidder is awarded the Contract.

Name *[insert: Name of Officer]* in the capacity of *[insert: Title of Officer]*

Signed _____

Duly authorized to sign the authorization for and on behalf of: *[insert: Name of Subcontractor]*

Dated this *[insert: ordinal]* day of *[insert: month]*, *[insert: year]*.

[add Corporate Seal (where appropriate)]

List of Proposed Subcontractors

INTELLECTUAL PROPERTY FORMS

Notes to Bidders on working with the Intellectual Property Forms

In accordance with ITB 11.1(j), Bidders must submit, as part of their bids, lists of all the Software included in the bid assigned to one of the following categories: (a) System, General-Purpose, or Application Software; (b) Standard or Custom Software; (c) Proprietary or Open Source. Bidders must also submit a list of all Custom Materials. These categorizations are needed to support the Intellectual Property in the GCC and SCC. The Bidder must also include the text of the software licenses for the software titles proposed.

Software List

	(select one per title)			(select one per title)		(select one per title)	
Title	System	General-Purpose	Application	Standard	Custom	Proprietary	Open Source
[insert Title]							
[insert Title]							
[insert Title]							
[insert Title]							
[insert Title]							
[insert Title]							

Attachments: Proposed Software Licenses

List of Custom Materials

Custom Materials
<i>[insert Title and description]</i>

CONFORMANCE OF INFORMATION SYSTEM MATERIALS

Format of the Technical Bid

In accordance with ITB 16.2, the documentary evidence of conformity of the Information System to the bidding documents includes (but is not restricted to):

- (a). The Bidder's Preliminary Project Plan, including, but not restricted, to the topics specified in the BDS ITB 16.2. The Preliminary Project Plan should also state the Bidder's assessment of the major responsibilities of the Purchaser and any other involved third parties in System supply and installation, as well as the Bidder's proposed means for coordinating activities by each of the involved parties to avoid delays or interference.
- (b). A written confirmation by the Bidder that, if awarded the Contract, it shall accept responsibility for successful integration and interoperability of all the proposed Information Technologies included in the System, as further specified in the Technical Requirements.
- (c). Item-by-Item Commentary on the Technical Requirements demonstrating the substantial responsiveness of the overall design of the System and the individual Information Technologies, Goods, and Services offered to those Technical Requirements.

In demonstrating the responsiveness of its bid, the Bidder must use the Technical Responsiveness Checklist (Format). Failure to do so increases significantly the risk that the Bidder's Technical Bid will be declared technically non-responsive. Among other things, the checklist should contain explicit cross-references to the relevant pages in supporting materials included the Bidder's Technical Bid.

Note: The Technical Requirements are voiced as requirements of the *Supplier* and/or the *System*. The Bidder's response must provide clear evidence for the evaluation team to assess the credibility of the response. A response of "yes" or "will do" is unlikely to convey the credibility of the response. The Bidder should indicate *that* – and to the greatest extent practical – *how* the Bidder would comply with the requirements if awarded the contract. Whenever the technical requirements relate to feature(s) of existing products (e.g., hardware or software), the features should be described and the relevant product literature referenced. When the technical requirements relate to professional services (e.g., analysis, configuration, integration, training, etc.) some effort should be expended to describe how they would be rendered – not just a commitment to perform the [cut-and-paste] requirement. Whenever a technical requirement is for the Supplier to provide certifications (e.g., ISO 9001), copies of these certifications must be included in the Technical Bid.

Note: The Manufacturer's Authorizations (and any Subcontractor Agreements) are to be included in Attachment 2 (Bidder Qualifications), in accordance with and ITB 15.

Note: As a matter of practice, the contract cannot be awarded to a Bidder whose Technical Bid deviates (materially) from the Technical Requirements – *on any Technical Requirement*. Such deviations include omissions (e.g., non-responses) and responses

that do not meet or exceed the requirement. Extreme care must be exercised in the preparation and presentation of the responses to all the Technical Requirements.

- (d). Supporting materials to underpin the Item-by-item Commentary on the Technical Requirements (e.g., product literature, white-papers, narrative descriptions of technical approaches to be employed, etc.). In the interest of timely bid evaluation and contract award, Bidders are encouraged not to overload the supporting materials with documents that do not directly address the Purchaser's requirements.
- (e). Any separate and enforceable contract(s) for Recurrent Cost items which the BDS ITB 17.2 required Bidders to bid.

Note: To facilitate bid evaluation and contract award, Bidders encouraged to provide electronic copies of their Technical Bid – preferably in a format that the evaluation team can extract text from to facilitate the bid clarification process and to facilitate the preparation of the Bid Evaluation Report.

Technical Responsiveness Checklist (Format)

Tech. Require. No. _	Technical Requirement: <i>[insert: abbreviated description of Requirement]</i>
	Bidder's technical reasons supporting compliance:
	Bidder's cross references to supporting information in Technical Bid:

[Note to the Purchaser: The Technical Responsiveness tables submitted by each Bidder can help structure the Purchaser's technical evaluation. In particular, the Purchaser can append rows to each of the Bidder's submitted responsiveness tables to record the Purchaser's assessment of the compliance, partial compliance, and non-compliance of the Bidder's response to the specific Technical Requirement – including the Purchaser's rationale for its conclusion (including, as appropriate, clear indications of the gaps in the Bidder's response/supporting documentation). These assessments can provide a standardized presentation of the detailed underlying logic of the Purchaser's final assessment of the responsiveness / non-responsiveness of the Bidder's technical proposal. Typically, the detailed response/assessment tables would appear as an attachment to the Bid Evaluation Report].

FORM OF BID SECURITY (BANK GUARANTEE)

[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[Purchaser to insert its name and address]*

RFB No.: *[Purchaser to insert reference number for the RFB]*

Alternative No.: *[Insert identification No if this is a Bid for an alternative]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

We have been informed that *[insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof]* (hereinafter called “the Applicant”) has submitted or will submit the Beneficiary its bid (hereinafter called “the Bid”) for the execution of *[insert Name of Contract]* under Request for Bids No. *[insert number]* (“the RFB”).

Furthermore, we understand that, according to the Beneficiary’s, Bids must be supported by a Bid guarantee.

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 *[insert amount in figures (insert amount in words)]* 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 the demand, stating that either the Applicant:

- (a) has withdrawn its Bid prior to the Bid validity expiry date set forth in the Applicant’s Letter of Bid, or any extended date provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary prior to the expiry date of the Bid validity or any extension thereof provided by the Applicant has failed to: (i) execute the Contract Agreement, if required, or (ii) furnish the performance security, in accordance with the Instructions to Bidders (“ITB”) of the Beneficiary’s bidding document.

This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security issued to the Beneficiary in relation to such Contract Agreement; or (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary’s notification to the Applicant of the results of the Bidding process; or (ii) twenty-eight days after the expiry date of the Bid validity.

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

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

[signature(s)]

FORM OF BID SECURITY (BID BOND)

BOND NO. *[insert number]*

BY THIS BOND *[insert Name]* as Principal (hereinafter called “the Principal”), and *[insert Name]*, **authorized to transact business in** *[insert Jurisdiction]*, as Surety (hereinafter called “the Surety”), are held and firmly bound unto *[insert Purchaser Name]* as Obligee (hereinafter called “the Purchaser”) in the sum of *[insert amount in figures]*¹ (*[insert amount in words]*), for the payment of which sum, well and truly to be made, we, the said Principal and Surety, bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted or will submit a written Bid to the Purchaser dated the *[insert ordinal number]* day of *[insert month]* *[insert year]*, for *[insert name of Contract]* (hereinafter called the “Bid”).

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal:

- (a) withdraws its Bid prior to the Bid validity expiry date set forth in the Principal’s Letter of Bid, or any extended date provided by the Principal; or
- (b) having been notified of the acceptance of its Bid by the Purchaser prior to the expiry date of the Bid validity or any extension thereto provided by the Applicant has failed to;
 - (i) execute the Contract Agreement, or (ii) furnish the Performance Security in accordance with the Instructions to Bidders (“ITB”) of the Purchaser’s bidding document.

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

The Surety hereby agrees that its obligation will remain in full force and effect up to and including the date 28 days after the date of expiry of the Bid validity set forth in the Principal’s Letter of Bid or extended thereto provided by the Principal.

¹ The amount of the Bond shall be denominated in the currency of the Purchaser’s Country or the equivalent amount in a freely convertible currency.

IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executed in their respective names this *[insert number]* day of *[insert month]* *[insert year]*.

Principal: _____

Surety: _____
Corporate Seal (where appropriate)

(Signature)

(Printed name and title)

(Signature)

(Printed name and title)

FORM OF BID-SECURING DECLARATION

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

Date: *[insert date (as day, month and year)]*

Bid No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding or submitting proposals in any contract with the Purchaser for the period of time specified in Section II – Bid Data Sheet, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) have withdrawn our Bid prior to the expiry date of the Bid validity specified in the Letter of Bid or any extended date provided by us; or
- (b) having been notified of the acceptance of our Bid by the Purchaser prior to the expiry date of the Bid validity in the Letter of Bid or any extended date provided by us, (i) fail to sign the Contract agreement; or (ii) fail or refuse to furnish the Performance Security, if required, in accordance with the ITB.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiry date of the Bid validity.

Name of the Bidder* *[insert Name of Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder** *[insert Name of authorized person]*

Title of the person signing the Bid *[insert Title of authorized person]*

Signature of the person named above _____

Date signed *[insert ordinal number]* day of *[insert month]* , *[insert year]*

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

**: Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid

[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members to the Joint Venture that submits the bid.]

SECTION V - ELIGIBLE COUNTRIES

Eligibility for the Provision of Information System

In reference to ITB 4.8 and ITB 5.1, for the information of the Bidders, at the present time firms and information systems from the following countries are excluded from this bidding process:

Under ITB 4.8(a) and ITB 5.1: *[insert a list of the countries following approval by the Bank to apply the restriction or state “none”]*.

Under ITB 4.8(b) and ITB 5.1: *[insert a list of the countries following approval by the Bank to apply the restriction or state “none”]*

SECTION VI - FRAUD AND CORRUPTION

(Section VI shall not be modified)

1. Purpose

1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements

2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders (applicants/proposers), consultants, contractors and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

2.2 To this end, the Bank:

- a. Defines, for the purposes of this provision, 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:
 - (a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation 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
 - (b) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 2.2 e. below.
- b. Rejects a proposal for award if the Bank determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-

contractors, 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;

- c. In addition to the legal remedies set out in the relevant Legal Agreement, may take other appropriate actions, including declaring misprocurement, if the Bank determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement process, selection and/or execution of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- d. Pursuant to the Bank’s Anti-Corruption Guidelines, and in accordance with the Bank’s prevailing sanctions policies and procedures, may sanction a firm or individual, either indefinitely or for a stated period of time, including by publicly declaring such firm or individual ineligible (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;¹ (ii) to be a nominated² sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project;
- e. Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (i) bidders (applicants/proposers), consultants, contractors, and suppliers, and their sub-contractors, sub-consultants, service providers, suppliers, agents personnel, permit the Bank to inspect³ 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 Bank.

¹ For the avoidance of doubt, a sanctioned party’s ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and bidding, 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 A nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider (different names are used depending on the particular bidding document) is one which has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

³ Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Bank or persons appointed by the Bank 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.

PART 2 – PURCHASER’S REQUIREMENTS

SECTION VII - REQUIREMENTS OF THE INFORMATION SYSTEM

(INCLUDING TECHNICAL REQUIREMENTS, IMPLEMENTATION SCHEDULE, SYSTEM INVENTORY TABLES, BACKGROUND AND INFORMATIONAL MATERIALS)

Notes on preparing the Requirements of the Information System

The Requirements of the Information System comprise four significant and closely related subsections:

- *Technical Requirements*
- *Implementation Schedule*
- *System Inventory Tables*
- *Background and Informational Materials*

Each subsection is presented and discussed separately

Technical Requirements

Notes on preparing the Technical Requirements

The Technical Requirements – in combination with the Implementation Schedule and the supporting System Inventory Tables – state the Supplier’s obligations to design, supply and install the Information System and, as such, should be “voiced” to the Supplier (i.e., “The System MUST ...” “The Supplier MUST ...”). They form the contractual basis for the Purchaser-Supplier interactions on technical matters (in combination with refinements introduced through the Supplier’s bid, the Project Plan, and any Change Orders).

The Technical Requirements also must include all the technical details that Bidders will need to prepare realistic, responsive, and competitive bids (i.e., covering all their obligations under the Contract if so awarded). However, matters addressed to the Bidder’s (i.e., before contract award) generally belong in the Format of the Technical Bid Section 8 of Part 1.

Often Technical Requirements are based on either consultant’s project proposals (voiced to the Purchaser’s management) or bids from previous procurements (voiced to the Purchaser). In both instances, care needs to be taken in converting these materials into Technical Requirements (voiced to the Supplier). Otherwise, substantial ambiguity will be introduced into the Technical Requirements from, among other things, “aspirational” text suggesting the benefits (to the Purchaser) which are often not obligations that the Supplier can deliver on or be held to deliver upon. Bid based language will often include “sales pitches”, such as “expandability up to sixteen processors”, whereas the Technical Requirements need to be stated as threshold values to be cleared by the Supplier (e.g., “expandability to at least sixteen processors”).

To the greatest extent possible, the Technical Requirements should be expressed in terms of the Purchaser’s business activities, rather than a technological design. This leaves it up to the market to determine what specific Information Technologies can best satisfy these business needs. This is particularly relevant where the Information System will embody complex business logic in the form of application software.

Even in the case of a relatively straight-forward Information System, where the business needs can be clearly linked to technological and methodological requirements known in advance of any bidding, the requirements must still be vendor-neutral and admit the widest possible range of technical responses.

Accordingly, references to brand names, catalog numbers, or other details that limit the source of any item or component to a specific manufacturer should be avoided. Where such references are unavoidable, the words “or substantially equivalent” should be added to permit Bidders to bid equivalent or superior technologies. (The Purchaser will need to be ready to indicate how this equivalence will be assessed.) Only in the most exceptional circumstances may Bidders be required to offer brand-name items and the equivalency clause be omitted. The World Bank’s consideration for exception requires that:

- (a) *a brand-name component appears to have no equivalent or superior alternative, because: of its unique ability to reliably interoperate with a relatively large base of existing technologies; to conform with the Purchaser’s adopted technological standards; and to offer overwhelming savings in terms of avoided costs for retraining, data conversion, macro / business template redevelopment, etc.;*
- (b) *the World Bank has agreed in advance, during project preparation, that such brand-name restrictions are warranted; and*

(c) such brand-name components are the absolute fewest possible and each component has been explicitly identified in the Bid Data Sheet for ITB 16.3.

Similarly, where national standards or codes of practice are specified, the Purchaser should include a statement that other national or international standards “that are substantially equivalent” will also be acceptable.

To help ensure comparable bids and ease Contract execution, the Purchaser’s requirements must be stated as clearly as possible, with minimum room for differing interpretations. Thus, wherever possible, technical requirements should include definitive characteristics and quantifiable measures. If technical characteristics in a specific range, or above or below specific thresholds, are required, then these should be clearly specified. For example, the expandability of a server should be stated as “no less than four processors.” Technical specifications that state only “four processors” create unnecessary uncertainty for Bidders regarding whether or not, for example, a server that could be expanded up to six processor boards would be technically responsive.

Quantitative technical specifications must, however, be employed with care. They can dictate technical architectures and, thus, be unnecessarily restrictive. For example, a quantitative requirement for the minimum width of the data path in a processor may be unnecessarily restrictive. Instead, a specification of a required level of standard performance benchmark test is more appropriate, allowing different technical approaches to achieving the Purchaser’s functional and performance objectives. In general, the Purchaser should try to use widely accepted direct measures of performance and functionality whenever possible and carefully review specifications for those that might dictate technical architectures.

It is important that the Technical Requirements clearly identify which are mandatory features (for which a bid’s nonconformance might require rejection for non-responsiveness) and which are preferable features that can be included or excluded from a bid at the Bidder’s option. To enhance the clarity of the specifications, Purchasers are advised to use the word “MUST” (in bold capitals) in sentences describing mandatory requirements. A clear requirements numbering scheme is also essential.

The following presents a sample outline format for the Technical Requirements Section. This can and should be adapted to meet the Purchaser’s needs for the specific Information System to be procured.

Any applicable sustainable procurement/environmental and social sustainability requirements shall be added to the technical requirements.

Any applicable environmental and social requirements shall be specified. The ES requirements should be prepared in manner that does not conflict with the relevant General Conditions (and the corresponding Particular Conditions if any) and other parts of the specifications.

3.0.4 below indicates noise levels and emission standard. Additional requirements as applicable may include, but not limited to, aspects related to the protection of the environment including management and safety of hazardous materials, resource efficiency and pollution prevention and management measures.

Technical Requirements

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A. ACRONYMS USED IN THE TECHNICAL REQUIREMENTS

0.1 Acronym Table

Note: *Compile a table of organizational and technical acronyms used in the Requirements. This can be done, for example, by extending the following table.*

	Term	Explanation
	bps	bits per second
	cps	characters per second
	DBMS	Database Management System
	DOS	Disk Operating System
	dpi	dots per inch
	Ethernet	IEEE 802.3 Standard LAN protocol
	GB	gigabyte
	Hz	Hertz (cycles per second)
	IEEE	Institute of Electrical and Electronics Engineers
	ISO	International Standards Organization
	KB	kilobyte
	kVA	Kilovolt ampere
	LAN	Local area network
	lpi	lines per inch
	lpm	lines per minute
	MB	megabyte
	MTBF	Mean time between failures
	NIC	Network interface card
	NOS	Network operating system
	ODBC	Open Database Connectivity
	OLE	Object Linking and Embedding
	OS	Operating system
	PCL	Printer Command Language
	ppm	pages per minute

	Term	Explanation
	PS	PostScript -- Adobe page description language
	RAID	Redundant array of inexpensive disks
	RAM	Random access memory
	RISC	Reduced instruction-set computer
	SCSI	Small Computer System Interface
	SNMP	Simple Network Management Protocol
	SQL	Structured Query Language
	TCP/IP	Transmission Control Protocol / Internet Protocol
	V	Volt
	WLAN	Wireless LAN

B. FUNCTIONAL, REGULATORY AND PERFORMANCE REQUIREMENTS

1.1 Legal and Regulatory Requirements to be met by the Hardware Bidder

- 1.1.1 The bidder MUST comply with the following laws and regulations: All hardware supply, installation, and commissioning activities shall comply with the laws, regulations, and standards in force in the Republic of Kenya, including but not limited to the following:
 - 1.1.1.1 *Energy Act, 2019 & EPRA Regulations: All electrical installations shall comply with the Energy Act, 2019 and be carried out by EPRA-licensed electrical contractors. Electrical works shall be inspected, tested, and certified in accordance with EPRA electrical installation rules and codes.*
 - 1.1.1.2 *Kenya Bureau of Standards (KEBS): All equipment supplied shall comply with applicable Kenya Standards (KS) and relevant international standards adopted by KEBS, including PVOC and Standardization Mark requirements where applicable.*
 - 1.1.1.3 *Occupational Safety and Health Act (OSHA), 2007: All installation activities shall comply with the Occupational Safety and Health Act, 2007, ensuring the safety and health of personnel through the provision and use of appropriate personal protective equipment and safe working procedures.*
 - 1.1.1.4 *National Construction Authority (NCA): All contractors undertaking infrastructure, electrical, or structured cabling works shall be registered with the National Construction Authority under the appropriate contractor category.*
 - 1.1.1.5 *Environmental Management and Coordination Act (EMCA), 1999: All works shall comply with the Environmental Management and Coordination Act, 1999 and NEMA regulations, including proper handling, storage, and disposal of electronic waste, batteries, and other environmentally sensitive materials.*
 - 1.1.1.6 *County Government & Fire Safety Regulations: All installations shall comply with applicable county government building codes and fire safety regulations, including requirements for fire detection, suppression, emergency access, and safe operation of data center facilities.*
 - 1.1.1.7 *Kenya Information and Communications Act (KICA), 1998 (as amended): All ICT systems, networks, and services shall comply with the Kenya Information and Communications Act, which*

governs the development, licensing, operation, and regulation of information and communication services in Kenya.

1.1.1.8 *Communications Authority of Kenya (CA) Regulations: All ICT, telecommunications, and networking equipment shall comply with Communications Authority of Kenya regulations, including type approval, licensing requirements, and operational technical standards where applicable.*

1.1.1.9 *Data Protection Act, 2019: All ICT systems involved in the collection, processing, storage, or transmission of personal data shall comply with the Data Protection Act, 2019, ensuring data privacy, security, lawful processing, and protection of data subject rights.*

1.1.1.10 *Access to Information Act, 2016: Public-sector ICT systems shall be implemented in a manner that supports transparency and lawful access to information in accordance with the Access to Information Act, while safeguarding protected and sensitive data.*

1.1.1.11 *Public Procurement and Asset Disposal Act, 2015 (where applicable): All ICT procurement, deployment, and asset management activities shall comply with the Public Procurement and Asset Disposal Act and related regulations.*

Note: If appropriate, prepare a subsection with the relevant legal codes and regulations to be included in the Background and Informational Materials and reference these materials.

1.2 Business Function Requirements to be met by the System

1.2.1 The Hardware System MUST support the following business functions

1.2.1.1 *Groundwater and Surface Water Resource Management: Support for the collection, storage, processing, and analysis of hydrological and hydrogeological data, including borehole records, abstraction points, aquifer monitoring, and water availability assessments.*

1.2.1.2 *Permit and Authorization Management: Enable digital processing, validation, storage, and lifecycle management of water abstraction permits, drilling authorizations, renewals, and compliance records.*

1.2.1.3 *Billing, Revenue Management, and Compliance Enforcement: Support automated billing, invoicing, revenue collection, reconciliation, and reporting for water use charges, abstraction fees, penalties, and compliance-based levies.*

1.2.1.4 *Monitoring, Inspection, and Compliance Operations: Enable field data capture, GIS mapping, meter readings, inspections,*

enforcement actions, and integration of monitoring data from WRUAs and field officers.

- 1.2.1.5 *Geographic Information Systems (GIS) and Spatial Analysis:*
Support hosting and processing of spatial datasets, maps, and analytics for catchments, aquifers, abstraction zones, monitoring stations, and protected areas.
- 1.2.1.6 *Decision Support, Planning, and Policy Formulation:* *Enable data-driven planning, modelling, analytics, dashboards, and reporting to support groundwater sustainability planning, climate resilience, and regulatory decision-making.*
- 1.2.1.7 *Integration with External Stakeholders and Systems:* *Support secure integration with WRUAs, county governments, national government systems, research institutions, and regional platforms through APIs and data exchanges.*
- 1.2.1.8 *Corporate Services and Internal Operations and Support WRA’s internal systems including finance, procurement, human resource systems, document management, collaboration platforms, and enterprise reporting.*
- 1.2.1.9 *Business Continuity and Disaster Recovery:* *Provide resilient, secure, and highly available infrastructure to ensure continuity of critical regulatory, operational, and revenue functions during system failures or disasters.*

Note: *These business process descriptions may be textual as well as presented in a formal system analysis formats (e.g., process model and data model, use-case model, entity-relation diagrams, swim-lane diagrams, etc.)*
As appropriate, prepare a subsection for the Background and Informational Materials with samples of existing standardized reports, data entry forms, data formats, data coding schemes, etc. which the Information System will need to implement; reference these materials.

C. SERVICE SPECIFICATIONS – SUPPLY & INSTALL ITEMS

2.1 System Analysis, Design and Customization/Development

- 2.1.1 The Supplier shall perform comprehensive system analysis, design, and configuration activities for all supplied hardware infrastructure, including data center facilities, servers, storage systems, network equipment, security appliances, power systems, and end-user equipment. These activities shall ensure that all hardware components are correctly sized, securely configured, fully integrated, and

aligned with the Purchaser’s operational, performance, security, and resilience requirements for the Ground Water Information System (GWIS).

2.1.1.1 Detailed Analysis: The Supplier shall conduct a detailed hardware infrastructure analysis prior to installation. This shall include assessment and documentation of power requirements, cooling loads, rack layouts, equipment placement, network topology, cabling routes, redundancy design, and physical security requirements. Deliverables shall include a Hardware Design Document, Infrastructure Requirements Specification, Interface and Connectivity Specifications, power and cooling calculations, and hardware test and acceptance plans. The analysis shall confirm compatibility between all hardware components and compliance with the approved specifications and standards before physical installation begins.

2.1.1.2 Physical Design: Based on the approved analysis, the Supplier shall prepare a detailed physical design for the hardware environment. This might include but not limited to, rack elevation diagrams, equipment placement layouts, structured cabling designs, fiber and copper interconnection diagrams, power distribution layouts, grounding and earthing designs, and physical security layouts. The physical design shall also define firmware baselines, hardware configuration parameters, redundancy models, and failover architecture for servers, storage, network devices, UPS, and cooling systems. All physical designs shall be approved by the Purchaser prior to implementation.]

2.1.1.3 Integrated Hardware System: Upon installation, the Supplier shall deliver a fully integrated hardware system in which all infrastructure components operate cohesively as a single production environment. This shall include configured enterprise servers, storage arrays, SAN switches, core and access switches, firewalls, UPS systems, precision cooling units, environmental monitoring systems, and physical security controls. The Supplier shall provide hardware configuration records, firmware inventories, asset registers, and operations manuals to support ongoing operation and maintenance.

2.2 Hardware Configuration and Platform Setup

2.1.1 The Supplier shall perform all required hardware configuration and platform setup activities using vendor-recommended and industry-standard practices. This shall include firmware installation and updates, hardware-level security configuration, BIOS and controller configuration, network device configuration, and baseline platform setup required to support enterprise workloads.

2.1.1.1 Configuration Standards and Tools: The Supplier shall apply structured configuration methodologies using manufacturer-

approved tools and utilities for servers, storage, network equipment, firewalls, UPS, and monitoring systems. All configurations shall be documented and aligned with resilience, performance, and security requirements, ensuring compatibility across hardware platforms and readiness for system commissioning and acceptance testing.

2.3 System Integration (Hardware Interoperability)

2.3.1 The Supplier shall ensure full hardware-level integration between all supplied infrastructure components and existing WRA facilities. This shall include integration of servers with storage and SAN infrastructure, network interconnection between data center and branch equipment, integration of firewalls with network core, and coordination of power, cooling, and monitoring systems. Integration shall ensure reliable communication, redundancy, centralized monitoring, and seamless operational control across the entire hardware environment.

2.4 Training and Training Materials

2.4.1 The Supplier shall provide training services and materials focused on the operation, administration, and maintenance of the supplied hardware systems. Training shall be tailored to the roles of users, technical staff, and management personnel.

2.4.1.1 User Training (Hardware Use): User training shall focus on safe and effective use of end-user equipment, basic awareness of data center and network services, and proper handling of supplied devices. Training shall include practical demonstrations and user reference materials relevant to daily operations.

2.4.1.2 Technical Training (Hardware Administration): Technical training shall be provided for ICT personnel responsible for administering the hardware infrastructure. This shall cover server hardware management, storage systems, network equipment, firewalls, UPS operation, environmental monitoring, and basic troubleshooting procedures. Training shall enable WRA staff to independently manage, monitor, and maintain the hardware environment post-handover.

2.4.1.3 Management Training (Infrastructure Oversight): Management-level training shall focus on infrastructure oversight, capacity planning, service availability, risk management, and governance of enterprise hardware systems. This training shall enable informed decision-making regarding infrastructure utilization, expansion, and lifecycle management.

2.5 Data Conversion and Migration

2.5.1 The Supplier shall support data migration activities by ensuring hardware readiness, including storage provisioning, performance validation, redundancy configuration, and backup readiness. The Supplier shall validate that the hardware environment can securely host migrated data and sustain operational workloads without degradation or data loss.

2.6 Documentation Requirements

2.6.1 The Supplier shall prepare and deliver complete hardware documentation to support operation, maintenance, and future expansion of the infrastructure.

2.6.1.1 End-User Hardware Documentation: End-user documentation shall cover basic usage, safety, and care of supplied equipment, including desktops, laptops, printers, and peripherals. Documentation shall be clear, accessible, and provided in approved formats.

2.6.1.2 Technical Hardware Documentation: Technical documentation shall include hardware architecture diagrams, rack layouts, cabling schedules, power and cooling designs, firmware and configuration records, maintenance procedures, and warranty details. Documentation shall be provided in electronic formats and shall support long-term operation and asset management of the GWIS hardware infrastructure.

2.7 Requirements of the Supplier’s Technical Team

2.7.1 The Supplier MUST maintain a technical team of the following roles and skill levels during the Supply and Installation Activities under the Contract:

2.7.1.1 **Project Manager:** Bachelor’s Degree in IT, Computer Science, Engineering, or a related field; minimum of ten (10) years’ experience managing large-scale ICT infrastructure projects; demonstrated successful experience in data centre implementation, structured cabling, enterprise networking, and cybersecurity projects; certification in ICT project management-related disciplines will be an added advantage

2.7.1.2 **Systems Engineer:** Bachelor’s Degree in IT, Computer Engineering, or a related field; Microsoft Server/Azure Administrator and VMware VCP certifications (mandatory); minimum of five (5) years’ experience in enterprise server, storage, SAN, and virtualization environments; demonstrated successful experience in implementing high-availability clusters and enterprise backup and recovery systems.

2.7.1.3 Network Engineer: Bachelor’s Degree in IT, Telecommunications Engineering, or a related field; CCNA certification (mandatory) and CCNP certification for lead engineers; minimum of five (5) years’ experience in enterprise networking environments including routing, switching, VPNs, and network segmentation; demonstrated successful experience with firewall technologies, preferably Fortinet NSE4/NSE5 or equivalent.

2.7.1.4 Structured Cabling Technician: Diploma or Certificate in ICT, Telecommunications, or Electrical Engineering; Fluke DSX cable testing competency; minimum of three (3) years’ experience installing Cat6A and fiber optic cabling in accordance with TIA/EIA standards; demonstrated successful experience in structured cabling projects within data center or enterprise environments.

2.7.1.5 Cybersecurity Specialist: Bachelor’s Degree in Cybersecurity, IT, or a related field; CEH and CompTIA Security+ certifications or equivalent (mandatory); CISSP or CISM certification will be an added advantage; minimum of five (5) years’ experience in cybersecurity operations; demonstrated successful experience in endpoint detection and response (EDR), firewall management, and incident response.

2.7.1.3 Quality Assurance (QA) Engineer: Bachelor’s Degree in IT, Engineering, or Quality Management; minimum of five (5) years’ experience in ICT quality assurance; demonstrated successful experience in infrastructure testing, system validation, and compliance audits against applicable ICT and security standards.

D. TECHNOLOGY SPECIFICATIONS – SUPPLY & INSTALL ITEMS

3.0 General Technical Requirements

- 3.0.1 Language Support: All information technologies must provide support for the English. Specifically, all display technologies and software must support the ISO /IEC 10646 (Unicode UTF-8) character set and perform sorting according to **Unicode Collation Algorithm (UCA)** standards.
- 3.0.2 Electrical Power: All active (powered) equipment must operate on 220–240V AC ±20V, 50Hz ±2Hz. All active equipment must include power plugs standard in BS 1363 (Type G – UK standard) suitable for use in Kenya.
- 3.0.3 Environmental: Unless otherwise specified, all equipment must operate in environments of operating temperature maintained between (18°C and 27°C) ±5°C, relative humidity controlled between (40% and 60%)±20%

(non-condensing) with a maximum dew point of 15°C, and air quality maintained at ISO 14644-1 Class 8 or better, free from conductive dust and contaminants.

3.0.4 Safety:

3.0.4.1 Unless otherwise specified, all equipment must operate at noise levels no greater than 65 decibels.

3.0.4.2 All electronic equipment that emits electromagnetic energy must be certified as meeting FCC Class B, EN 55022, EN 55032, and EN 55035, or equivalent, emission standards.

3.1 Computing Hardware Specifications

(NB: Failure to meet any of the specifications will lead to supplier being declared non responsive. The supplier must provide relevant brochures of proposed hardware and Manufacturer Authorization Forms. Also note the supplier must indicate under each component Met/NotMet/Partially Met, with a reference to matching specifications in the provided brochures)

3.1.1 **Enterprise Server Detailed Specs (Qty-3):** Below is the specification for each of the servers. The supplier will supply all servers as per the provided specifications below:

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Server Chassis	2U chassis supporting up to 12×3.5" SAS/SATA & 4×2.5" rear NVMe	1	
2	TPM	Trusted Platform Module 2.0	1	
3	CPU 1	Intel Xeon Silver 4410Y (12C/24T, Turbo, DDR5-4000)	1	
4	CPU 2	Intel Xeon Silver 4410Y (12C/24T, Turbo, DDR5-4000)	1	
5	Thermal Configuration	Dual-CPU heatsink for CPUs >165W	1	
6	DIMM Type	5600MT/s RDIMMs	1	
7	Memory	64GB RDIMM, 5600MT/s, Dual Rank	8	
8	RAID Controller	PERC H755 Adapter LP	1	

9	HDD Tier	2TB SAS 12Gbps 7.2K 3.5" Hot-Plug HDD	7	
10	NVMe Tier	3.2TB U.2 NVMe Mixed-Use SSD Gen4	4	
11	BIOS Settings	Power-saving configuration	1	
12	Boot Mode	UEFI with GPT partition	1	
13	Fans	High-performance fans (6-pack)	1	
14	Power Supply	Dual hot-plug redundant 800W PSUs	1	
15	Power Cords	C13/C14 jumper cords, 0.6m	2	
16	PCIe Riser	2×8 FH (Gen5) + 2×16 LP (Gen4) riser	1	
17	OCP NIC	Dual-port 10/25GbE SFP28 OCP 3.0 NIC	1	
18	Additional NIC	Dual-port 1GbE LOM	1	
19	Fibre Channel HBA	Dual-port 32Gb FC HBA	1	
20	GPU/FPGA Cables	None required	1	
21	DPU Cables	None required	1	
22	Bezel	Standard 2U bezel	1	
23	Boot Card	BOSS blank module	1	
24	DAC Cables	25GbE SFP28 passive copper cable, 5m	2	
25	Optics	25GbE SFP28 SR transceivers	2	
26	Operating System	No OS preinstalled	1	
27	Media Kit	No media	1	
28	Management	iDRAC9 Enterprise	1	
29	Connectivity Client	Enabled	1	
30	Secure Onboarding	Disabled	1	

31	Quick Sync	Disabled	1	
32	Password Policy	Forced password change	1	
33	Group Manager	Disabled	1	
34	Rack Rails	Sliding rails without CMA	1	
35	Accessories	HDD fan foam	1	
36	Documentation	No documentation kit	1	
37	Shipping	Standard R760 EMEA packaging	1	
38	Labeling	Standard ship box label	1	
39	Regulatory	CCC only (No CE/BIS)	1	
40	ECCN	Declined	1	
41	Base Warranty	12-month parts-only warranty	1	
42	Extended Warranty	36-month ProSupport + NBD onsite	1	
43	Deployment	Customer installation (no deployment services)	1	
44	Asset Tag	ProSupport asset tag	1	

3.1.2 Enterprise Storage Arrays (Qty 2): *The storage arrays shall support block and file services, hardware-based encryption at rest, snapshots, replication (local and remote), and seamless integration with the virtualization platform. Redundant controllers, power supplies, cooling, and paths shall be provided to eliminate single points of failure and ensure continuous availability*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Storage Controller	Dual-processor hybrid storage controller (2.5" form factor, 200–240V high-line power)	1	

2	SSD System Pack	4 × 800GB enterprise-grade SSDs	1	
3	SAS Drives	12 × 1.8TB 10K SAS 2.5" drives	12	
4	Additional SSD Tier	4 × 7.68TB enterprise SSDs	4	
5	CNA Module	4-port 1GbE Base-T CNA module	1	
6	Fibre Channel I/O	Dual 4-port 32Gb Fibre Channel I/O expansion	1	
7	Fibre Cables	OM4 fibre cable sets (5m), two-pack	4	
8	Power Cables	High-line C13/C14 or C19/C20 power cabling	1	
9	Installation Kit	Installation and mounting kit	1	
10	Storage OS	Unified storage operating environment (block + file)	1	
11	Encryption	Encryption-at-rest feature set	1	
12	Hybrid Features	Hybrid array feature bundle	1	
13	OS Support	36-month software support & maintenance	1	
14	Copy Data Management	Copy data orchestration engine for hybrid arrays	1	
15	AppSync Licensing	Hybrid-array specific license entitlement	1	
16	AppSync Support	36-month support & maintenance	1	
17	Replication Engine	Replication base engine (local & remote)	1	
18	Local Replication	Local replication license	1	
19	Remote Replication	Remote replication license	1	
20	Replication Support	Support & maintenance (minimum 1 month)	1	

3.1.3 Back up Appliances and Software (Qty 1): *Backup controller units and licenses. Note that the cost will include any licenses to operate the hardware and should be clearly stated.*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Backup Controller	Enterprise backup controller with CIFS/NFS support	1	
2	Backup Capacity	40TB usable backup capacity license	1	
3	Network Module	Quad-port 10/25GbE SFP28 network module	1	
4	Fiber Channel Module	4-port 32Gb Fiber Channel module	1	
5	Power Cords	High-quality C14/C13, 3m power cords	2	
6	Optics	SFP28 SR optical transceivers (10/25GbE)	4	
7	Install Kit	Appliance field installation kit	1	
8	Backup OS Environment	Preinstalled backup operating environment	1	
9	Backup OS License	Backup OS perpetual license	1	
10	Capacity License	Capacity-based licence (40TB minimum)	1	
11	Cloud Tier License	Cloud-tier extension licence (80TB)	1	
12	Software Support	36-month software support & maintenance	1	
13	Cyber Recovery Environment	Virtual cyber-recovery environment	1	

14	Vault Management Module	Secure vault management module	1	
15	Cyber Recovery License	Cyber-recovery software perpetual license	1	
16	Cyber Recovery Support	Cyber-recovery support (12 months)	1	
17	Deployment Services	Advanced deployment/professional services	1	

3.1.4 Core Data Switches (Qty 2): *The core switches shall be deployed in a redundant, high-availability configuration to eliminate single points of failure and ensure uninterrupted service delivery. They shall support advanced Layer 2 and Layer 3 features including VLAN segmentation, routing, link aggregation, quality of service (QoS), multicast, and secure network isolation.*

#	Description	Specification / Details	Qty	Met/Not Met/Partially Met
1	Core Switch Chassis	1U design, modular airflow (IO-to-PSU), dual hot-swappable PSUs	1	
2	Port Configuration	48 × 25GbE SFP28 ports	1	
3	High-Speed Uplinks	4 × 100GbE QSFP28 uplink ports	1	
4	Expansion Ports	2 × 100GbE QSFP-DD ports	1	
5	Power Cables	C13/C14, 2m, 250V, 10A	2	
6	100GbE Optics	QSFP28 SR4, MPO, MMF	2	
7	25GbE Optics	SFP28 SR, Duplex LC	24	
8	10GbE Optics	SFP+ SR, 850nm, 300m reach	24	
9	40GbE Modules	QSFP+ SR4 modules, MPO	2	
10	Network Operating System	Enterprise-grade DC switching OS (25G/100G capable)	1	

11	Software Support	3-year enterprise OS support & maintenance	1	
12	Hardware Warranty	1-year base + 3-year Next Business Day onsite support	1	
13	Deployment Model	Customer self-installation (no field deployment)	1	
14	Additional Services	Partner operations support	1	

3.1.5 Branch Access Switches (Qty 39): *The switches shall include 10GbE or higher uplink interfaces to ensure sufficient bandwidth for aggregated branch traffic and secure connectivity to headquarters and data center resources. Enterprise-grade features*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Access Switch Chassis	1U enterprise access switch with IO-to-PSU airflow	1	
2	PoE+ Ports	48 × 1GbE RJ-45 PoE+ (30W per port)	1	
3	10GbE Uplinks	4 × 10GbE SFP+ uplink ports	1	
4	100GbE Uplinks	2 × 100GbE QSFP28 uplinks	1	
5	Power Supply	1 × hot-swappable AC PSU	1	
6	Power Cord	220V AC power cord	1	
7	10GbE Optics	SFP+ 10GbE SR transceivers (850nm, 300m)	1	
8	Operating System	Enterprise SONiC-class distribution	1	
9	SONiC Subscription	SONiC Lite subscription (3-year, 1G platform)	1	
10	SONiC Support	ProSupport-class SONiC software support (36 months)	1	
11	Hardware Warranty	Extended lifetime warranty (96 months minimum)	1	

12	Onsite Support	36-month Next Business Day onsite support	1	
13	Deployment Mode	Supply, install, Test, Training and commissioning.	1	
14	Smart Selection Bundle	Smart Selection networking bundle	1	

3.1.6 SAN Switch (Qty 2): *SAN Switches shall provide a dedicated, high-performance, and highly reliable Fibre Channel storage network interconnecting enterprise servers and enterprise storage arrays within the WRA data center environment*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	SAN Switch (Managed Switches)	24-port 32Gb FC switch with 24×SFPs & rack kit	1	
2	Base Warranty	36-month parts-only warranty	1	
3	Extended Warranty	36-month ProSupport + NBD onsite	1	
4	Power Cords	2× C13 power cords (2m CEE7/7)	1	
5	Deployment	Customer installation	1	

3.1.7 Identity and Access Management System (Qty 1): The supplier shall supply, install, configure, secure, optimize, and commission a Microsoft Active Directory (AD) Domain Services infrastructure. This infrastructure shall support 300 Microsoft Active Directory user accounts, 150+ domain-joined Microsoft Windows devices, and 2–3 Microsoft Windows Server Domain Controllers inclusive of **10 RDS CAL Perpetual Licences**.

All components shall be Microsoft-branded, licensed, supported, and fully compliant with Microsoft best practices to ensure a secure and efficient environment. The supplier shall deliver the following services: installation of the Windows Server OS on all Domain Controllers, deployment of Active Directory Domain Services roles, and configuration of DNS, DHCP, Sites & Services. Furthermore, the supplier shall design the AD Forest, Domain, and Organizational Unit (OU) architecture, deploy Group Policy (GPO), manage user identity and device management, set up backup and recovery processes, and perform security hardening in compliance with Microsoft’s baseline standards. The supplier shall

also supply and activate all necessary licenses, and conduct training for the ICT team.

The supplier shall meet the technical requirements for the Microsoft Active Directory Domain Services (AD DS) infrastructure, including the installation of Microsoft DNS Server, Microsoft Group Policy Management, and integration of Microsoft DHCP Server. The environment shall utilize Kerberos and NTLMv2 for authentication, with Active Directory Sites & Services replication and FSMO role configuration. Domain Controllers shall meet the specified hardware and software requirements, including Windows Server Standard or Datacenter (latest version), a minimum of 8 vCPUs, 16–32GB RAM, and RAID SSD storage. The AD environment shall support a minimum of 300 user accounts and 150+ domain-joined devices, with scalability to 1,000 users and 600 devices. The supplier shall configure and enforce Microsoft Group Policy (GPO) settings, including password policies, account lockout policies, Windows Defender policies, BitLocker management, and device restrictions. The security requirements shall include the implementation of Microsoft AD Security Baselines, the disabling of legacy authentication, and the hardening of Kerberos policies. Backup and disaster recovery procedures shall include system state backups for all Domain Controllers with a minimum 30-day retention period. The supplier shall also provide genuine Microsoft licenses, including Windows Server Standard or Datacenter (16-core minimum), 300 User CALs, and/or 300 Device CALs. Finally, the supplier shall provide comprehensive documentation, including AD architecture diagrams, configuration notes, and ICT Administrator training, to ensure the successful implementation and operation of the system.

Section	Item	Description / Requirement	Met/Not Met/Partially Met
Scope of Work	Windows Server Installation AD DS Deployment DNS/DHCP Configuration AD Architecture Group Policy Identity Management Backup Setup Security Hardening Licensing Documentation & Training	Installation of Windows Server OS on all Domain Controllers Deploy Active Directory Domain Services roles Configure DNS, DHCP, Sites & Services Design AD Forest, Domains, and OU structure Deploy GPOs per organizational needs Configure user identity & device management Implement AD backup & recovery configuration Apply Microsoft security baseline hardening	

		Supply and activate Microsoft licenses Provide documentation and admin training	
Microsoft AD Technical Requirements	AD DS DNS Server Group Policy DHCP Integration Authentication Replication FSMO Roles	Microsoft Active Directory Domain Services Microsoft DNS server implementation Microsoft Group Policy Management Microsoft DHCP Server integration Kerberos & NTLMv2 authentication Active Directory Sites & Services replication FSMO role configuration	
Domain Controller Requirements	Primary DC Secondary DC Optional DR DC	Windows Server Standard/Datacenter (latest), 8 vCPU, 16–32GB RAM, RAID SSD, AD DS + DNS + Global Catalog Same specifications with real-time replication Offsite deployment with AD replication	
User & Device Support	User Capacity Device Capacity	Minimum 300 user accounts, scalable to 1,000 Minimum 300 devices, scalable to 600	
GPO Requirements	Password Policy Account Lockout Defender Policies Security Baselines RDP Controls BitLocker Device Restrictions	Define password standards Configure lockout thresholds Manage Windows Defender settings Apply Microsoft Windows baselines Define RDP access policies BitLocker encryption management Restrict unauthorized device usage	

	Software Deployment	Support MSI/software deployment	
Security Requirements	Baseline Hardening Disable Legacy Auth Kerberos Hardening Auditing RBAC Delegations Tiered Model Event Logging	Implement Microsoft AD Security Baselines Disable LM and NTLMv1 authentication Strengthen Kerberos policies Enable advanced Windows auditing Apply Role-Based Access Control Delegate OU-level admin roles Implement Tier 0/1/2 administrative model Directory service event monitoring	
Backup & Disaster Recovery	Backup Tool System State Backup Retention DR Testing DR Documentation	Windows Server Backup or enterprise backup Backup of all Domain Controllers Minimum 30-day retention period Replication & restore test procedures Provide DR runbook documentation	
Microsoft Licensing Requirements	Server Licensing User CALs Device CALs Additional CALs License Channels	Windows Server Standard/Datacenter (16-core minimum) 300 Microsoft User CALs or equivalent Optional 300 Microsoft Device CALs RDS CALs if required OEM, Volume, Open-Value, CSP, or Government	
Documentation & Training	Architecture Diagram As-Built Docs GPO Records Backup Procedures Training	Provide AD Architecture Diagram Produce final As-Built Documentation Full GPO inventory & configuration notes Backup/restore SOPs	

		2-day ICT Administrator training	
Acceptance & UAT	Installation Replication GPO Validation Backup Test User Test Device Test Security Test	Verified AD DS installation Confirm site-to-site replication Test Group Policy application Backup and restore verification User account creation test Device join & authentication test Confirm compliance with Microsoft baselines	
Warranty & Support	Support Period Health Checks Coverage Escalation	Minimum 12-month support Quarterly AD health assessments Support for replication, GPO, DNS/DHCP issues Defined incident resolution & escalation path	

3.1.8 Professional Business Laptops (Qty 52): *Laptops for ground water officers to be used in collection and dissemination of ground water information*

Item	Description / Requirement	Met/Not Met/Partially Met
Processor	Intel® Core™ Ultra 7 256V	
Graphics	Intel Arc Graphics	
Memory	16GB LPDDR5x (on-board)	
Storage	1TB PCIe NVMe SSD	
Display	14" 2K (1920×1200) IPS Touchscreen, 400 nits	
Operating System	Windows 11 Home (Provide license key for windows 11 professional)	
Camera	5MP IR Webcam	
Audio	Poly Studio, Dual Speakers	
Ports	1× Thunderbolt 4, 1× USB-C, 2× USB-A, 1× HDMI 2.1, 1× Audio jack	
Connectivity	Wi-Fi 7, Bluetooth 5.4	
Battery	3-cell, 59Wh	
Weight	Approx. 1.38kg	
Features	2-in-1, 360° Flip Design, multi-touch enabled, AI Boost NPU, Gorilla Glass, Backlit	

Office	Ms Office Professional Plus 2021 (Perpetual Licence key to be provided separately)	
Accessories	Wireless mouse, Executive sturdy padded carrying case and backpack	
warranty	Minimum 1 year warranty	

3.1.9 DESKTOP COMPUTERS (ALL-IN-ONE) (Qty 145): *Professional Desktops shall provide reliable, high-performance computing platforms for WRA staff supporting administrative, regulatory, analytical, and operational functions, including access to the Ground Water Information System (GWIS)*

Item	Description / Requirement	Met/Not Met/Partially Met
Processor	Intel Core i7	
Memory (RAM)	16 GB DDR4	
Storage	1TB SSD (Solid State Drive)	
Display	27-inch Full HD (1080p) Screen	
Graphics	Integrated Intel Graphics	
Operating System	Windows 11	
Connectivity	Wi-Fi, Bluetooth, USB Ports, HDMI, Ethernet	
Camera & Audio	Built-in HD Webcam, Microphone & Speakers	
Others	Mouse and Keyboard	
Operating System	Windows 11 Professional (Perpetual Licence key to be provided separately)	
Microsoft Office	Ms Office Professional Plus 2021 (Perpetual Licence key to be provided separately)	
Warranty	Minimum 1 year warranty.	

3.1.10 Virtualization Software License (Qty 1) : *Virtualization Software shall provide an enterprise-grade platform enabling secure, high-availability virtualization of multiple server workloads across clustered hosts, supporting live migration, automated failover, resource optimization, centralized management, and scalable deployment of GWIS applications and supporting services.*

#	Component	Description	Qty	Met/Not Met/Partially Met

1	Enterprise Hypervisor License (Per Host)	Enterprise-grade virtualization hypervisor license supporting multi-host clustering, high availability (HA), live VM migration, resource scheduling, policy-driven automation, and hardware-assisted virtualization. Licensed per physical server. 5-year subscription term.	3	
2	Centralized Virtualization Management Server	Unified virtualization management server delivering cluster administration, VM lifecycle automation, monitoring analytics, RBAC, API integration, and template-based provisioning. Equivalent to vCenter-class management. 3-year subscription.	1	
3	Enterprise Feature Pack	Enables distributed virtual switching, DRS-class resource scheduling, host profiles, encryption functionality, vTPM/vGPU passthrough readiness, and automation capabilities equivalent to VMware vSphere Enterprise Plus / vSphere Foundation with Enterprise Add-Ons.	1	
4	Replication Protection Engine &	Provides VM-level replication across hosts, application-consistent snapshots, point-in-time recovery, and integrated failover orchestration—equivalent to vSphere Replication-class functionality.	1	
5	Support & Maintenance (3 Years)	3-year enterprise support covering all updates, patches, security releases, and lifecycle maintenance for the hypervisor and management components.	1	

6	Cluster Capacity Entitlement	Applies to all three Dell PowerEdge-class enterprise hosts equipped with dual processors, VM-optimized CPU architecture, TPM 2.0, and full hardware virtualization extensions.	1	
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3.1.11 End Point Security (Qty 200): *Security Licenses for 200 devices*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Endpoint Protection Platform (EPP)	Enterprise-grade endpoint security suite providing advanced malware protection, ransomware defense, behavioral analysis, exploit detection, zero-day protection, real-time scanning, and machine-learning threat analysis.	As Required	
2	Endpoint Detection & Response (EDR)	Advanced threat detection module offering continuous monitoring, root-cause analysis, incident investigation, automated containment, and full attack-chain visibility.	1	
3	Full Disk Encryption Module	Policy-based full disk encryption management supporting OS-native encryption, centralized key management, and compliance reporting for laptops and desktops.	1	

4	Cloud-Based Security Management Console	Unified cloud portal for deployment, monitoring, policy enforcement, compliance reporting, automated remediation, and endpoint risk analytics.	1	
5	Device & Application Control	Policy-driven blocking and control of USB devices, removable storage, and application execution to minimize insider risks.	1	
6	Network Attack Defense	Integrated endpoint firewall, intrusion prevention, network exploit blocking, and brute-force attack defense.	1	
7	Email & Web Threat Protection	Anti-phishing, URL filtering, browser isolation, and malicious content blocking for enhanced email and internet protection.	1	
8	Cloud Sandbox Analyzer	Cloud-based detonation environment for executing and analyzing suspicious files for advanced threat detection.	1	
9	Advanced Risk Analytics	Continuous endpoint risk scoring, vulnerability assessment, detection of weak policies,	1	

		misconfigurations, and outdated software.		
10	Support & Maintenance (5 Years)	5-year enterprise-grade support including updates, threat intelligence feeds, feature upgrades, and security patches.	1	

3.1.12 Data collection kits (Qty 10): *Mobile devices that will be used for the collection of field data*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Display	11" Liquid Retina display (2360×1640), P3 wide color, True Tone, fully laminated, 500 nits brightness.	1	
2	Processor / Chip	Apple M2 chip: 8-core CPU, 9-core GPU, 16-core Neural Engine.	1	
3	Storage Options	Available in 1TB flash storage.	1	
4	Memory	16GB unified RAM integrated with the M2 architecture.	1	
5	Rear Camera	12MP Wide camera (<i>f</i> /1.8), 4K video up to 60fps.	1	
6	Front Camera	12MP Ultra Wide camera with Center Stage, 1080p up to 60fps.	1	

7	Connectivity	USB-C with DisplayPort, Wi-Fi 6E, Bluetooth 5.3; cellular model supports 5G.	1	
8	Apple Pencil Support	Supports Apple Pencil Pro and Apple Pencil (USB-C) with hover support.	1	
9	Keyboard (Apple Magic Keyboard Folio)	Detachable keyboard with trackpad, scissor-switch keys, multi-gesture support, and protective folio design.	1	
10	Stylus (Apple Pencil Pro)	Advanced stylus with pressure sensitivity, tilt detection, haptic feedback, and hover support.	1	
11	Dimensions & Weight	247.6 x 178.5 x 6.1 mm; ~462 g (Wi-Fi model).	1	
12	Operating System	Ships with latest iPadOS version; multitasking & Apple Intelligence features.	1	
13	Colors	Space Gray.	1	
14	Warranty	Standard manufacturer warranty; optional support upgrades available.	1	

3.1.13 Firewalls (Qty 2): *Enterprise Firewalls shall provide centralized, high-availability network security for the WRA data center and branch connectivity, delivering next-generation firewall capabilities including deep packet inspection, intrusion prevention, SSL/TLS inspection, secure VPN services, and granular traffic segmentation to protect enterprise systems from internal and external cyber threats*

#	Component	Description	Qty	Met/Not Met/Partially Met
1	Chassis Architecture &	1U rack-mount appliance with dual-processor architecture and dedicated hardware flow-acceleration engine supporting full DPI/SSL.	1	
2	Firewall Throughput	Approx. 47 Gbps raw firewall throughput under optimal conditions.	1	
3	NGFW & Threat Protection	NGFW throughput ~9 Gbps; TLS/SSL inspection ~2.4 Gbps; Threat-protection ~7.4 Gbps.	1	
4	IPSec VPN Capacity	IPsec VPN throughput up to 25 Gbps; supports 6,000+ concurrent VPN tunnels.	1	
5	Session Handling	Supports 12.2M+ concurrent sessions and >186k new connections/sec.	1	
6	Fixed Interfaces	Minimum: 8×1GbE RJ45, 2×1GbE SFP, 2×10GbE SFP+; includes bypass pair.	1	
7	Modular Expansion	One expansion bay supporting additional fiber/copper/PoE/10Gb modules.	1	
8	Internal Storage	Minimum 240GB SSD for logs, quarantine and local analytics.	1	
9	Physical Specs	1U (approx. 438×405×44mm), 4.7kg, 0–40°C, universal AC input.	1	
10	Security Features	Full DPI, IPS, web/app control, SSL decryption, sandboxing, 2FA admin.	1	
11	Management	Central cloud/on-prem management, analytics, automation, reporting.	1	
12	Support Services	Requires enterprise security subscription for updates and threat intelligence.	1	

3.1.14 Enterprise Access Points (Qty 86): *Access Points shall provide secure, high-performance wireless connectivity across WRA headquarters, basin, and regional offices, supporting high-density user environments and seamless access to the Ground Water Information System (GWIS), enterprise applications, and field data uploads, with enterprise-grade security, centralized management, and support for modern Wi-Fi standards to ensure reliability, scalability, and consistent user experience*

#	Specification Category	Description	Details	Met/Not Met/Partially Met
1	Physical Dimensions	Compact enterprise indoor access point	250 × 250 × 43.5 mm; 1.8 kg	
2	WiFi Standard	Tri-band next-generation wireless	WiFi 7 (802.11be)	
3	Spatial Streams	High-density MU-MIMO	10-stream architecture	
4	Coverage Area	Optimized for large spaces	185 m ² (2,000 ft ²)	
5	Client Capacity	High-density environments	1000+ clients	
6	Uplink Interfaces	Multi-gigabit backhaul	1×10GbE RJ45, 1×1GbE RJ45	
7	Mounting Options	Flexible mounting	Ceiling, wall, VESA (Pro mount included)	
8	Power Method	Enterprise PoE input	PoE++	
9	Radio Technology	Tri-band MU-MIMO	6GHz 4×4, 5GHz 4×4, 2.4GHz 2×2	
10	Peak Data Rates	Maximum theoretical throughput	6GHz: 11.5Gbps, 5GHz: 8.6Gbps, 2.4GHz: 688Mbps	
11	Antenna Gain	Integrated antennas	6GHz: 6dBi, 5GHz: 6dBi, 2.4GHz: 5dBi	

12	Transmit Power	Max TX power	6GHz: 24/30dBm, 5GHz: 30dBm, 2.4GHz: 23dBm	
13	Max BSSIDs	Virtual APs	8 per radio	
14	Supported Data Rates	Legacy compatibility	802.11be/ax/ac/n	
15	Advanced Features	Enterprise WLAN suite	Meshing, band steering, 802.11r/v/k, spectrum analysis	
16	Guest & Hotspot Features	Captive portal & access control	Custom portal, vouchers, PPSK, isolation	
17	Security Features	Enterprise authentication	RADIUS over TLS (RadSec), dynamic VLANs	
18	Max Power Consumption	AP power draw	43W	
19	Voltage Range	Power input range	42.5–57V DC	
20	Enclosure Material	Housing	Polycarbonate + aluminum alloy	
21	Mount Material	Bracket durability	SUS304 stainless steel, SGCC steel	
22	LED Indicators	System LEDs	RGB status indicator	
23	Channel Bandwidth Support	Full-spectrum WiFi 7	20/40/80/160/240/320 MHz	
24	Compliance	Regulatory	CE, FCC, IC, Anatel; NDAA compliant	
25	Operating Frequencies	Regional support	2.4GHz, 5GHz, 6GHz bands	
26	Operating Temperature	Temperature tolerance	–30°C to 50°C	
27	Operating Humidity	Humidity range	5–95% non-condensing	

3.1.15 Monochrome Multifunctional Printers (Qty 18): *The offered must meet or exceed all minimum specifications. Supplier must provide manufacturer datasheet confirming compliance. Printer must include all cables, drivers,*

software, and installation support. Consumables (toner/drum) must be locally available. Supplier must provide after-sales support and service availability within Kenya.

Category	Feature	Specification	Notes	Met/Not Met/Partially Met
Core Functions	Functions	Print / Copy / Scan (Fax optional)	Multifunction device	
Performance	Print Speed	≥ 32 ppm (A4), ≥ 17 ppm (A3)	High-speed output	
Performance	Print Resolution	1200 × 1200 dpi	Professional quality	
Performance	First Page Out	≤ 5.5 seconds	Fast first print	
Performance	Warm-up Time	≤ 20 seconds	Quick readiness	
Hardware	Processor	Dual-core 1.2 GHz or higher	Efficient processing	
Hardware	Memory	≥ 1 GB (expandable to 3GB)	Upgradeable	
Copying	Copy Speed	≥ 32 cpm (A4)	Same as print speed	
Copying	Copy Resolution	600 × 600 dpi	Standard clarity	
Scanning	Scan Speed	50 ipm simplex / 16 ipm duplex	A4 at 300 dpi	
Scanning	Scan Resolution	Up to 600 × 600 dpi	High-detail scanning	
Paper Handling	Duplex	Auto duplex (60–163 g/m ²)	Both sides printing	
Paper Handling	Input Tray	500-sheet + 100-sheet MPT	Multi-purpose tray	
Paper Handling	Max Input	$\geq 1,600$ sheets	Expandable trays	
Paper Handling	Paper Sizes	A3–A5R, Legal, Letter, custom sizes	98 × 148 mm – 297 × 432 mm	
Connectivity	Interfaces	Gigabit LAN + USB	Supports AirPrint & Mopria	
Output	Output Capacity	250 sheets	Standard output tray	
ADF	ADF Type	Reversing or dual-scan ADF	Depends on model	
Power	Power Usage	≤ 500 W (print/copy)	Energy efficient	
Noise	Noise Level	≤ 50 dB(A)	Low noise	
Physical	Dimensions	590 × 590 × 688 mm	Approximate	

Physical	Weight	50–75 kg	Model dependent	
Warranty	Warranty	Minimum 1 year onsite	Extendable	
Toner (19)				

3.1.15.1 Card Printer ID Card Printer (Qty 1): *The offered must meet or exceed all minimum specifications. Supplier must provide manufacturer datasheet confirming compliance. Printer must include all cables, drivers, software, and installation support. Consumables (toner/drum) must be locally available. Supplier must provide after-sales support and service availability within Kenya.*

Category	Specification	Met/Not Met	Met/Partially Met
Print Technology & Performance	Dye-sublimation / resin thermal transfer (direct-to-card).		
Print capabilities:	Single- or dual-sided (duplex) with rewritable card support.		
Print resolution:	300 dpi (300×600 and 300×1200 options).		
Print speed:	up to ~250 cards/hour.		
Double-sided color	up to ~180 cards/hour.		
Monochrome	up to 1,100 cards/hour (simplex).		
Input hopper:	~125 cards.		
Output hopper	~25 cards (optionally up to ~100 with accessories).		
Reject hopper	~10 cards.		
Card sizes	ID-1 standard (CR-79, CR-80).		
Card thickness	0.010” – 0.040” (0.25 mm – 1.016 mm).		
Interfaces	USB & Ethernet standard; optional Wi-Fi module available.		
Operating systems	Windows 10 & 11, Windows Server 2019/2022 (drivers).		
Mobile/cloud ready	Can issue/monitor via cloud or mobile interfaces		
Printer dashboard	status, supplies, and firmware updates via web browser.		
Wi-Fi	802.11g/n/ac options.		

warranty	12 months warranty for printer and printhead.	
Others	Card Design Software	
	YMCK RT color Ribbon	
	Clear retransfer film	
	Cleaning kit	
	RFID cards (200)	
	Standard PVC cards (400)	

3.1.15.2 Heavy Duty Multifunctional Printer (Qty 1): *The offered must meet or exceed all minimum specifications. Supplier must provide manufacturer datasheet confirming compliance. Printer must include all cables, drivers, software, and installation support. Consumables (toner/drum) must be locally available. Supplier must provide after-sales support and service availability within Kenya.*

Category	Specification	Met/Not Met/Partially Met
General type	Color multifunctional for A3 forma	
Engine speed	Up to 60 pages A4 per minute. Up to 30 pages A3 per minute. Duplex print speed: 60 page per minute, A4. Duplex copy speed: 60 page per minute, A4.	
Warm-up time	Approx. 17 seconds or les	
Power consumption	Printing: 990 W, Copying: 990 W, Ready mode: 45 W, Sleep-mode: 0.5 W	
Input capacity	Multi-purpose tray: 150 sheets 52 - 300g/m2, (Banner 136–163 g/m2) A6R - SRA3 (320 x 450 mm), Custom (98 x 148 to 320 x 1,220 mm), Banner max. 304.8 x 1,220 mm Standard universal paper cassette: 2 x 500 sheet 52 - 300g/m2 Upper cassette A6R up to A4R, lower cassette A6R up to SRA3	

Max. input capacity with options	7,150 sheets A4	
Duplex unit	Standard 64 to 256 g/m ² SRA3 to A6R	
Max. output capacity	Standard 500 sheets face-down, Max. 4300 sheets	
Document processor	Optional	
Processor	ARM A53 (Quad Core) 1.6GHz	
Fonts	93 outline fonts (PCL), 136 fonts (KPDL 3), 8 fonts(Windows Vista), 1 Bitmap font 45 types of one-dimensional barcodes, 1 type of two-dimensional barcode (PDF417)	
Features	Encrypted PDF Direct Print, IPP printing, e-mail printing, WSD print, secure printing via SSL, IPsec, SNMPv3, quick copy, proof and hold, private print, job storage and job management functionality, Super Resolution	
Applicable OS	All current Windows operating systems, MAC OS X Version 10.9 or higher Unix, Linux as well as other operating systems on request	
Max. original size	A3, Ledger Continuous copy 1-9999	
Zoom range	25 - 400 % in 1% steps	
Preset magnification ratios	5 Reductions/5 Enlargements	
Image adjustments	Text + Photo, Photo, Text, Diagram/Map	
Digital copy features	Scan-once-copy-many, electronic sort, 2in1, 4in1, image repeat, page numbering, cover mode, booklet copy, interrupt copy, form overlay, margin shift, auto cassette change, skip blank page, ID copy	

Scan functionalities	Scan to e-mail, Scan to FTP, Scan to SMB, Scan to USB Host, Scan to box, Network TWAIN, WIA/WSD scan	
Scan speed Colour:	images per minute, b/w: image per minute, (A4, 300dpi with DP-7110)	
Scan resolution	600dpi x 600dpi, 400dpi x 400dpi, 200dpi x 400dpi, 300dpi x 300dpi, 200dpi x 200dpi, 200dpi x 100dpi 256 greyscales per colour	
Max. scan size	A3, Ledger	
File type	TIFF, PDF, PDF/A, JPEG, Open XPS, Encrypted PDF, High compression PDF, PDF/A-1a/b, PDF/A- 2a/b/u, Searchable PDF (Option), MS Office file (Option)	
Original recognition	Text, photo, text + photo, Light Text / Fine Line, optimised for OCR	
Compatibility	ITU-T Super G3 Modem speed Max. 33.6 kbps Scanning speed 2.0 seconds or less Transmission speed Max. 3 seconds (JBIG) Scanning density Normal: 200 x 100 dpi, Fine: 200 x 200 dpi, Superfine: 200 x 400 dpi, Ultrafine: 400 x 400 dpi, 600 x 600 dpi	
Max. original size	A3, Ledger, Banner: 1600mm	
Fax features	Network faxing, rotate transmission, rotate reception, encrypted transmission and reception, duplex fax reception, memory reception, mailbox, remote diagnostics, polling transmission and reception, broadcast, Optional Internet-fax,	

	dual fax with second fax system 12	
Toners Supply	One set of genuine toner/cartridge each colour	

3.1.16 Mobile Satellite Internet Device (Qty 2): *Portable satellite internet terminal (integrated antenna + router)*

Category	Specification	Met/Not Met/Partially Met
Device Type	Portable satellite internet terminal with integrated antenna and Wi-Fi router	
Network Technology	Low Earth Orbit (LEO) satellite constellation	
Form Factor	All-in-one, compact, portable design	
Dimensions	Approx. 298 × 259 × 38.5 mm	
Weight	Approx. 1.1 kg	
Power Consumption	Approx. 20–40 W (typical operation)	
Power Input	USB-C / DC input (supports power banks, vehicle power, solar setups)	
Operating Temperature	–30°C to +50°C	
Environmental Protection	Weather-resistant enclosure suitable for outdoor use	
Download Speed	Approx. 50–100 Mbps (typical conditions)	
Upload Speed	Approx. 5–10 Mbps	
Latency	Approx. 25–50 ms	
Wi-Fi Capability	Integrated Wi-Fi router (Wi-Fi 5 / IEEE 802.11ac)	
Ethernet Connectivity	Via optional Ethernet adapter (model-dependent)	
User Capacity	Individual users or small teams	
Setup & Deployment	Plug-and-play with automatic satellite alignment	
Mobility	Fully portable; supports temporary and mobile deployments	
Intended Use	Remote sites, field operations, emergency or backup connectivity	
Regulatory Compliance	Designed to meet applicable regional EMC and safety standards	

3.1.18 Interactive Smart Boards (Qty 8): *The interactive display shall be supplied as a complete, integrated unit with all required accessories, power cables, and documentation*

Feature	Minimum Required Specification	Met/Not Met/Partially Met
Display Panel	4K Ultra-HD (3840 x 2160 pixels) D-LED backlight; Anti-glare tempered glass (Min. 7H/9H hardness).	
Sizes Available	86"	
Bonding Technology	Zero-bonding (no gap between glass and LCD) for high touch accuracy and reduced parallax.	
Touch System	Advanced High-Precision Infrared; Min. 20 to 50 simultaneous touch points ; Response time \leq 3ms.	
Integrated Camera	Built-in AI Camera; Min. 48MP resolution with support for Face Tracking and Sound Localization.	
Audio System	Integrated 8-Microphone array (Pickup range up to 12m) with AEC, AGC, and 3D Noise Reduction.	
Sound Output	Built-in Stereo Speakers (Min. 2 x 20W) plus 1 x 20W Subwoofer.	
Operating System	Dual System support: Android 13.0/14.0 (Standard) and Windows 11 (via optional OPS slot-in PC).	
Android Hardware	8-Core CPU (Quad-core A73 + Quad-core A53); 8GB RAM; 128GB ROM.	
Connectivity	Front: 2x USB 3.0, 1x Type-C (65W/100W PD). Side/Rear: 3x HDMI IN, 1x HDMI OUT, DP IN, VGA, LAN (RJ45 x2), RS232, and SPDIF.	
Wireless	Dual-band Wi-Fi 6 (2.4GHz/5GHz) and Bluetooth 5.0/5.2; Support for NFC device unlocking.	
Software	Pre-installed Whiteboard & Annotation software, Wireless screen sharing (PC/Mobile), and Document Management.	

Accessories	Wall-mountable/mobile stand compactable, 2x Stylus Pens, Remote Control, Power Cable, HDMI Cable, and Eraser.	
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3.1.19 Field Android GPS Mappers (Qty 40): *The tools support data capture, geo-referenced photos, time-stamped measurements, and subsequent synchronization to centralized GIS and groundwater information systems, ensuring spatial accuracy, data integrity, and consistency for groundwater assessment:*

Category	Specification	Met/Not Met/Partially Met
Hardware		
CPU	ARM A73 octa-core processor, up to 2.0 GHz	
GPU	ARM Mali-G72 MP3	
RAM	8 GB	
Internal Memory	128 GB	
External Memory	Micro SD (T-Flash) card support, up to 256 GB	
Main Camera	13.0 MP autofocus camera with LED flash	
Sub Camera	5.0 MP	
Battery	7800 mAh rechargeable battery	
Display	5.5-inch IPS/AFS display, 1080 × 1920 (FHD), ≥ 500 cd/m ² , sunlight readable	
Touch Panel	Capacitive touch with glove touch, spray touch, and active capacitive pen support	
SIM Card	Dual Nano SIM	
TF Card	Micro SD (T-Flash), max 256 GB	
Headphone	3.5 mm CTIA	
Charging Interface	USB Type-C + 2-pin pogo pin	
Data Interface	USB Type-C (OTG supported)	
RS-232 (Optional)	RS-232X1	
Sensors	Gravity, motion, direction, magnetic field, gyroscope, rotation vector, light, acceleration sensors	
Charger	5.0V / 2A (10W)	
Navigation	GPS + BeiDou + GLONASS + AGPS + SBAS (EPO ~2.5 m)	
Communications & Networking		
Phone Call	GSM / WCDMA / CDMA 1X / VoLTE	
2G	GSM / CDMA 1X / EDGE / GPRS / WAP	
2G Bands	GSM (B2 / B3 / B5 / B8)	

3G	WCDMA / TD-SCDMA / CDMA2000	
3G Bands	WCDMA (B1 / B2 / B5 / B8); TD-SCDMA; CDMA BC0 / BC1	
4G	FDD-LTE / TDD-LTE	
4G Bands	FDD: B1/B3/B7/B8/B20; TDD: B38/B39/B40/B41	
Wi-Fi	Dual-band Wi-Fi (2.4 GHz / 5 GHz), IEEE 802.11 a/b/g/n/ac	
Bluetooth	Bluetooth Low Energy (BLE)	
Industrial & Reliability Design		
Shake-proof	1–19 Hz / 1.0 mm; 19–200 Hz / 1.0 g	
Drop-proof / IK	MIL-STD-810G Method 516.6 Procedure IV; Touch panel IK05	
Waterproof	IP67 (IEC 60529)	
Dustproof	IP6X (IEC 60529)	
Reliability	MTBF \geq 5000 hours; MTTR \leq 0.5 hour	
Operating Temperature	–20°C to +55°C	
Storage Temperature	–40°C to +70°C	
Operating Humidity	5% – 95% RH (non-condensing)	
Operating Altitude	Maximum 4,500 m (15,000 ft)	
Certification / OS / Software		
Certifications	3C / FCC / CE / RoHS / IP67 (IEC 60529)	
Language Support	English, Spanish, Portuguese, Italian, German, Dutch, French, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew, Chinese (Simplified & Traditional), etc.	
Operating System	Android 11	
Package & Warranty		
Warranty	Minimum 24 months	
Package Contents	USB cable, 5V/2A charger, user manual, screen protector, protective carrying box, toolkit, SIM eject pin	

3.1.20 Installation Services (Qty 1): *Set up and configuration works for the supplied data center hardware items*

3.2 Data Center Upgrade

No.	Category	Specification	Qty	Met/Not Met/Partially Met
3.2.1	Grounding	Complete earthing and bonding system including earth electrodes, copper conductors, and bonding bars, ensuring all racks, cabinets, PDUs, cable trays, and metallic components are properly grounded in compliance with electrical safety standards.	1	
3.2.2	Environmental Monitoring	Environmental monitoring system capable of measuring temperature and humidity, with support for leak detection and door status monitoring, providing threshold-based alerts via local display or network notification.	1	
3.2.3	Fire-Rated Door	Fire-rated door suitable for data center use, providing	1	

		certified fire resistance, smoke sealing, thermal insulation, and secure locking, compliant with applicable fire and building safety regulations.		
3.2.4	Cat6A Cabling	Category 6A structured copper cabling supporting up to 10Gbps Ethernet, supplied, installed, terminated, labeled, and tested in accordance with TIA/EIA-568 or ISO/IEC structured cabling standards	(Lot 1)	
3.2.5	Fiber Backbone	OM4 multimode fiber backbone cabling with LC connectors, to be installed and tested to support high-speed interconnection between data center racks or rooms with acceptable optical loss levels.	Lot 1	
3.2.6	Patch Panels	Rack-mounted 24-port Category 6A patch panels for structured termination and organization of	8	

		copper network cabling.		
3.2.7	Smart PDUs	Rack-mounted PDUs with C13/C19 outlets, capable of safe power distribution and basic power load monitoring, suitable for continuous data center operation.	6	
3.2.8	Wi-Fi APs	Enterprise-class wireless access points supporting at least Wi-Fi 6, secure authentication, centralized management, and reliable operation in office or technical environments.	10	
3.2.9	Wall Cabinets	9U or 18U wall-mounted cabinets with lockable doors, ventilation, standard 19-inch mounting rails, and cable entry points for network and cabling equipment.	3	
3.2.10	Accessories	Structured cabling accessories including compliant patch cords, cable labels,	1	

		organizers, and mounting hardware necessary for neat, safe, and maintainable installations.		
3.2.11	Data center upgrade works	Works on data center upgrade	1	
3.2.12	Installation Services	Set up and configuration works for the supplied data center upgrade hardware items	1	

3.3 Ancillary Hardware Specifications

3.3.1 Computer power back up (Qty 145): *The devices must be supported by brochures and MAFs and provided with at least 2 years' warranty*

Category	Specification	Met/Not Met/Partially Met
Device Type	Uninterruptible Power Supply (UPS) Kit	
UPS Topology	Online double-conversion (for critical systems) or line-interactive (for office/end-user equipment), as specified	
Rated Capacity	Minimum 650 VA – 1,000 VA (office/end-user) or higher where specified	
Output Power	Minimum 360 W – 600 W (depending on model)	
Input Voltage	220–240 V AC	
Output Voltage	220–240 V AC, regulated	
Frequency	50 Hz ± 5 Hz	
Battery Type	Maintenance-free sealed lead-acid (VRLA) or lithium-ion	
Backup Runtime	Minimum 10–30 minutes at 50% load	
Recharge Time	≤ 6–8 hours to 90% capacity	
Output Sockets	Minimum 2–4 IEC / universal outlets	
Surge Protection	Integrated surge and spike protection	
Power Conditioning	Automatic Voltage Regulation (AVR)	
Protection Features	Overload, short-circuit, over-temperature, and battery protection	
Monitoring & Alerts	Visual LED/LCD indicators and audible alarms	
Communication Interface	USB and/or SNMP (where required)	
Form Factor	Tower or compact desktop form	
Noise Level	≤ 45–50 dB(A) during normal operation	
Operating Temperature	0°C – 40°C	
Compliance	IEC / EN safety and EMC standards	
Accessories Included	Power cables, user manual, and mounting accessories (if applicable)	
Warranty	Minimum 1-year manufacturer warranty	

3.3.2 42U Enterprise Server Racks (Qty 4): *A 42U Enterprise Server Rack shall be a floor-standing, 19-inch EIA-310 compliant cabinet constructed from heavy-duty steel, with a minimum static load capacity of 1,200 kg, adjustable front and rear mounting rails, lockable perforated front and rear doors providing at least 70% airflow, removable lockable side panels,*

integrated grounding points, top and bottom cable entry with brush panels, provision for vertical and horizontal PDUs, compatibility with hot/cold aisle containment, and designed for continuous 24/7 data-center operation.

3.3.3 Rack Accessories (Qty 1): *Rack Accessories shall include equipment shelves, blanking panels, mounting rails, and PDU mounting brackets, supplied to support secure installation, proper airflow management, organized power distribution, and efficient utilization of space within the 42U enterprise server racks in a data-center environment.*

3.3.4 Cable containment (Qty 1): *Cable Containment shall comprise a raised floor trunking and/or overhead cable tray system designed for use in data-center and ICT environments to safely route and protect power and data cabling while maintaining physical separation to minimize electromagnetic interference. The system shall be constructed from heavy-duty, corrosion-resistant materials, modular in design to allow future expansion, and sized to accommodate current cabling requirements with adequate spare capacity. It shall include smooth edges and protective fittings to prevent cable damage, support proper airflow within hot and cold aisle layouts, incorporate grounding and bonding points, and comply with relevant TIA/EIA and ISO/IEC cabling standards, with all necessary supports, brackets, and installation accessories provided for continuous 24/7 operation.*

3.3.5 Biometrics & CCTV:

3.3.5.1 Biometric Terminals (Qty 2): *Biometric Terminals shall be enterprise-grade fingerprint and facial recognition access control devices designed to secure restricted areas such as data centers and critical ICT rooms. The devices shall support multi-factor authentication (fingerprint, facial recognition, and PIN/card where applicable), provide fast and accurate user identification, and store biometric templates securely using encrypted storage. Terminals shall support a minimum of 1,000 enrolled users, offer high recognition accuracy under varying lighting conditions, and operate in both online and offline modes with local authentication capability. They shall include TCP/IP network connectivity, integrate with centralized access control systems, support audit logging and time-stamped access records, and be housed in durable enclosures suitable for continuous 24/7 operation, with compatibility for magnetic locks, door sensors, and power backup systems.*

3.3.5.2 Magnetic Lock (Qty 2): *heavy-duty electromagnetic locking devices rated between 600 and 1,200 pounds holding force, suitable for securing data center and restricted access doors. The locks shall be fail-safe (unlock on power loss), operate on 12V/24V DC, and be compatible with biometric terminals and access control panels. Each unit shall include a reinforced magnet and armature plate,*

built-in surge protection, and status monitoring for door lock and bond sensing. The mag locks shall be constructed from corrosion-resistant materials

3.3.5.3 Access control panel (Qty 1): *Access Control Panel shall be an enterprise-grade controller used to centrally manage and enforce physical access policies for secured areas such as data centers and critical ICT rooms. The panel shall support multiple doors, integrate with biometric terminals, magnetic locks, door sensors, and exit buttons, and provide secure TCP/IP network connectivity to a centralized management system*

3.3.5.4 CCTV Cameras-Indoor dome cameras (Qty 6): *enterprise-grade, vandal-resistant surveillance cameras designed for continuous indoor monitoring of data centers, server rooms, and restricted ICT areas. The cameras shall provide high-definition video (minimum 1080p), support wide dynamic range (WDR) for clear imaging under varying lighting conditions, and include infrared (IR) illumination for low-light or no-light environments. They shall support IP-based connectivity, Power over Ethernet (PoE), motion detection, and integration with a centralized Network Video Recorder (NVR) or video management system. The cameras shall feature secure access, encrypted video streams, durable dome enclosures, and be suitable for reliable 24/7 operation in an enterprise security environment.*

3.3.5.5 Network Video Recorder-NVR (Qty-1): *Network Video Recorder (NVR) shall be an enterprise-grade 8-channel IP video recording system designed to centrally manage, record, and store video feeds from indoor dome CCTV cameras. The NVR shall support high-definition recording (minimum 1080p per channel), continuous and event-based recording modes, and include a minimum of 4TB enterprise-class storage for secure video retention. It shall provide IP network connectivity, support PoE camera integration (where applicable)*

3.3.5.6 Backup UPS for Biometrics (Qty 1): *650–1000VA uninterruptible power supply dedicated to supporting access control and security equipment, including biometric terminals, access control panels, magnetic locks, CCTV cameras, and NVRs, ensuring continuous operation during power interruptions. The UPS shall provide regulated 220–240V AC output, integrated surge protection and automatic voltage regulation, sufficient battery runtime to maintain security systems for a minimum of 15–30 minutes, visual status indicators*

3.3.6 Structured Cabling:

3.3.6.1 Patch Panels (Qty-43): *Cat6A-compliant patch panels used for terminating and organizing structured network cabling within*

communication racks, providing clearly labeled, standards-based connection points for reliable network management and troubleshooting.

3.3.6.2 Faceplates (Qty-587): *Wall-mounted faceplates fitted with Cat6A keystone modules to provide secure, neat, and accessible network outlets at user workstations, ensuring proper termination, labeling, and compliance with structured cabling standards.*

3.3.6.3 Cat6A Rolls (Qty-64): *Certified Category 6A copper cabling supplied in standard rolls, designed to support 10Gbps Ethernet transmission, low crosstalk, and high-performance data communication in accordance with TIA/EIA-568 standards*

3.3.6.4 IM Patch Cords (Qty-750): *Short-length Cat6A patch cords used within equipment racks to interconnect patch panels, switches, and network devices, ensuring clean cable routing, flexibility, and minimal signal loss.*

3.3.6.5 3M Patch Cords (Qty-760): *High-quality Cat6A patch cords used for workstation and outlet connections, providing durable, reliable end-to-end connectivity between faceplates and active network equipment*

3.3.6.6 Cable Managers (Qty-24): *Vertical and horizontal cable management accessories installed within racks to organize, support, and route network and power cables, maintaining airflow, reducing cable strain, and improving ease of maintenance.*

3.3.6.7 42U Cabinets (Qty-12): *Enterprise-grade 42U 600*100mm cabinets designed to securely house, switches, patch panels, and related equipment, with proper ventilation, cable management, and physical access control.*

3.3.6.8 Office supply, delivery, Installations, testing and commissioning (Qty-23): *Complete structured cabling installation works for office environments, including cable routing, termination, testing, labeling, certification, and documentation, carried out in accordance with TIA/EIA-568 standards to ensure reliable and scalable network connectivity*

3.3.7 Fire Suppression:

3.3.7.1 FM200 / NOVEC 1230 Fire Suppression System (Qty 1): *Clean-agent fire suppression system using FM-200 or NOVEC™ 1230, designed for data-center environments, capable of rapid fire detection and total-flood discharge without damaging electronic equipment, leaving no residue, and safe for occupied spaces; the system shall comply with applicable NFPA and ISO clean-agent fire suppression standards and include automatic and manual activation with safety interlocks.*

3.3.7.2 VESDA – Early Smoke Detection Aspirating System (Qty 1):

High-sensitivity aspirating smoke detection system designed for early detection of incipient fires in data-center environments, capable of continuous air sampling, multi-level alarm thresholds, and integration with the fire alarm control panel to trigger early warning and suppression sequences.

3.3.7.3 Fire Panel – Addressable Fire Alarm Control Panel (Qty 1):

Certified Category 6A copper cabling supplied in standard rolls, designed to support 10Gbps Ethernet transmission, low crosstalk, and high-performance data communication in accordance with TIA/EIA-568 standards

3.3.7.4 Detectors–Smoke & Heat Detectors (Qty 12): Utilize photoelectric (optical) sensing technology suitable for detecting smoldering and incipient fires common in electronic equipment, while heat detectors shall provide fixed-temperature and/or rate-of-rise detection to respond to rapid temperature increases. Detectors shall operate on low-voltage power supplied by the fire alarm loop**3.3.6.5 Fire Piping – Cylinders, Nozzles & Distribution Network (Qty 1):**

Cylinders shall be constructed from high-strength steel or approved equivalent, fitted with pressure-rated valves, safety relief devices, pressure gauges, and actuation mechanisms suitable for automatic and manual discharge. Discharge nozzles shall be designed to provide even agent dispersion, prevent localized over-concentration, and be positioned to ensure full coverage of the protected area without obstruction. The piping network shall be manufactured from approved pressure-rated materials, securely supported and routed to maintain system integrity, minimize pressure loss, and comply with clean-agent system design standards.

3.3.6.6 EPO System – Emergency Power-Off Button (Qty 1): Emergency Power-Off (EPO) system consisting of clearly labeled, easily accessible emergency shut-down push buttons designed to safely and immediately disconnect power to critical electrical systems during fire or emergency conditions, integrated with the fire alarm and suppression systems and compliant with electrical safety standards.**3.3.8 Precision Cooling:****3.3.8.1 Precision AC Units (Qty 2):** Units shall feature a high sensible heat ratio ($SHR \geq 0.9$), variable-speed or inverter-driven compressors and fans, and high-efficiency heat exchangers to optimize energy consumption. Have a cooling capacity of 7-12Kw per Unit. The system shall support tight environmental control, with temperature control accuracy of $\pm 1^\circ\text{C}$ and relative humidity control accuracy of $\pm 5\%$ RH. Units shall include redundant critical

components, onboard microprocessor-based controllers, and full alarm and fault diagnostics. PAC units shall be compatible with hot-aisle / cold-aisle containment layouts and shall support top or bottom air discharge as required by rack configuration. Units shall integrate with the facility’s Building Management System (BMS) or Data Centre Infrastructure Management (DCIM) platform via standard protocols (e.g., SNMP, Modbus, or BACnet). The solution shall include outdoor condenser units (where applicable), refrigerant piping, isolation valves, electrical connections, and all accessories required for a complete and operational installation. Equipment shall be energy-efficient, low-noise, and compliant with applicable international standards for data center cooling and environmental safety.

3.3.8.2 Redundant Fans (Qty 1): *Energy-efficient, low-noise, suitable for continuous operation, and compatible with hot-aisle/cold-aisle configurations. Fans shall be controllable manually or via an automated control system where applicable.*

3.3.8.3 Aisle Containment (Qty 1): *The containment solution shall be modular and compatible with standard server racks, comprising roof panels, end-of-row doors, and sealing components to fully enclose the selected aisle. Materials shall be durable, fire-retardant, and compliant with relevant data-center safety standards, while allowing adequate lighting, airflow management, and cable access. The system shall support integration with existing precision air conditioning (PAC) units, allow for future expansion or reconfiguration, and be installed in a manner that maintains accessibility, safety, and uninterrupted data-center operations.*

3.3.8.4 Temperature and humidity sensors (Qty 6): *The sensors shall provide real-time measurement of ambient temperature and relative humidity with high accuracy, support configurable threshold alerts, and enable historical data logging. Devices shall be suitable for rack-level, aisle-level, or room-level deployment. Where possible the devices should be capable of integration with BMS, DCIM, or environmental monitoring systems via standard communication protocols. Sensors shall be designed for 24×7 operation, low power consumption, and reliable performance in mission-critical server spaces, and shall comply with applicable data center environmental monitoring standards.*

3.3.8.5 Condenser Units (Qty 2): *The sensors shall provide real-time measurement of ambient temperature and relative humidity with high accuracy, support configurable threshold alerts, and enable historical data logging. Devices shall be suitable for rack-level, aisle-level, or room-level deployment. Where possible the devices should be capable of integration with BMS, DCIM, or*

environmental monitoring systems via standard communication protocols. Sensors shall be designed for 24×7 operation, low power consumption, and reliable performance in mission-critical server

3.3.9 UPS System:

3.3.9.1 Double-conversion Uninterruptible Power Supply (UPS) (Qty 1):

Units shall feature a high sensible heat ratio (SHR ≥ 0.9), variable-speed or inverter-driven compressors and fans, and high-efficiency heat exchangers to optimize energy consumption. Have a cooling capacity of 7-12Kw per Unit. The system shall support tight environmental control, with temperature control accuracy of ±1°C and relative humidity control accuracy of ±5% RH. Units shall include redundant critical components, onboard microprocessor-based controllers, and full alarm and fault diagnostics. PAC units shall be compatible with hot-aisle / cold-aisle containment layouts and shall support top or bottom air discharge as required by rack configuration. Units shall integrate with the facility’s Building Management System (BMS) or Data Centre Infrastructure Management (DCIM) platform via standard protocols (e.g., SNMP, Modbus, or BACnet). The solution shall include outdoor condenser units (where applicable), refrigerant piping, isolation valves, electrical connections, and all accessories required for a complete and operational installation. Equipment shall be energy-efficient, low-noise, and compliant with applicable international standards for data center cooling and environmental safety.

3.3.9.2 Battery Bank (Qty 1): *provide 30–60 minutes backup autonomy at rated UPS load, compatible with a 20 kW modular double-conversion UPS, using VRLA or lithium-ion batteries, complete with DC protection, monitoring capability, ventilated enclosure with acceptable material, and compliance with applicable international safety and electrical standards.*

3.3.9.3 Managed PDUs (Qty 6): *overload and branch-circuit protection with alarms and configurable thresholds aligned to UPS capacity limits, support SNMP, HTTP/HTTPS, and Modbus for integration with UPS monitoring, BMS, or DCIM systems, include multiple IEC C13/C19 outlets suitable for servers, storage, and network equipment powered by the UPS, can feature a local LCD/LED display for real-time status of UPS-fed power, and ensure secure access through user authentication and role-based control.*

3.3.9.4 Surge Protection Device (Qty 1): *Type 1 SPDs for service entrance and lightning current protection, Type 2 SPDs for distribution-level surge suppression, and Type 3 SPDs for point-of-use protection of sensitive ICT and data-center equipment. SPDs shall be coordinated to ensure staged protection, feature visual and/or remote status indicators, support replacement of protection modules, and be*

suitable for continuous operation. Devices shall comply with relevant international standards for surge protection and electrical safety and be compatible with the facility's UPS and power distribution systems.

3.3.9.5 Monitoring module (Qty 1): *The module shall provide real-time monitoring of power, battery, and environmental parameters, support SNMP v1/v2c/v3 with secure authentication and encryption, and generate configurable alarms and alerts. It shall support integration with UPS monitoring software, BMS, and DCIM platforms, allow remote management via web interface, and support event logging and reporting*

3.3.9.6 Automatic Transfer Switch (Qty 1): *fully automatic, electrically operated switching device designed to provide uninterrupted power transfer between two independent power sources (Utility/Mains and Generator or Utility and Alternate UPS feed). The ATS shall ensure continuous, safe, and reliable power supply to critical ICT, data center, and security equipment. Electrical Characteristics: Rated operating voltage: 220–240V AC, 50Hz (single-phase or three-phase as applicable); Rated current capacity: Not less than 100A (or sized to match UPS input rating); Short-circuit withstand rating: ≥ 25 kA; Transfer time: ≤ 5 seconds (or configurable for UPS compatibility)*

3.4 Standard Software Specifications

3.4.1 Enterprise windows license perpetual (3): *License must be genuine, vendor-supported, and transferable to replacement hardware in case of failure. Software must be supplied with proof of license ownership and activation keys.*

Category	Specification
Software Type	Enterprise server operating system
Licensing Model	Perpetual license (one-time purchase with indefinite usage rights)
Edition	Windows Server Datacenter Edition (or Enterprise-equivalent)
License Scope	Licensed per physical server (minimum 16-core license per server)
Supported Workloads	Database servers, application servers, file services, GIS services, authentication services, and enterprise middleware
High Availability	Supports clustering, failover, live migration, and fault-tolerant workloads

Security Features	Secure Boot, TPM 2.0 support, BitLocker, Shielded VMs, Credential Guard, role-based access control	
Identity Integration	Native integration with Microsoft Active Directory Domain Services	
Management & Monitoring	Centralized management via Windows Admin Center, PowerShell, and enterprise monitoring tools	
Networking	Advanced networking including VLANs, NIC teaming, software-defined networking, and encrypted traffic	
Storage Features	Storage Spaces, storage replication, deduplication, and SAN integration	
Compatibility	Fully compatible with enterprise virtualization platforms and backup solutions	
Updates & Patching	Supports long-term servicing with security and quality updates	
Compliance	Meets enterprise security, audit, and regulatory compliance requirements	
Documentation & Support	Vendor documentation included; eligible for extended support contracts	

3.5 Consumables

3.5.1 Printer Ink / Toner – Printer Type 1: The supplier must ensure that consumables are readily available in Kenya for all hardware items such as printers that require the consumables

3.6 Other Non-IT Goods

- 3.6.1 Workstation Desks:
- 3.6.2 Photocopiers:
- 3.6.3 Specialized Mechanical Systems – Datacenter *[for example, specify: raised floor system, electrical distribution subsystem, etc.]*

E. TESTING AND QUALITY ASSURANCE REQUIREMENTS

4.1 Inspections

4.1.1 Factory Inspections: Inspections following delivery: Factory inspections may be conducted at the discretion of the Purchaser or its authorized

representative for critical infrastructure components prior to shipment to the Site(s). Where undertaken, the inspections shall apply to the following items.

Items subject to factory inspection

- Enterprise servers, storage arrays, SAN switches, core network switches
- Enterprise firewalls and security appliances
- UPS systems and precision cooling equipment
- Backup appliances and related software licenses

Inspection criteria

- Verification of manufacturer authenticity and conformity with approved technical specifications
- Confirmation of model numbers, hardware configurations, serial numbers, and licensing entitlements
- Verification of factory pre-installation checks, burn-in testing, and quality certifications
- Confirmation that firmware, BIOS, and hardware revisions meet vendor-recommended stable releases

Methods

- Review of manufacturer test reports and certificates of conformity
- Visual inspection and configuration verification (where physical inspection is conducted)
- Validation of packing, labeling, and environmental protection for transport
- Documentation of inspection outcomes in a Factory Inspection Report (FIR)

4.1.2 Inspections following delivery: Upon delivery and unpacking at the Site(s), the Purchaser or its authorized representative shall conduct delivery inspections covering all Information Technologies and related Goods.

Inspection scope

- Physical condition of equipment (no transit damage)
- Verification against delivery notes, Bills of Lading, and approved Bills of Quantities
- Confirmation of quantities, serial numbers, and asset tags
- Verification of included accessories, licenses, cables, mounting kits, and documentation

Inspection methods

- Physical visual inspection
- Cross-checking against approved technical schedules and BOM
- Power-on inspection (where applicable) without full commissioning
- Recording of discrepancies in a Delivery Inspection Report (DIR)

Only equipment that passes delivery inspection shall be approved for installation.

4.2 Pre-commissioning Tests

4.2.0 In addition to the Supplier’s standard check-out and set-up tests, the Supplier (with the assistance of the Purchaser) must perform the following tests on the System and its Subsystems before Installation will be deemed to have occurred and the Purchaser will issue the Installation Certificate(s) (pursuant to GCC Clause 26 and related SCC clauses).

4.2.1 Data Centre Infrastructure (Power, Cooling, Fire & Physical Security): This subsystem covers the data center physical environment, including power systems, cooling, fire suppression, environmental monitoring, and physical access controls.

Tests

- Verification of UPS installation, configuration, and load handling
- Battery autonomy test under simulated load conditions
- Automatic Transfer Switch (ATS) operation and source changeover testing
- Precision cooling system operation and redundancy validation
- Environmental monitoring sensor functionality (temperature, humidity, leak detection)
- Fire suppression system control logic and alarm interface testing (FM200 / NOVEC)
- Emergency Power-Off (EPO) functionality test
- Physical access control system test (biometric access, door locks, audit logs)

Test Conditions

- All equipment installed, powered, and connected as per approved designs
- Simulated utility power failure and recovery
- Controlled environmental operating conditions
- Fire system testing conducted in compliance with safety regulations and manufacturer guidance

Success Criteria

- Uninterrupted power delivery during simulated failures
- Cooling systems maintain design temperature and humidity thresholds
- Fire detection and suppression systems respond correctly without false activation
- Environmental monitoring accurately reports conditions
- Physical access controls restrict access to authorized users only

Testing shall be done for the system as per the guidance and expertise of the supplier

4.2.2 Network and Structured Cabling Infrastructure: This subsystem covers structured cabling, network backbone, active network devices, and wireless infrastructure.

Tests

- Cat6A copper cabling certification tests using calibrated certification tools
- Fiber backbone continuity and attenuation testing
- Verification of patch panels, labeling, and cable management
- Core, distribution, and access switch power-on and configuration validation
- VLAN, routing, and segmentation verification
- Wireless access point connectivity and coverage testing
- Baseline firewall interface and policy verification

Test Conditions

- All cabling fully terminated, labeled, and documented
- Network devices installed and powered
- Baseline configurations applied in accordance with approved network design

Success Criteria

- All structured cabling links pass applicable international standards
- Network backbone operates at designed bandwidth and latency
- Secure and stable connectivity established across all defined network segments
- Wireless infrastructure provides expected coverage and availability

4.2. N The Entire System: Pre-commissioning Tests for the entire System are: These tests validate the integrated operation of all subsystems prior to commissioning.

Tests

- Power-on self-tests and hardware health verification for servers, storage, and network devices
- Verification of server-to-storage connectivity and SAN visibility
- Virtualization platform installation and cluster formation checks
- Initial storage configuration and redundancy verification
- Backup system connectivity and test backup execution
- Baseline cybersecurity configuration checks
- Verification of system monitoring and alerting mechanisms

Test Conditions

- All subsystems installed and individually tested
- System operating under normal, non-production load conditions

Success Criteria

- All components interoperate without errors
- No critical alarms, faults, or configuration issues detected
- System is stable and ready for full operational acceptance testing
- Pre-commissioning test documentation completed and approved by the Purchaser

4.3 Operational Acceptance Tests

4.3.0 Pursuant to GCC Clause 27 and related SCC clauses, the Purchaser (with the assistance of the Supplier) will perform the following tests on the System and its Subsystems following Installation to determine whether the System and the Subsystems meet all the requirements mandated for Operational Acceptance.

4.3.1 Enterprise Compute, Storage, and Virtualization Infrastructure Operational Acceptance Tests for the enterprise compute, storage, and virtualization subsystem shall confirm that servers, storage systems, SAN connectivity, and the virtualization platform operate reliably under normal and peak workloads. Tests shall include validation of virtual machine deployment, clustering, high-availability configuration, live migration, and failover behavior in the event of simulated hardware or node failures. Storage performance, redundancy, and replication mechanisms shall be verified, and backup and restore operations shall be tested to confirm data integrity

and recoverability. Tests shall be conducted under production-equivalent conditions, and success shall be achieved when services remain continuously available during failover events, performance meets or exceeds design specifications, data is preserved without loss or corruption, and all system health indicators operate within acceptable thresholds.

4.3.2 Network, Security, and Identity Infrastructure Operational Acceptance Tests for the network, security, and identity subsystem shall validate stable and secure end-to-end connectivity across the data centre, headquarters, and regional offices. Tests shall include verification of routing, switching, VLAN segmentation, and wireless connectivity, as well as firewall policy enforcement, VPN connectivity, and intrusion prevention functionality. Identity and access management tests shall confirm user authentication, role-based access control, Group Policy enforcement, audit logging, and integration with enterprise systems. Testing shall be conducted under realistic operational conditions, including authorized and unauthorized access attempts. Successful acceptance shall be achieved when all users and systems authenticate correctly, security controls enforce defined policies without service disruption, threats are detected and logged appropriately, and network performance remains stable and secure.

4.3. N The Entire System: Pre-commissioning Tests for the entire System are: Operational Acceptance Tests for the entire System shall verify the integrated operation of all subsystems as a single, cohesive production environment. These tests shall include end-to-end system operation under normal and peak load conditions, validation of inter-subsystem dependencies, monitoring and alerting verification, and confirmation of operational procedures. Where applicable, simulated disaster recovery and system restoration scenarios shall be executed to validate resilience and recoverability. User acceptance testing shall be conducted using representative operational workflows to confirm system usability and readiness for live operation. The System shall be deemed to have successfully passed Operational Acceptance when it operates continuously without critical faults, meets all contractual technical requirements, all documentation and training obligations have been fulfilled, and the Purchaser formally confirms readiness for production use through issuance of the Operational Acceptance Certificate.

Note: *The complexity of the Operational Acceptance Testing needed will vary in accordance with the nature and complexity of the System being procured. For simpler Information Systems Operational Acceptance Testing may simply consist of requiring a specified period of trouble-free System or Subsystem operation under normal operating conditions. For more complex Systems, Operational Acceptance testing will require extensive, clearly defined tests under either production or mock-production conditions.*

F. SERVICE SPECIFICATIONS – RECURRENT COST ITEMS

5.1 Warranty Defect Repair

5.1.1 The Supplier MUST provide the following services under the Contract or, as appropriate under separate contracts (as specified in the bidding documents).

5.1.1.1 Warranty Defect Repair Service: *The warranty defect and repair period will be identified for each of the items that is being supplied and where applicable. Under the period of warrant, the supplier is expected to support the purchaser, in dealing with issues such as repairs, replacements and troubleshooting of items that fail to perform as per intended way during commissioning of the installed hardware system*

5.2 Technical Support

5.2.1 The Supplier MUST provide the following services under the Contract or, as appropriate under separate contracts (as specified in the bidding documents).

5.2.1.1 User support / hot line: The Supplier shall provide a centralized user support and help desk service to receive, log, track, escalate, and resolve operational and technical issues reported by WRA users. The help desk shall operate during business hours from Monday to Friday between 08:00 and 17:00 local time, with 24×7 support coverage provided for mission-critical systems including the data center, core network, security infrastructure, and power systems. Support shall be accessible through multiple channels, including a telephone hotline, email-based ticketing, and where available, a web-based service management portal. The Supplier shall adhere to defined response and resolution timelines based on incident severity, ensuring rapid response to critical incidents such as system outages or security events, and timely resolution of high, medium, and low priority issues. All incidents shall be documented and reported to the Purchaser through periodic service reports.

5.2.1.2 Technical Assistance: The Supplier shall make available qualified and certified technical personnel to provide advanced technical assistance throughout the support period. This shall include systems engineers, network engineers, cybersecurity specialists, data center and power specialists, and software or platform specialists as required. Technical assistance shall cover activities such as advanced troubleshooting, performance optimization, configuration management, security hardening, patching and upgrades, system health checks, and advisory support for capacity planning and future

expansion. The Supplier shall provide both remote and on-site technical assistance, with response times varying according to the criticality of the affected system, ensuring that data center, security, and core network issues receive the highest priority and fastest response.

5.2.1.3 Post-Warranty Maintenance Services: Upon expiry of the warranty period, the Supplier shall offer post-warranty maintenance services (where applicable) under a separate maintenance or support agreement. These services shall provide continued technical support, preventive maintenance, corrective maintenance, and access to replacement parts for all supplied systems. Post-warranty support shall be delivered through a combination of remote diagnostics, on-site interventions, and authorized repair or replacement through approved service centers. The Supplier shall maintain defined response and resolution timelines, prioritizing mission-critical systems such as data center infrastructure, storage, firewalls, and power systems, and shall provide escalation mechanisms, availability of spare parts within Kenya or the region, periodic preventive maintenance visits, and regular system health and performance reports to ensure continued reliability and availability of GWIS and WRA ICT systems.]

5.3 Requirements of the Supplier’s Technical Team

5.3.1 The Supplier MUST provide a technical team to cover the Purchaser’s anticipated Post-Operational Acceptance Technical Assistance Activities Requirements (e.g., modification of the Information System to comply with changing legislation and regulations) with the roles and skill levels that are specified below. The minimum expected quantities of inputs by the Supplier’s technical support team are specified in the relevant System Inventory Tables for Recurrent Cost Items.

5.3.1.1 **Project Manager**: Bachelor’s Degree in IT, Computer Science, Engineering, or a related field; minimum of ten (10) years’ experience managing large-scale ICT infrastructure projects; demonstrated successful experience in data center implementation, structured cabling, enterprise networking, and cybersecurity projects; certification in ICT project management-related disciplines will be an added advantage

5.3.1.2 **Systems Engineer**: Bachelor’s Degree in IT, Computer Engineering, or a related field; Microsoft Server/Azure Administrator and VMware VCP certifications (mandatory); minimum of five (5) years’ experience in enterprise server, storage, SAN, and virtualization environments; demonstrated successful experience in implementing high-availability clusters and enterprise backup and recovery systems.

5.3.1.3 Network Engineer: Bachelor’s Degree in IT, Telecommunications Engineering, or a related field; CCNA certification (mandatory) and CCNP certification for lead engineers; minimum of five (5) years’ experience in enterprise networking environments including routing, switching, VPNs, and network segmentation; demonstrated successful experience with firewall technologies, preferably Fortinet NSE4/NSE5 or equivalent.

5.3.1.4 Structured Cabling Technician: Diploma or Certificate in ICT, Telecommunications, or Electrical Engineering; Fluke DSX cable testing competency; minimum of three (3) years’ experience installing Cat6A and fiber optic cabling in accordance with TIA/EIA standards; demonstrated successful experience in structured cabling projects within data center or enterprise environments.

5.3.1.5 Cybersecurity Specialist: Bachelor’s Degree in Cybersecurity, IT, or a related field; CEH and CompTIA Security+ certifications or equivalent (mandatory); CISSP or CISM certification will be an added advantage; minimum of five (5) years’ experience in cybersecurity operations; demonstrated successful experience in endpoint detection and response (EDR), firewall management, and incident response.

5.3.1.3 Quality Assurance (QA) Engineer: Bachelor’s Degree in IT, Engineering, or Quality Management; minimum of five (5) years’ experience in ICT quality assurance; demonstrated successful experience in infrastructure testing, system validation, and compliance audits against applicable ICT and security standards.

Note: *The Technical Assistance Team specification may be used to develop bid prices for technical support Recurrent Costs. These may be included in the main Contract or be subject to separate contracts. In either regard, to obtain meaningful and comparable bid prices, the Purchaser will need to specify the roles of the technical support team members in this section and indicate the quantities of the corresponding inputs in the Systems Inventory Tables for Recurrent Cost items.*

Implementation Schedule

Notes on preparing the Implementation Schedule

The Implementation Schedule summarize when and where Installation, and Operational Acceptance should take place for all Subsystems and/or major components of the System, and for the overall System itself – as well as any other major Contract milestones.

Note: *The delivery date is not presented in the Implementation Schedule. Under Incoterms 2010 for CIP, Delivery refers to the date when the Supplier delivers the goods to the first carrier at the port of embarkation, not to the arrival of the goods at the destination site. Delivery (shipment) date therefore varies according to the country of origin of the goods and the Supplier's chosen method of transport.*

The target dates need to be realistic and achievable in light of the capacity of both the average Supplier and the Purchaser to carry out their respective contract obligations. Also, the Purchaser must take care to ensure that the dates specified in the Schedule are consistent with any specified elsewhere in the bidding document, especially in the GCC/SCC (e.g., and/or times specified for the submission and acceptance of the Agreed Project Plan).

The work breakdown structure (deliverables) in the Implementation Schedule should be sufficiently detailed to facilitate careful management of the Contract – but not so detailed that it unnecessarily constrains bidders from organizing the proposed work in the most efficient and effective manner.

To facilitate the bidding and the contract management processes, the Implementation Schedule, the System Inventory Tables and Price Schedules should be closely linked. In particular, the Implementation Schedule defines the major deliverable Subsystems. For each Subsystem there should be a corresponding System Inventory Table or Tables. These System Inventory Tables catalog the specific items (inputs) comprising the Subsystem, as well as the quantities of each item required (for the supply and install cost items as well as the recurrent cost items). For each System Inventory Table there should be a corresponding Price Schedule that closely mirrors the System Inventory Table. Careful development of these materials will greatly improve the chances of obtaining complete and comparable bids (and ease the bid evaluation process) as well as improving the likelihood that the Purchaser's and Supplier's interactions during contract execution are closely orchestrated (thus easing the burden of contract management and improving the likelihood of successful implementation of the Information System).

The sample tables comprise:

- (a) *An Implementation Schedule Table;*
- (b) *A Site Table(s); and*
- (c) *A Table of Holidays and other Non-Working Days.*

The Purchaser should modify these tables, as required, to suit the particulars of the System (and Subsystems) to be supplied and installed. The sample text in the tables is illustrative only and should be modified or deleted as appropriate.

The timings stated in the Implementation Schedule should be specified in weeks from Contract Effectiveness. This will ease the maintenance of the bidding documents during the preparation and bidding processes.

Where appropriate, the Implementation Schedule should indicate the deliverables against which Liquidated Damages may be applied in the event of implementation delays arising from the actions of the Supplier (as governed by the SCC and GCC clause 28). These milestones should be kept to the essential minimum needed by the Purchaser to ensure contract discipline by the Supplier – but not so many that they unnecessarily strain the Purchaser-Supplier relationship upon which the successful implementation of the Information System will invariably depend.

The Site Table(s) catalog the physical location of the site(s) where the System is to be supplied, installed, and operated. The site(s) may consist of a number of branch offices in remote regions, different departments or offices in the same city, or a combination of these. The Purchaser must specify this information in sufficient detail so that Bidders can accurately estimate costs related to:

- (a) *Delivery and insurance;*
- (b) *Installation, including cabling and inter-building communications, etc.*
- (c) *Perform support services, such as warranty defect repair, maintenance, and other technical support services; and*
- (d) *Other related Service obligations the successful Bidder will have to perform under the Contract, including related travel and subsistence costs.*

This information will also help Bidders identify which site(s) may warrant a site visit during the period they are preparing their bids. If the System presents complex installation challenges, site layout drawings should be included in the Background and Informational Materials Section.

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A. IMPLEMENTATION SCHEDULE TABLE

[Specify desired installation and acceptance dates for all items in Schedule below, modifying the sample line items and sample table entries as needed.]

Line Item No.	Subsystem / Item	Configuration Table No.	Site / Site Code	Delivery (Bidder to specify in the Preliminary Project Plan)	Installation (weeks from Effective Date)	Acceptance (weeks from Effective Date)	Liquidated Damages Milestone
0	Project Plan	--	--		--	W__	no
1	Subsystem 1	1	___		--	--	--
:	etc.						
x	Operational Acceptance of the System as an integrated whole	--	all sites		--	W__	yes
y	Recurrent Cost Items – Warranty Period	y	--				

Note: Refer to the System Inventory Table(s) for the specific items and components that constitute the Subsystems or item. Refer to the Site Table(s) below for details regarding the site and the site code.

-- indicates not applicable. "Indicates repetition of table entry above."

B. SITE TABLE(S)

[Specify: the detailed information regarding the site(s) at which the System is to be operated]

Site Code	Site	City / Town / Region	Primary Street Address	Drawing Reference No. (if any)
HQ	Headquarters			
R1	Region 1			
R1.1	Region 1 Head Office			
R1.2	ABC Branch Office			
R1.3	DEF Branch Office			

C. TABLE OF HOLIDAYS AND OTHER NON-WORKING DAYS

[Specify: the days for each month for each year that are non-working days, due to Holidays or other business reasons (other than weekends).]

System Inventory Tables

Notes on preparing the System Inventory Tables

The System Inventory Tables detail:

- (a) for each Subsystem (Deliverable) indicated in the Implementation Schedule, the Information Technologies, Materials, and other Goods and Services that comprise the System to be supplied and/or performed by the Supplier;
- (b) the quantities of such Information Technologies, Materials, and other Goods and Services;
- (c) the sites and the location of each on a specific site (e.g., building, floor, room, department, etc.)
- (d) the cross references to the relevant section of the Technical Requirements where that item is described in greater detail

The Purchaser should modify these tables, as required, to suit the particulars of the System (and Subsystems) to be supplied and installed. The sample text provided for various sections of the tables is illustrative only and should be modified or deleted as appropriate.

There are two sample formats given for the System Inventory Tables: one for the Supply and Installation cost items and the second for Recurrent Cost Items needed (if any). The second version of the table permits the Purchaser to obtain price information about items that are needed during the Warranty Period.

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SYSTEM INVENTORY TABLE (SUPPLY AND INSTALLATION COST ITEMS) [

Note that for all Items in the Inventory, the contract will involve supply, installation and commissioning of the items

Line item number: [specify: *relevant line item number from the Implementation Schedule (e.g., 1.1)*]

[as necessary for the supply and installation of the System, specify: **the detailed components and quantities in the System Inventory Table below for the line item specified above, modifying the sample components and sample table entries as needed. Repeat the System Inventory Table as needed to cover each and every line item in the Implementation Schedule that requires elaboration.**]

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity
1	Enterprise Servers	Please refer to the Technical Specifications No. 3.1.1	Data Centre / Server Room	3
2	Enterprise Storage Arrays	Please refer to the Technical Specifications No. 3.1.2	Data Centre / Server Room	2
3	Backup Appliances and Software	Please refer to the Technical Specifications No. 3.1.3	Data Centre / Server Room	1
4	Core Data Switches	Please refer to the Technical Specifications No. 3.1.4	Data Centre / Network Core	2
5	Branch Access Switches	Please refer to the Technical Specifications No. 3.1.5	WRA Branch Offices / Network Closets	39
6	SAN Switches	Please refer to the Technical Specifications No. 3.1.6	Data Centre / Storage Network	2
7	Identity and Access Management System	Please refer to the Technical Specifications No. 3.1.7	Data Centre / ICT Infrastructure	1
8	Professional Business Laptops	Please refer to the Technical Specifications No. 3.1.8	Groundwater Officers / Field & Office Use	52

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity
9	Virtualization Software License	Please refer to the Technical Specifications No. 3.1.10	Data Centre / Server Virtualization Layer	1
10	End Point Security	Please refer to the Technical Specifications No. 3.1.11	Enterprise Devices (Servers, PCs, Laptops)	200
11	Data Collection Kits	Please refer to the Technical Specifications No. 3.1.12	Field Operations / Groundwater Monitoring	10
12	Firewalls	Please refer to the Technical Specifications No. 3.1.13	Data Centre / Perimeter & WAN Security	2
13	Enterprise Access Points	Please refer to the Technical Specifications No. 3.1.14	Headquarters, Basin & Regional Offices	86
14	Monochrome Multifunctional Printers	Please refer to the Technical Specifications No. 3.1.15	WRA Offices / Departments	18
15	Card Printer	Please refer to the Technical Specifications No. 3.1.15.1	HR	1
16	Multifunction Printer	Please refer to the Technical Specifications No. 3.1.15.1	HoAGW4RP	1
17	Mobile Satellite Internet Devices	Please refer to the Technical Specifications No. 3.1.16	Remote Field Locations	2
18	All-in-One (AIO) Computers	Please refer to the Technical Specifications No. 3.1.17	WRA Offices / Meeting Rooms	145
19	Interactive Smart Boards	Please refer to the Technical Specifications No. 3.1.18	Boardrooms / Training Rooms	8
20	Field Android GPS Mappers	Please refer to the Technical Specifications No. 3.1.19	Field Operations / GIS & Groundwater Mapping	40
21	Enterprise Installation Services	Please refer to the Technical Specifications No. 3.1.20	Data Centre & WRA Offices	1

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity
22	Grounding	Please refer to the Technical Specifications No. 3.2.1	Data Centre / Server Room	1
23	Environmental Monitoring System	Please refer to the Technical Specifications No. 3.2.2	Data Centre / Server Room	1
24	Fire-Rated Door	Please refer to the Technical Specifications No. 3.2.3	Data Centre / Server Room Entrance	1
25	Cat6A Structured Cabling	Please refer to the Technical Specifications No. 3.2.4	Data Centre / Network Infrastructure	1
26	Fiber Backbone (OM4)	Please refer to the Technical Specifications No. 3.2.5	Data Centre / Rack Interconnections	1 (Lot)
27	Patch Panels (24-Port Cat6A)	Please refer to the Technical Specifications No. 3.2.6	Data Centre / Equipment Racks	8
28	Smart Power Distribution Units (PDUs)	Please refer to the Technical Specifications No. 3.2.7	Data Centre / Equipment Racks	6
29	Wi-Fi Access Points	Please refer to the Technical Specifications No. 3.2.8	Data Centre & Technical Offices	10
30	Wall-Mounted Cabinets	Please refer to the Technical Specifications No. 3.2.9	Data Centre / Network Points	3
31	Structured Cabling Accessories	Please refer to the Technical Specifications No. 3.2.10	Data Centre / Cabling Infrastructure	1
32	Data Centre Upgrade Works	Please refer to the Technical Specifications No. 3.2.11	Data Centre	1
33	Computer Power Backup Devices	Please refer to the Technical Specifications No. 3.3.1	WRA Offices / User Workstations	145
34	42U Enterprise Server Racks	Please refer to the Technical Specifications No. 3.3.2	Data Centre / Server Room	4

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity
35	Rack Accessories	Please refer to the Technical Specifications No. 3.3.3	Data Centre / Server Racks	1
36	Cable Containment System	Please refer to the Technical Specifications No. 3.3.4	Data Centre / Underfloor & Overhead Pathways	1
37	Biometric Access Control Terminals	Please refer to the Technical Specifications No. 3.3.5.1	Data Centre & Restricted ICT Rooms	2
38	Magnetic Locks	Please refer to the Technical Specifications No. 3.3.5.2	Data Centre & Restricted Access Doors	2
39	Access Control Panel	Please refer to the Technical Specifications No. 3.3.5.3	Data Centre & Critical ICT Rooms	1
40	Indoor Dome CCTV Cameras	Please refer to the Technical Specifications No. 3.3.5.4	Data Centre / Server Room / Restricted ICT Areas	6
41	Network Video Recorder (NVR)	Please refer to the Technical Specifications No. 3.3.5.5	Data Centre / Security Monitoring Point	1
42	Backup UPS for Biometric & Security Systems	Please refer to the Technical Specifications No. 3.3.5.6	Data Centre / Security Equipment	1
43	Patch Panels (Cat6A)	Please refer to the Technical Specifications No. 3.3.6.1	Communication Racks / Data Centre & Offices	43
44	Faceplates with Cat6A Modules	Please refer to the Technical Specifications No. 3.3.6.2	User Workstations / Offices	587
45	Cat6A Cable Rolls	Please refer to the Technical Specifications No. 3.3.6.3	Structured Cabling Infrastructure	64
46	In-Rack Patch Cords (Cat6A)	Please refer to the Technical Specifications No. 3.3.6.4	Equipment Racks	750
47	Workstation Patch Cords (Cat6A)	Please refer to the Technical Specifications No. 3.3.6.5	Offices / Workstations	760

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity
48	Cable Managers	Please refer to the Technical Specifications No. 3.3.6.6	Equipment Racks	24
49	42U Network Cabinets	Please refer to the Technical Specifications No. 3.3.6.7	Data Centre & Communication Rooms	12
50	Office Structured Cabling Installations	Please refer to the Technical Specifications No. 3.3.6.9	Offices & Work Areas	23
51	FM200 / NOVEC 1230 Fire Suppression System	Please refer to the Technical Specifications No. 3.3.7.1	Data Centre	1
52	VESDA – Early Smoke Detection System	Please refer to the Technical Specifications No. 3.3.7.2	Data Centre	1
53	Addressable Fire Alarm Control Panel	Please refer to the Technical Specifications No. 3.3.7.3	Data Centre / Fire Control Area	1
54	Smoke & Heat Detectors	Please refer to the Technical Specifications No. 3.3.7.4	Data Centre & Protected Areas	12
55	Fire Piping – Cylinders, Nozzles & Distribution Network	Please refer to the Technical Specifications No. 3.3.7.5	Data Centre	1
56	Emergency Power-Off (EPO) System	Please refer to the Technical Specifications No. 3.3.7.6	Data Centre / Emergency Points	1
57	Precision Air Conditioning (PAC) Units	Please refer to the Technical Specifications No. 3.3.8.1	Data Centre	2
58	Redundant Fans	Please refer to the Technical Specifications No. 3.3.8.2	Data Centre / Cooling Infrastructure	1
59	Hot/Cold Aisle Containment System	Please refer to the Technical Specifications No. 3.3.8.3	Data Centre	1
60	Temperature & Humidity Sensors	Please refer to the Technical Specifications No. 3.3.8.4	Data Centre / Racks & Aisles	6

Component No.	Component	Relevant Technical Specifications No.	Additional Site Information (e.g., building, floor, department, etc.)	Quantity
61	Condenser Units	Please refer to the Technical Specifications No. 3.3.8.5	External / Cooling Plant Area	2
62	Double-Conversion UPS System	Please refer to the Technical Specifications No. 3.3.9.1	Data Centre / Power Room	1
63	Battery Bank	Please refer to the Technical Specifications No. 3.3.9.2	Data Centre / UPS Room	1
64	Managed Power Distribution Units (PDUs)	Please refer to the Technical Specifications No. 3.3.9.3	Equipment Racks	6
65	Surge Protection Devices (SPD)	Please refer to the Technical Specifications No. 3.3.9.4	Electrical Panels / Data Centre	1
66	UPS Monitoring Module	Please refer to the Technical Specifications No. 3.3.9.5	Data Centre / Power Monitoring	1
67	Automatic Transfer Switch (ATS)	Please refer to the Technical Specifications No. 3.3.9.6	Data Centre / UPS & Power Distribution Room	1
68	Enterprise Windows Server License (Perpetual)	Please refer to the Technical Specifications No. 3.4.1	Data Centre / Server Virtualization Hosts	3

SYSTEM INVENTORY TABLE (RECURRENT COST ITEMS) [*INSERT: IDENTIFYING NUMBER*] –

Line item number: [*specify: relevant line item number from the Implementation Schedule (e.g., y.1)*]

Component No.	Component	Relevant Technical Specifications No.	Y1	Y2	Y3
1.	Warranty Defect Repair		all items, all sites, included in the Supply and Install Price	all items, all sites, included in the Supply and Install Price	all items, all sites, included in the Supply and Install Price
2.	Software/Firmware Licenses and Updates:		all items, all sites, included in the Supply and Install Price	all items, all sites, included in the Supply and Install Price	all items, all sites, included in the Supply and Install Price
3.	Technical Services				
3.1	Sr. Systems Analyst		80 days	40 days	20 days
3.2	Sr. Programmer		20 days	40 days	60 days
3.3	Sr. Network Specialist, etc.		--	20 days	20 days
	...				

Note: -- indicates not applicable. “ indicates repetition of table entry above.

Background and Informational Materials

Notes on Background and Informational Materials

This section of the bidding document provides a place to gather materials that the Purchaser believes will help Bidders prepare more precisely targeted technical bids and more precise bid prices.

These materials MUST NOT introduce requirements for the Information System. Rather they should assist Bidders to interpret the Technical Requirements and the General and Specific Conditions of Contract. For example, these Background and Informational Materials may describe existing information systems that the Information System to be supplied and installed under the Contract must integrate with. However, the specific requirement that the Supplier must integrate the Information System with other systems needs to be stated in the Technical Requirements. Similarly, these Background and Informational Materials may describe the legal and regulatory norms (including for example statutory report formats) that are relevant to the Information System. The Technical Requirements Section would need to spell out that the Supplier must ensure the Information System complies with the relevant legal and regulatory norms.

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Background and Informational Materials

Note: The following is only a sample outline. Entries should be modified, extended, and/or deleted, as appropriate for the particular System to be supplied and installed. DO NOT introduce requirements for the System in this section.

A. BACKGROUND

0.1 The Purchaser

- 0.1.1 [provide: an overview of the Agency’s legal basis, organizational role, and core objectives]
- 0.1.2 [provide: an overview of the stakeholders to the Information System]
- 0.1.3 [provide: an overview of the Purchaser’s project management and decision-making arrangements applicable to the System and performance of the Contract]

0.2 The Purchaser’s Business Objectives for the Information System

- 0.2.1 [provide: an overview of the current business objectives, procedures, and processes and how they will be affected by the System]
- 0.2.2 [provide: an overview of the changes in objectives, procedures, and processes to be made possible by the System]
- 0.2.3 [provide: a brief description of the expected benefits of the System]

B. INFORMATIONAL MATERIALS

0.3 The Legal, Regulatory, and Normative Context for the Information System

- 0.3.1 [provide: an overview of the laws, regulations and other formal norm which will shape the Information System.]
- 0.3.2 [provide: samples of existing standardized reports, data entry forms, data formats, data coding schemes, etc. which the Information System will need to implement.]

0.4 Existing Information Systems / Information Technologies Relevant to the Information System

- 0.4.1 [provide: an overview of the existing information systems and information technologies which will establish the technological context for the implementation of the Information System.]
- 0.4.2 [provide: an overview of the ongoing or planned information systems initiatives that will shape context for the implementation of the Information System.]

0.5 Available Training Facilities to Support the Implementation of the Information System

0.5.1 *[provide: an overview of the Purchaser’s existing training facilities that would be available to support the implementation of the Information System.]*

0.6 Site Drawings and Site Survey Information Relevant to the Information System

0.6.1 *[provide: information of the sites at which the Information System would be implemented.]*

PART 3 – CONDITIONS OF CONTRACT AND CONTRACT FORMS

SECTION VIII - GENERAL CONDITIONS OF CONTRACT

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General Conditions of Contract

A. CONTRACT AND INTERPRETATION

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated below.

(a) contract elements

- (i) “**Contract**” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein. The Contract Agreement and the Contract Documents shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.
- (ii) “**Contract Documents**” means the documents specified in Article 1.1 (Contract Documents) of the Contract Agreement (including any amendments to these Documents).
- (iii) “**Contract Agreement**” means the agreement entered into between the Purchaser and the Supplier using the form of Contract Agreement contained in the Sample Contractual Forms Section of the bidding documents and any modifications to this form agreed to by the Purchaser and the Supplier. The date of the Contract Agreement shall be recorded in the signed form.
- (iv) “**GCC**” means the General Conditions of Contract.
- (v) “**SCC**” means the Special Conditions of Contract.
- (vi) “**Technical Requirements**” means the Technical Requirements in Section VII of the bidding documents.
- (vii) “**Implementation Schedule**” means the Implementation Schedule in Section VII of the bidding documents.
- (viii) “**Contract Price**” means the price or prices defined in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement.

- (ix) “**Procurement Regulations**” refers to the edition **specified in the SCC** of the World Bank “Procurement Regulations for IPF Borrowers”.
- (x) “**bidding documents**” refers to the collection of documents issued by the Purchaser to instruct and inform potential suppliers of the processes for bidding, selection of the winning bid, and Contract formation, as well as the contractual conditions governing the relationship between the Purchaser and the Supplier. The General and Special Conditions of Contract, the Technical Requirements, and all other documents included in the bidding documents reflect the Procurement Regulations that the Purchaser is obligated to follow during procurement and administration of this Contract.
- (xi) “**Sexual Exploitation and Abuse**” “(SEA)” means the following:

Sexual Exploitation is defined as any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another.

Sexual Abuse is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions.

- (xii) “**Sexual Harassment**” “(SH)” is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature by the Supplier’s Personnel with other Supplier’s, Subcontractors’ or Purchaser’s personnel.

(b) entities

- (i) “**Purchaser**” means the entity purchasing the Information System, as **specified in the SCC**.
- (ii) “**Purchaser’s Personnel**” means all staff, labor and other employees of the Project Manager and of the Purchaser engaged in fulfilling the Purchaser’s obligations under the Contract; and any other personnel identified as Purchaser’s

Personnel, by a notice from the Purchaser to the Supplier;

(iii) **“Project Manager”** means the person **named as such in the SCC** or otherwise appointed by the Purchaser in the manner provided in GCC Clause 18.1 (Project Manager) to perform the duties delegated by the Purchaser.

(iv) **“Supplier”** means the firm or Joint Venture whose bid to **perform** the **Contract** has been accepted by the Purchaser and is named as such in the Contract Agreement.

(v) **“Supplier’s Representative”** means any person **ominated** by the Supplier and named as such in the Contract Agreement or otherwise approved by the Purchaser in the manner provided in GCC Clause 18.2 (Supplier’s Representative) to perform the duties delegated by the Supplier.

(vi) **“Supplier’s Personnel”** means all personnel whom the Supplier utilizes in the execution of the Contract, including the staff, labor and other employees of the Supplier and each Subcontractor; and any other personnel assisting the Supplier in the execution of the Contract;

(vii) **“Subcontractor”** means any firm to whom any of the obligations of the Supplier, including preparation of any design or supply of any Information Technologies or other Goods or Services, is subcontracted directly or indirectly by the Supplier.

(viii) **“Adjudicator”** means the person named in Appendix 2 of the Contract Agreement, **appointed** by agreement between the Purchaser and the Supplier to make a decision on or to settle any dispute between the Purchaser and the Supplier referred to him or her by the parties, pursuant to GCC Clause 43.1 (Adjudication).

(ix) **“The World Bank”** (also called “The Bank”) means the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).

(c) scope

- (i) “Information System,” also called “the System,” means all the Information Technologies, Materials, and other Goods to be supplied, installed, integrated, and made operational (exclusive of the Supplier’s Equipment), together with the Services to be carried out by the Supplier under the Contract.
- (ii) “Subsystem” means any subset of the System identified as such in the Contract that may be supplied, installed, tested, and commissioned individually before Commissioning of the entire System.
- (iii) “Information Technologies” means all information processing and communications-related hardware, Software, supplies, and consumable items that the Supplier is required to supply and install under the Contract.
- (iv) “Goods” means all equipment, machinery, furnishings, Materials, and other tangible items that the Supplier is required to supply or supply and install under the Contract, including, without limitation, the Information Technologies and Materials, but excluding the Supplier’s Equipment.
- (v) “Services” means all technical, logistical, management, and any other Services to be provided by the Supplier under the Contract to supply, install, customize, integrate, and make operational the System. Such Services may include, but are not restricted to, activity management and quality assurance, design, development, customization, documentation, transportation, insurance, inspection, expediting, site preparation, installation, integration, training, data migration, Pre-commissioning, Commissioning, maintenance, and technical support.
- (vi) “The Project Plan” means the document to be developed by the Supplier and approved by the Purchaser, pursuant to GCC Clause 19, based on the requirements of the Contract and the Preliminary Project Plan included in the Supplier’s bid. The “Agreed Project Plan” is the version of the Project Plan approved by the

Purchaser, in accordance with GCC Clause 19.2. Should the Project Plan conflict with the Contract in any way, the relevant provisions of the Contract, including any amendments, shall prevail.

- (vii) “Software” means that part of the System which are instructions that cause information processing Subsystems to perform in a specific manner or execute specific operations.
- (viii) “System Software” means Software that provides the operating and management instructions for the underlying hardware and other components, and is identified as such in Appendix 4 of the Contract Agreement and such other Software as the parties may agree in writing to be Systems Software. Such System Software includes, but is not restricted to, micro-code embedded in hardware (i.e., “firmware”), operating systems, communications, system and network management, and utility software.
- (ix) “General-Purpose Software” means Software that supports general-purpose office and software development activities and is identified as such in Appendix 4 of the Contract Agreement and such other Software as the parties may agree in writing to be General-Purpose Software. Such General-Purpose Software may include, but is not restricted to, word processing, spreadsheet, generic database management, and application development software.
- (x) “Application Software” means Software formulated to perform specific business or technical functions and interface with the business or technical users of the System and is identified as such in Appendix 4 of the Contract Agreement and such other Software as the parties may agree in writing to be Application Software.
- (xi) “Standard Software” means Software identified as such in Appendix 4 of the Contract Agreement and such other Software as the parties may agree in writing to be Standard Software.

- (xii) “Custom Software” means Software identified as such in Appendix 4 of the Contract Agreement and such other Software as the parties may agree in writing to be Custom Software.
- (xiii) “Source Code” means the database structures, dictionaries, definitions, program source files, and any other symbolic representations necessary for the compilation, execution, and subsequent maintenance of the Software (typically, but not exclusively, required for Custom Software).
- (xiv) “Materials” means all documentation in printed or printable form and all instructional and informational aides in any form (including audio, video, and text) and on any medium, provided to the Purchaser under the Contract.
- (xv) “Standard Materials” means all Materials not specified as Custom Materials.
- (xvi) “Custom Materials” means Materials developed by the Supplier at the Purchaser’s expense under the Contract and identified as such in Appendix 5 of the Contract Agreement and such other Materials as the parties may agree in writing to be Custom Materials. Custom Materials includes Materials created from Standard Materials.
- (xvii) “Intellectual Property Rights” means any and all copyright, moral rights, trademark, patent, and other intellectual and proprietary rights, title and interests worldwide, whether vested, contingent, or future, including without limitation all economic rights and all exclusive rights to reproduce, fix, adapt, modify, translate, create derivative works from, extract or re-utilize data from, manufacture, introduce into circulation, publish, distribute, sell, license, sublicense, transfer, rent, lease, transmit or provide access electronically, broadcast, display, enter into computer memory, or otherwise use any portion or copy, in whole or in part, in any form, directly or indirectly, or to authorize or assign others to do so.
- (xviii) “Supplier’s Equipment” means all equipment, tools, apparatus, or things of every kind required in or for installation, completion and

maintenance of the System that are to be provided by the Supplier, but excluding the Information Technologies, or other items forming part of the System.

(d) activities

- (i) “Delivery” means the transfer of the Goods from the Supplier to the Purchaser in accordance with the current edition Incoterms specified in the Contract.
- (ii) “Installation” means that the System or a Subsystem as specified in the Contract is ready for Commissioning as provided in GCC Clause 26 (Installation).
- (iii) “Pre-commissioning” means the testing, checking, and any other required activity that may be specified in the Technical Requirements that are to be carried out by the Supplier in preparation for Commissioning of the System as provided in GCC Clause 26 (Installation).
- (iv) “Commissioning” means operation of the System or any Subsystem by the Supplier following Installation, which operation is to be carried out by the Supplier as provided in GCC Clause 27.1 (Commissioning), for the purpose of carrying out Operational Acceptance Test(s).
- (v) “Operational Acceptance Tests” means the tests specified in the Technical Requirements and Agreed Project Plan to be carried out to ascertain whether the System, or a specified Subsystem, is able to attain the functional and performance requirements specified in the Technical Requirements and Agreed Project Plan, in accordance with the provisions of GCC Clause 27.2 (Operational Acceptance Test).
- (vi) “Operational Acceptance” means the acceptance by the Purchaser of the System (or any Subsystem(s) where the Contract provides for acceptance of the System in parts), in accordance with GCC Clause 27.3 (Operational Acceptance).

(e) place and time

- (i) “Purchaser’s Country” is the **country named in the SCC**.
- (ii) “Supplier’s Country” is the country in which the Supplier is legally organized, as named in the Contract Agreement.
- (iii) **Unless otherwise specified in the SCC** “Project Site(s)” means the place(s) in the Site Table in the Technical Requirements Section for the supply and installation of the System.
- (iv) “Eligible Country” means the countries and territories eligible for participation in procurements financed by the World Bank as defined in the Procurement Regulations.
- (v) “Day” means calendar day of the Gregorian Calendar.
- (vi) “Week” means seven (7) consecutive Days, beginning the day of the week as is customary in the Purchaser’s Country.
- (vii) “Month” means calendar month of the Gregorian Calendar.
- (viii) “Year” means twelve (12) consecutive Months.
- (ix) “Effective Date” means the date of fulfillment of all conditions specified in Article 3 (Effective Date for Determining Time for Achieving Operational Acceptance) of the Contract Agreement, for the purpose of determining the Delivery, Installation, and Operational Acceptance dates for the System or Subsystem(s).
- (x) “Contract Period” is the time period during which this Contract governs the relations and obligations of the Purchaser and Supplier in relation to the System, as **unless otherwise specified in the SCC**, the Contract shall continue in force until the Information System and all the Services have been provided, unless the Contract is terminated earlier in accordance with the terms set out in the Contract.
- (xi) “Defect Liability Period” (also referred to as the “Warranty Period”) means the period of validity of the warranties given by the Supplier commencing at date of the Operational Acceptance Certificate of the System or

Subsystem(s), during which the Supplier is responsible for defects with respect to the System (or the relevant Subsystem[s]) as provided in GCC Clause 29 (Defect Liability).

- (xii) “The Coverage Period” means the Days of the Week and the hours of those Days during which maintenance, operational, and/or technical support services (if any) must be available.
- (xiii) The Post-Warranty Services Period” means the number of years **defined in the SCC** (if any), following the expiration of the Warranty Period during which the Supplier may be obligated to provide Software licenses, maintenance, and/or technical support services for the System, either under this Contract or under separate contract(s).

2. Contract Documents

2.1 Subject to Article 1.2 (Order of Precedence) of the Contract Agreement, all documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary, and mutually explanatory. The Contract shall be read as a whole.

3. Interpretation

3.1 Governing Language

3.1.1 **Unless otherwise specified in the SCC**, all Contract Documents and related correspondence exchanged between Purchaser and Supplier shall be written in the language of these bidding documents (English), and the Contract shall be construed and interpreted in accordance with that language.

3.1.2 If any of the Contract Documents or related correspondence are prepared in a language other than the governing language under GCC Clause 3.1.1 above, the translation of such documents into the governing language shall prevail in matters of interpretation. The originating party, with respect to such documents shall bear the costs and risks of such translation.

3.2 Singular and Plural

The singular shall include the plural and the plural the singular, except where the context otherwise requires.

3.3 Headings

The headings and marginal notes in the GCC are included for ease of reference and shall neither constitute a part of the Contract nor affect its interpretation.

3.4 Persons

Words importing persons or parties shall include firms, corporations, and government entities.

3.5 Incoterms

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 the Incoterms

Incoterms means international rules for interpreting trade terms published by the International Chamber of Commerce (latest edition), 38 Cours Albert 1^{er}, 75008 Paris, France.

3.6 Entire Agreement

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

3.7 Amendment

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

3.8 Independent Supplier

The Supplier shall be an independent contractor performing the Contract. The Contract does not create any agency, partnership, joint venture, or other joint relationship between the parties to the Contract.

Subject to the provisions of the Contract, the Supplier shall be solely responsible for the manner in which the Contract is performed. All employees, representatives, or Subcontractors engaged by the Supplier in connection with the performance of the Contract shall be under the complete control of the Supplier and shall not be deemed to be employees of the Purchaser, and nothing contained in the Contract or in any subcontract awarded by the Supplier shall be construed to create any contractual relationship between

any such employees, representatives, or Subcontractors and the Purchaser.

3.9 Joint Venture

If the Supplier is a Joint Venture of two or more firms, all such firms shall be jointly and severally bound to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one of such firms to act as a leader with authority to bind the Joint Venture. The composition or constitution of the Joint Venture shall not be altered without the prior consent of the Purchaser.

3.10 Nonwaiver

3.10.1 Subject to GCC Clause 3.10.2 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, nor shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

3.10.2 Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, must be 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.

3.11 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.

3.12 Country of Origin

“Origin” means the place where the Information Technologies, Materials, and other Goods for the System were produced or from which the Services are supplied. Goods are produced when, through manufacturing, processing, Software development, or substantial and major assembly or integration of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components. The Origin of Goods and Services is distinct from the nationality of the Supplier and may be different.

4. Notices

4.1 Unless otherwise stated in the Contract, all notices to be given under the Contract shall be in writing and shall be sent, pursuant to GCC Clause 4.3 below, by personal delivery, airmail post, special courier, facsimile, electronic mail, or Electronic Data Interchange (EDI), with the following provisions.

4.1.1 Any notice sent by facsimile, electronic mail, or EDI shall be confirmed within two (2) days after dispatch by notice sent by airmail post or special courier, except as otherwise specified in the Contract.

4.1.2 Any notice sent by airmail post or special courier shall be deemed (in the absence of evidence of earlier receipt) to have been delivered ten (10) days after dispatch. In proving the fact of dispatch, it shall be sufficient to show that the envelope containing such notice was properly addressed, stamped, and conveyed to the postal authorities or courier service for transmission by airmail or special courier.

4.1.3 Any notice delivered personally or sent by facsimile, electronic mail, or EDI shall be deemed to have been delivered on the date of its dispatch.

4.1.4 Either party may change its postal, facsimile, electronic mail, or EDI addresses for receipt of such notices by ten (10) days' notice to the other party in writing.

4.2 Notices shall be deemed to include any approvals, consents, instructions, orders, certificates, information and other communication to be given under the Contract.

4.3 Pursuant to GCC Clause 18, notices from/to the Purchaser are normally given by, or addressed to, the Project Manager, while notices from/to the Supplier are normally given by, or addressed to, the Supplier's Representative, or in its absence its deputy if any. If there is no appointed Project Manager or Supplier's Representative (or deputy), or if their related authority is limited by the SCC for GCC Clauses 18.1 or 18.2.2, or for any other reason, the Purchaser or Supplier may give and receive notices at their fallback addresses. The address of the Project Manager and the fallback address of the Purchaser are as **specified in the SCC** or as subsequently established/amended. The address of the Supplier's Representative and the fallback address of the Supplier are as specified in Appendix 1 of the Contract Agreement or as subsequently established/amended.

5. Governing Law

5.1 The Contract shall be governed by and interpreted in accordance with the laws of the country **specified in the SCC**.

5.2 Throughout the execution of the Contract, the Supplier shall comply with the import of goods and services prohibitions in the Purchaser's Country when

- (a) as a matter of law or official regulations, the Borrower's country 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, the Borrower's Country prohibits any import of goods from that country or any payments to any country, person, or entity in that country.

6. Fraud and Corruption

6.1 The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in the Appendix 1 to the GCC.

6.2 The Purchaser requires the Suppliers to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the bidding 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.

B. SUBJECT MATTER OF CONTRACT

7. Scope of the System

7.1 Unless otherwise expressly **limited in the SCC** or Technical Requirements, the Supplier's obligations cover the provision of all Information Technologies, Materials and other Goods as well as the performance of all Services required for the design, development, and implementation (including procurement, quality assurance, assembly, associated site preparation, Delivery, Pre-commissioning, Installation, Testing, and Commissioning) of the System, in accordance with the plans, procedures, specifications, drawings, codes, and any other documents specified in the Contract and the Agreed Project Plan.

7.2 The Supplier shall, unless specifically excluded in the Contract, perform all such work and / or supply all such items

and Materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Operational Acceptance of the System as if such work and / or items and Materials were expressly mentioned in the Contract.

7.3 The Supplier's obligations (if any) to provide Goods and Services as implied by the Recurrent Cost tables of the Supplier's bid, such as consumables, spare parts, and technical services (e.g., maintenance, technical assistance, and operational support), are as **specified in the SCC**, including the relevant terms, characteristics, and timings.

8. Time for Commencement and Operational Acceptance

8.1 The Supplier shall commence work on the System within the period **specified in the SCC**, and without prejudice to GCC Clause 28.2, the Supplier shall thereafter proceed with the System in accordance with the time schedule specified in the Implementation Schedule and any refinements made in the Agreed Project Plan.

8.2 The Supplier shall achieve Operational Acceptance of the System (or Subsystem(s) where a separate time for Operational Acceptance of such Subsystem(s) is specified in the Contract) in accordance with the time schedule specified in the Implementation Schedule and any refinements made in the Agreed Project Plan, or within such extended time to which the Supplier shall be entitled under GCC Clause 40 (Extension of Time for Achieving Operational Acceptance).

9. Supplier's Responsibilities

9.1 The Supplier shall conduct all activities with due care and diligence, in accordance with the Contract and with the skill and care expected of a competent provider of information technologies, information systems, support, maintenance, training, and other related services, or in accordance with best industry practices. In particular, the Supplier shall provide and employ only technical personnel who are skilled and experienced in their respective callings and supervisory staff who are competent to adequately supervise the work at hand. The Supplier shall ensure that its Subcontractors carryout the work on the Information System in accordance with the Contract, including complying with relevant environmental and social requirements and the obligations set out in GCC Clause 9.9.

The Supplier shall at all times take all reasonable precautions to maintain the health and safety of the Supplier's Personnel employed for the execution of the Contract at the Project Site/s in the Purchaser's country where the Contract is executed.

If **required in the SCC**, the Supplier shall submit to the Purchaser for its approval a health and safety manual which has been specifically prepared for the Contract.

The health and safety manual shall be in addition to any other similar document required under applicable health and safety regulations and laws.

The health and safety manual shall set out any applicable health and safety requirement under the Contract,

(a) which may include:

- (i) the procedures to establish and maintain a safe working environment;
- (ii) the procedures for prevention, preparedness and response activities to be implemented in the case of an emergency event (i.e. an unanticipated incident, arising from natural or man-made hazards);
- (iii) the measures to be taken to avoid or minimize the potential for community exposure to water-borne, water-based, water-related, and vector-borne diseases,
- (iv) the measures to be implemented to avoid or minimize the spread of communicable diseases; and

(b) any other requirements stated in the Purchaser's Requirements.

9.2 The Supplier confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the System provided by the Purchaser and on the basis of information that the Supplier could have obtained from a visual inspection of the site (if access to the site was available) and of other data readily available to the Supplier relating to the System as at the date twenty-eight (28) days prior to bid submission. The Supplier acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Contract.

9.3 The Supplier shall be responsible for timely provision of all resources, information, and decision making under its control that are necessary to reach a mutually Agreed Project Plan (pursuant to GCC Clause 19.2) within the time schedule specified in the Implementation Schedule. Failure to provide such resources, information, and decision-making may constitute grounds for termination pursuant to GCC Clause 41.2.

9.4 The Supplier shall acquire in its name all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings in the Purchaser's Country that are necessary for the performance of the Contract, including, without limitation, visas for the Supplier's Personnel and entry permits for all imported Supplier's Equipment. The Supplier shall acquire all other permits, approvals, and/or licenses that are not the responsibility of the Purchaser under GCC Clause 10.4 and that are necessary for the performance of the Contract.

9.5 The Supplier shall comply with all laws in force in the Purchaser's Country. The laws will include all national, provincial, municipal, or other laws that affect the performance of the Contract and are binding upon the Supplier. The Supplier shall indemnify and hold harmless the Purchaser from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the Supplier or its personnel, including the Subcontractors and their personnel, but without prejudice to GCC Clause 10.1. The Supplier shall not indemnify the Purchaser to the extent that such liability, damage, claims, fines, penalties, and

expenses were caused or contributed to by a fault of the Purchaser.

- 9.6 Any Information Technologies or other Goods and Services that will be incorporated in or be required for the System and other supplies shall have their Origin, as defined in GCC Clause 3.12, in a country that shall be an Eligible Country, as defined in GCC Clause 1.1 (e) (iv).
- 9.7 Pursuant to paragraph 2.2 e. of the Appendix 1 to the General Conditions of Contract, the Supplier shall permit and shall cause its agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and personnel, to permit, the Bank and/or persons appointed by the Bank to inspect the site and/or the accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have such accounts, records and other documents audited by auditors appointed by the Bank. The Supplier's and its Subcontractors' and subconsultants' attention is drawn to GCC Clause 6.1 (Fraud and Corruption) which provides, *inter alia*, that acts intended to materially impede the exercise of the Bank's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).
- 9.8 The Supplier shall conform to the sustainable procurement contractual provisions, if and as **specified in the SCC**.

9.9 **Code of Conduct**

The Supplier shall have a Code of Conduct for the Supplier's Personnel employed for the execution of the Contract at the Project Site/s.

The Supplier shall take all necessary measures to ensure that each such personnel is made aware of the Code of Conduct including specific behaviors that are prohibited, and understands the consequences of engaging in such prohibited behaviors.

These measures include providing instructions and documentation that can be understood by such personnel, and seeking to obtain that person's signature acknowledging receipt of such instructions and/or documentation, as appropriate.

The Supplier shall also ensure that the Code of Conduct is visibly displayed in the Project Site/s as well as, as applicable, in areas outside the Project Site/s accessible to the local

community and any project affected people. The posted Code of Conduct shall be provided in languages comprehensible to the Supplier's Personnel, Purchaser's Personnel and the local community.

The Supplier's Management Strategy and Implementation Plans, if applicable, shall include appropriate processes for the Supplier to verify compliance with these obligations.

- 9.10 The Supplier shall, in all dealings with its labor and the labor of its Subcontractors currently employed on or connected with the Contract, pay due regard to all recognized festivals, official holidays, religious or other customs, and all local laws and regulations pertaining to the employment of labor.
- 9.11 The Supplier, including its Subcontractors, shall comply with all applicable safety obligations. The Supplier shall at all times take all reasonable precautions to maintain the health and safety of the Supplier's Personnel employed for the execution of Contract at the Project Site/s.

9.12 Training of Supplier's Personnel

The Supplier shall provide appropriate training to relevant Supplier's Personnel on any applicable environmental and social aspect of the Contract, including appropriate sensitization on prohibition of SEA, health and safety.

As stated in the Purchaser's Requirements or as instructed by the Project Manager, the Supplier shall also allow appropriate opportunities for the relevant personnel to be trained on any applicable environmental and social aspects of the Contract by the Purchaser's Personnel and/or other personnel assigned by the Purchaser.

The Supplier shall provide training on SEA and SH, including its prevention, to any of its personnel who has a role to supervise other Supplier's Personnel.

9.13 Stakeholder engagements

The Supplier shall provide relevant contract- related information, as the Purchaser and/or Project Manager may reasonably request to conduct contract stakeholder engagement. "Stakeholder" refers to individuals or groups who:

- (a) are affected or likely to be affected by the Contract; and
- (b) may have an interest in the Contract.

The Supplier may also directly participate in contract stakeholder engagements, as the Purchaser and/or Project Manager may reasonably request.

9.14 Forced Labor

The Supplier, including its Subcontractors, shall not employ or engage forced labour. Forced labour consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty, and includes any kind of involuntary or compulsory labour, such as indentured labour, bonded labour or similar labour-contracting arrangements.

No persons shall be employed or engaged who have been subject to trafficking. Trafficking in persons is defined as the recruitment, transportation, transfer, harbouring or receipt of persons by means of the threat or use of force or other forms of coercion, abduction, fraud, deception, abuse of power, or of a position of vulnerability, or of the giving or receiving of payments or benefits to achieve the consent of a person having control over another person, for the purposes of exploitation.

9.15 Child Labor

The Supplier, including its Subcontractors, shall not employ or engage a child under the age of 14 unless the national law specifies a higher age (the minimum age).

The Supplier, including its Subcontractors, shall not employ or engage a child between the minimum age and the age of 18 in a manner that is likely to be hazardous, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development.

The Supplier, including its Subcontractors, shall only employ or engage children between the minimum age and the age of 18 after an appropriate risk assessment has been conducted by the Supplier with the Project Manager's consent. The Supplier shall be subject to regular monitoring by the Project Manager that includes monitoring of health, working conditions and hours of work.

Work considered hazardous for children is work that, by its nature or the circumstances in which it is carried out, is likely to jeopardize the health, safety, or morals of children. Such work activities prohibited for children include work:

- (a) with exposure to physical, psychological or sexual abuse;
- (b) underground, underwater, working at heights or in confined spaces;
- (c) with dangerous machinery, equipment or tools, or involving handling or transport of heavy loads;
- (d) in unhealthy environments exposing children to hazardous substances, agents, or processes, or to temperatures, noise or vibration damaging to health; or
- (e) under difficult conditions such as work for long hours, during the night or in confinement on the premises of the employer.

9.16 Non-Discrimination and Equal Opportunity

The Supplier shall not make decisions relating to the employment or treatment of personnel for the execution of the Contract on the basis of personal characteristics unrelated to inherent job requirements. The Supplier shall base the employment of personnel for the execution of the Contract on the principle of equal opportunity and fair treatment, and shall not discriminate with respect to any aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, job assignment, promotion, termination of employment or retirement, and disciplinary practices.

Special measures of protection or assistance to remedy past discrimination or selection for a particular job based on the inherent requirements of the job shall not be deemed discrimination. The Supplier shall provide protection and assistance as necessary to ensure non-discrimination and equal opportunity, including for specific groups such as women, people with disabilities, migrant workers and children (of working age in accordance with GCC Clause 9.15).

9.17 Personnel Grievance Mechanism

The Supplier shall have a grievance mechanism for personnel employed in the execution of the Contract to raise workplace concerns. The grievance mechanism shall be proportionate to the nature, scale, risks and impacts of the Contract. The grievance mechanism may utilize existing grievance mechanisms, provided that they are properly

designed and implemented, address concerns promptly, and are readily accessible to such personnel.

9.18 Security of the Project Site

If stated in the SCC, the Supplier shall be responsible for the security at the Project Site/s including providing and maintaining at its own expense all lighting, fencing, and watching when and where necessary for the proper execution and the protection of the locations, or for the safety of the owners and occupiers of adjacent property and for the safety of the public.

In making security arrangements, the Supplier shall be guided by applicable laws and any other requirements that may be stated in the Purchaser's Requirements.

The Supplier shall (i) conduct appropriate background checks on any personnel retained to provide security; (ii) train the security personnel adequately (or determine that they are properly trained) in the use of force (and where applicable, firearms), and appropriate conduct towards the Supplier's Personnel, Purchaser's Personnel and affected communities; and (iii) require the security personnel to act within the applicable Laws and any requirements set out in the Purchaser's Requirements.

The Supplier shall not permit any use of force by security personnel in providing security except when used for preventive and defensive purposes in proportion to the nature and extent of the threat.

9.19 Recruitment of Persons

The Supplier shall not recruit, or attempt to recruit, either on limited time or permanent basis or through any other contractual agreement, staff and labor from amongst the Purchaser's Personnel.

9.20 **Unless otherwise specified in the SCC** the Supplier shall have no other Supplier responsibilities.

10. Purchaser's Responsibilities

- 10.1 The Purchaser shall ensure the accuracy of all information and/or data to be supplied by the Purchaser to the Supplier, except when otherwise expressly stated in the Contract.
- 10.2 The Purchaser shall be responsible for timely provision of all resources, information, and decision making under its control that are necessary to reach an Agreed Project Plan (pursuant to GCC Clause 19.2) within the time schedule specified in the Implementation Schedule. Failure to

provide such resources, information, and decision making may constitute grounds for Termination pursuant to GCC Clause 41.3.1 (b).

- 10.3 The Purchaser shall be responsible for acquiring and providing legal and physical possession of the site and access to it, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract.
- 10.4 If requested by the Supplier, the Purchaser shall use its best endeavors to assist the Supplier in obtaining in a timely and expeditious manner all permits, approvals, and/or licenses necessary for the execution of the Contract from all local, state, or national government authorities or public service undertakings that such authorities or undertakings require the Supplier or Subcontractors or the Supplier's Personnel, as the case may be, to obtain.
- 10.5 In such cases where the responsibilities of specifying and acquiring or upgrading telecommunications and/or electric power services falls to the Supplier, as specified in the Technical Requirements, SCC, Agreed Project Plan, or other parts of the Contract, the Purchaser shall use its best endeavors to assist the Supplier in obtaining such services in a timely and expeditious manner.
- 10.6 The Purchaser shall be responsible for timely provision of all resources, access, and information necessary for the Installation and Operational Acceptance of the System (including, but not limited to, any required telecommunications or electric power services), as identified in the Agreed Project Plan, except where provision of such items is explicitly identified in the Contract as being the responsibility of the Supplier. Delay by the Purchaser may result in an appropriate extension of the Time for Operational Acceptance, at the Supplier's discretion.
- 10.7 Unless otherwise specified in the Contract or agreed upon by the Purchaser and the Supplier, the Purchaser shall provide sufficient, properly qualified operating and technical personnel, as required by the Supplier to properly carry out Delivery, Pre-commissioning, Installation, Commissioning, and Operational Acceptance, at or before the time specified in the Implementation Schedule and the Agreed Project Plan.
- 10.8 The Purchaser will designate appropriate staff for the training courses to be given by the Supplier and shall make

all appropriate logistical arrangements for such training as specified in the Technical Requirements, SCC, the Agreed Project Plan, or other parts of the Contract.

- 10.9 The Purchaser assumes primary responsibility for the Operational Acceptance Test(s) for the System, in accordance with GCC Clause 27.2, and shall be responsible for the continued operation of the System after Operational Acceptance. However, this shall not limit in any way the Supplier's responsibilities after the date of Operational Acceptance otherwise specified in the Contract.
- 10.10 The Purchaser is responsible for performing and safely storing timely and regular backups of its data and Software in accordance with accepted data management principles, except where such responsibility is clearly assigned to the Supplier elsewhere in the Contract.
- 10.11 All costs and expenses involved in the performance of the obligations under this GCC Clause 10 shall be the responsibility of the Purchaser, save those to be incurred by the Supplier with respect to the performance of the Operational Acceptance Test(s), in accordance with GCC Clause 27.2.
- 10.12 **Unless otherwise specified in the SCC** the Purchaser shall have no other Purchaser responsibilities.

C. PAYMENT

11. Contract Price

- 11.1 The Contract Price shall be as specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement.
- 11.2 Unless an adjustment clause is **provided for in the SCC**, the Contract Price shall be a firm lump sum not subject to any alteration, except in the event of a Change in the System pursuant to GCC Clause 39 or to other clauses in the Contract;
- 11.3 The Supplier shall be deemed to have satisfied itself as to the correctness and sufficiency of the Contract Price, which shall, except as otherwise provided for in the Contract, cover all its obligations under the Contract.

12. Terms of Payment

12.1 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the System or Subsystem(s), Delivered, Pre-commissioned, Installed, and Operationally Accepted, and by documents submitted pursuant to GCC Clause 22.5 and upon fulfillment of other obligations stipulated in the Contract.

The Contract Price shall be paid as **specified in the SCC**.

12.2 No payment made by the Purchaser herein shall be deemed to constitute acceptance by the Purchaser of the System or any Subsystem(s).

12.3 Payments shall be made promptly by the Purchaser, but in no case later than forty five (45) days after submission of a valid invoice by the Supplier. In the event that the Purchaser fails to make any payment by its respective due date or within the period set forth in the Contract, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate(s) **specified in the SCC** for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

12.4 Payments shall be made in the currency(ies) specified in the Contract Agreement, pursuant to GCC Clause 11. For Goods and Services supplied locally, payments shall be made **as specified in the SCC**.

12.5 **Unless otherwise specified in the SCC**, payment of the foreign currency portion of the Contract Price for Goods supplied from outside the Purchaser's Country shall be made to the Supplier through an irrevocable letter of credit opened by an authorized bank in the Supplier's Country and will be payable on presentation of the appropriate documents. It is agreed that the letter of credit will be subject to Article 10 of the latest revision of *Uniform Customs and Practice for Documentary Credits*, published by the International Chamber of Commerce, Paris.

13. Securities

13.1 Issuance of Securities

The Supplier shall provide the securities specified below in favor of the Purchaser at the times and in the amount, manner, and form specified below.

13.2 Advance Payment Security

13.2.1 The Supplier shall provide within twenty-eight (28) days of the notification of Contract award an Advance

Payment Security in the amount and currency of the Advance Payment specified in SCC for GCC Clause 12.1 above and valid until the System is Operationally Accepted.

13.2.2 The security shall be in the form provided in the bidding documents or in another form acceptable to the Purchaser. The amount of the security shall be reduced in proportion to the value of the System executed by and paid to the Supplier from time to time and shall automatically become null and void when the full amount of the advance payment has been recovered by the Purchaser. **Unless otherwise specified in the SCC**, the reduction in value and expiration of the Advance Payment Security are calculated as follows:

$P*a/(100-a)$, where “P” is the sum of all payments effected so far to the Supplier (excluding the Advance Payment), and “a” is the Advance Payment expressed as a percentage of the Contract Price pursuant to the SCC for GCC Clause 12.1.

The security shall be returned to the Supplier immediately after its expiration.

13.3 Performance Security

13.3.1 The Supplier shall, within twenty-eight (28) days of the notification of Contract award, provide a security for the due performance of the Contract in the amount and currency **specified in the SCC**.

13.3.2 The security shall be a bank guarantee in the form provided in the Sample Contractual Forms Section of the bidding documents, or it shall be in another form acceptable to the Purchaser.

13.3.3 The security shall automatically become null and void once all the obligations of the Supplier under the Contract have been fulfilled, including, but not limited to, any obligations during the Warranty Period and any extensions to the period. The security shall be returned to the Supplier no later than twenty-eight (28) days after its expiration.

13.3.4 Upon Operational Acceptance of the entire System, the security shall be reduced to the amount **specified in the SCC**, on the date of the Operational Acceptance, so that the reduced security would only cover the remaining warranty obligations of the Supplier.

14. Taxes and Duties

14.1 For Goods or Services supplied from outside the Purchaser's country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's country. Any duties, such as importation or customs duties, and taxes and other levies, payable in the Purchaser's country for the supply of Goods and Services from outside the Purchaser's country are the responsibility of the Purchaser unless these duties or taxes have been made part of the Contract Price in Article 2 of the Contract Agreement and the Price Schedule it refers to, in which case the duties and taxes will be the Supplier's responsibility.

14.2 For Goods or Services supplied locally, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods or Services to the Purchaser. The only exception are taxes or duties, such as value-added or sales tax or stamp duty as apply to, or are clearly identifiable, on the invoices and provided they apply in the Purchaser's country, and only if these taxes, levies and/or duties are also excluded from the Contract Price in Article 2 of the Contract Agreement and the Price Schedule it refers to.

14.3 If any tax exemptions, reductions, allowances, or privileges may be available to the Supplier in the Purchaser's Country, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

14.4 For the purpose of the Contract, it is agreed that the Contract Price specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement is based on the taxes, duties, levies, and charges prevailing at the date twenty-eight (28) days prior to the date of bid submission in the Purchaser's Country (also called "Tax" in this GCC Clause 14.4). If any Tax rates are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of the Contract, which was or will be assessed on the Supplier, its Subcontractors, or their employees in connection with performance of the Contract, an equitable adjustment to the Contract Price shall be made to fully take into account any such change by addition to or reduction from the Contract Price, as the case may be.

D. INTELLECTUAL PROPERTY

15. Copyright

- 15.1 The Intellectual Property Rights in all Standard Software and Standard Materials shall remain vested in the owner of such rights.
- 15.2 The Purchaser agrees to restrict use, copying, or duplication of the Standard Software and Standard Materials in accordance with GCC Clause 16, except that additional copies of Standard Materials may be made by the Purchaser for use within the scope of the project of which the System is a part, in the event that the Supplier does not deliver copies within thirty (30) days from receipt of a request for such Standard Materials.
- 15.3 The Purchaser's contractual rights to use the Standard Software or elements of the Standard Software may not be assigned, licensed, or otherwise transferred voluntarily except in accordance with the relevant license agreement or **unless otherwise specified in the SCC** to a legally constituted successor organization (e.g., a reorganization of a public entity formally authorized by the government or through a merger or acquisition of a private entity).
- 15.4 **Unless otherwise specified in the SCC**, the Intellectual Property Rights in all Custom Software and Custom Materials specified in Appendices 4 and 5 of the Contract Agreement (if any) shall, at the date of this Contract or on creation of the rights (if later than the date of this Contract), vest in the Purchaser. The Supplier shall do and execute or arrange for the doing and executing of each necessary act, document, and thing (as legally sufficient) that the Purchaser may consider necessary or desirable to perfect the right, title, and interest of the Purchaser in and to those rights. In respect of such Custom Software and Custom Materials, the Supplier shall ensure that the holder of a moral right in such an item does not assert it, and the Supplier shall, if requested to do so by the Purchaser and where permitted by applicable law, ensure that the holder of such a moral right waives it.
- 15.5 **Unless otherwise specified in the SCC**, escrow arrangements shall NOT be required.

16. Software License Agreements 16.1 Except to the extent that the Intellectual Property Rights in the Software vest in the Purchaser, the Supplier hereby grants to the Purchaser license to access and use the Software, including all inventions, designs, and marks embodied in the Software.

Such license to access and use the Software shall:

- (a) be:
 - (i) nonexclusive;
 - (ii) fully paid up and irrevocable (except that it shall terminate if the Contract terminates under GCC Clauses 41.1 or 41.3);
 - (iii) **unless otherwise specified in the SCC** valid throughout the territory of the Purchaser's Country;
 - (iv) **unless otherwise specified in the SCC** subject to NO additional restrictions.
- (b) permit the Software to be:
 - (i) used or copied for use on or with the computer(s) for which it was acquired (if specified in the Technical Requirements and/or the Supplier's bid), plus a backup computer(s) of the same or similar capacity, if the primary is(are) inoperative, and during a reasonable transitional period when use is being transferred between primary and backup;
 - (ii) used or copied for use on or transferred to a replacement computer(s), (and use on the original and replacement computer(s) may be simultaneous during a reasonable transitional period) provided that, if the Technical Requirements and/or the Supplier's bid specifies a class of computer to which the license is restricted, the replacement computer(s) is(are) within that class;
 - (iii) if the nature of the System is such as to permit such access, accessed from other computers connected to the primary and/or backup computer(s) by means of a local or wide-area network or similar arrangement, and used on or copied for use on those other computers to the extent necessary to that access;

- (iv) reproduced for safekeeping or backup purposes;
- (v) customized, adapted, or combined with other computer software for use by the Purchaser, provided that derivative software incorporating any substantial part of the delivered, restricted Software shall be subject to same restrictions as are set forth in this Contract;
- (vi) **unless otherwise specified in the SCC**, disclosed to, and reproduced for use by, support service suppliers and their subcontractors, to the extent reasonably necessary to the performance of their support service contracts, subject to the same restrictions as are set forth in this Contract; and
- (vii) **unless otherwise specified in the SCC** disclosed to, and reproduced for use by, NO other parties.

16.2 The Supplier has the right to audit the Standard Software to verify compliance with the above license agreements. **Unless otherwise specified in the SCC**, the Purchaser will make available to the Supplier, within seven (7) days of a written request, accurate and up-to-date records of the number and location of copies, the number of authorized users, or any other relevant data required to demonstrate use of the Standard Software as per the license agreement. If and only if, expressly agreed in writing between the Purchaser and the Supplier, Purchaser will allow, under a pre-specified agreed procedure, the execution of embedded software functions under Supplier's control, and unencumbered transmission of resulting information on software usage.

17. Confidential Information

17.1 **Unless otherwise specified in the SCC**, the "Receiving Party" (either the Purchaser or the Supplier) shall keep confidential and shall not, without the written consent of the other party to this Contract ("the Disclosing Party"), divulge to any third party any documents, data, or other information of a confidential nature ("Confidential Information") connected with this Contract, and furnished directly or indirectly by the Disclosing Party prior to or during performance, or following termination, of this Contract.

17.2 For the purposes of GCC Clause 17.1, the Supplier is also deemed to be the Receiving Party of Confidential Information generated by the Supplier itself in the course

of the performance of its obligations under the Contract and relating to the businesses, finances, suppliers, employees, or other contacts of the Purchaser or the Purchaser's use of the System.

17.3 Notwithstanding GCC Clauses 17.1 and 17.2:

- (a) the Supplier may furnish to its Subcontractor Confidential Information of the Purchaser to the extent reasonably required for the Subcontractor to perform its work under the Contract; and
- (b) the Purchaser may furnish Confidential Information of the Supplier: (i) to its support service suppliers and their subcontractors to the extent reasonably required for them to perform their work under their support service contracts; and (ii) to its affiliates and subsidiaries,

in which event the Receiving Party shall ensure that the person to whom it furnishes Confidential Information of the Disclosing Party is aware of and abides by the Receiving Party's obligations under this GCC Clause 17 as if that person were party to the Contract in place of the Receiving Party.

17.4 The Purchaser shall not, without the Supplier's prior written consent, use any Confidential Information received from the Supplier for any purpose other than the operation, maintenance and further development of the System. Similarly, the Supplier shall not, without the Purchaser's prior written consent, use any Confidential Information received from the Purchaser for any purpose other than those that are required for the performance of the Contract.

17.5 The obligation of a party under GCC Clauses 17.1 through 17.4 above, however, shall not apply to that information which:

- (a) now or hereafter enters the public domain through no fault of the Receiving Party;
- (b) can be proven to have been possessed by the Receiving Party at the time of disclosure and that was not previously obtained, directly or indirectly, from the Disclosing Party;
- (c) otherwise lawfully becomes available to the Receiving Party from a third party that has no obligation of confidentiality;

(d) is being provided to the Bank.

17.6 The above provisions of this GCC Clause 17 shall not in any way modify any undertaking of confidentiality given by either of the parties to this Contract prior to the date of the Contract in respect of the System or any part thereof.

17.7 **Unless otherwise specified in the SCC**, the provisions of this GCC Clause 17 shall survive the termination, for whatever reason, of the Contract for three (3) years.

E. SUPPLY, INSTALLATION, TESTING, COMMISSIONING, AND ACCEPTANCE OF THE SYSTEM

18. Representatives

18.1 Project Manager

If the Project Manager is not named in the Contract, then within fourteen (14) days of the Effective Date, the Purchaser shall appoint and notify the Supplier in writing of the name of the Project Manager. The Purchaser may from time to time appoint some other person as the Project Manager in place of the person previously so appointed and shall give a notice of the name of such other person to the Supplier without delay. No such appointment shall be made at such a time or in such a manner as to impede the progress of work on the System. Such appointment shall take effect only upon receipt of such notice by the Supplier. **Unless otherwise specified in the SCC** (if any), the Project Manager shall have the authority to represent the Purchaser on all day-to-day matters relating to the System or arising from the Contract, and shall normally be the person giving or receiving notices on behalf of the Purchaser pursuant to GCC Clause 4.

18.2 Supplier's Representative

18.2.1 If the Supplier's Representative is not named in the Contract, then within fourteen (14) days of the Effective Date, the Supplier shall appoint the Supplier's Representative and shall request the Purchaser in writing to approve the person so appointed. The request must be accompanied by a detailed curriculum vitae for the nominee, as well as a description of any other System or non-System responsibilities the nominee would retain while performing the duties of the Supplier's Representative. If the Purchaser does not object to the appointment within fourteen (14) days, the Supplier's Representative shall be deemed to have been

approved. If the Purchaser objects to the appointment within fourteen (14) days giving the reason therefor, then the Supplier shall appoint a replacement within fourteen (14) days of such objection in accordance with this GCC Clause 18.2.1.

18.2.2 **Unless otherwise specified in the SCC** (if any), the Supplier’s Representative shall have the authority to represent the Supplier on all day-to-day matters relating to the System or arising from the Contract, and shall normally be the person giving or receiving notices on behalf of the Supplier pursuant to GCC Clause 4.

18.2.3 The Supplier shall not revoke the appointment of the Supplier’s Representative without the Purchaser’s prior written consent, which shall not be unreasonably withheld. If the Purchaser consents to such an action, the Supplier shall appoint another person of equal or superior qualifications as the Supplier’s Representative, pursuant to the procedure set out in GCC Clause 18.2.1.

18.2.4 The Supplier’s Representative and staff are obliged to work closely with the Purchaser’s Project Manager and staff, act within their own authority, and abide by directives issued by the Purchaser that are consistent with the terms of the Contract. The Supplier’s Representative is responsible for managing the activities of the Supplier’s Personnel.

18.2.5 The Supplier’s Representative may, subject to the approval of the Purchaser (which shall not be unreasonably withheld), at any time delegate to any person any of the powers, functions, and authorities vested in him or her. Any such delegation may be revoked at any time. Any such delegation or revocation shall be subject to a prior notice signed by the Supplier’s Representative and shall specify the powers, functions, and authorities thereby delegated or revoked. No such delegation or revocation shall take effect unless and until the notice of it has been delivered.

18.2.6 Any act or exercise by any person of powers, functions and authorities so delegated to him or her in accordance with GCC Clause 18.2.5 shall be deemed to be an act or exercise by the Supplier’s Representative.

18.3 Removal of Supplier’s Personnel

18.3.1 The Project Manager may require the Supplier to remove (or cause to be removed) the Supplier's Representative or any other person employed by the Supplier in the execution of the Contract, who:

- (a) persists in any misconduct or lack of care;
- (b) carries out duties incompetently or negligently;
- (c) fails to comply with any provision of the Contract;
- (d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment;
- (e) based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution of the Contract;
- (f) has been recruited from the Purchaser's Personnel;
- (g) engages in any other behaviour which breaches the Code of Conduct, as applicable;

If appropriate, the Supplier shall then promptly appoint (or cause to be appointed) a suitable replacement with equivalent skills and experience.

Notwithstanding any requirement from the Project Manager to remove or cause to remove any person, the Supplier shall take immediate action as appropriate in response to any violation of (a) through (g) above. Such immediate action shall include removing (or causing to be removed) from work on the System, any person Employed by the Supplier in the execution of the Contract who engages in (a), (b), (c), (d), (e) or (g) above or has been recruited as stated in (f) above.

18.3.2 If any representative or person employed by the Supplier is removed in accordance with GCC Clause 18.3.1, the Supplier shall, where required, promptly appoint a suitable replacement with equivalent skills and experience.

19. Project Plan

19.1 In close cooperation with the Purchaser and based on the Preliminary Project Plan included in the Supplier's bid, the Supplier shall develop a Project Plan encompassing the activities specified in the Contract. The contents of the Project Plan shall be as **specified in the SCC** and/or Technical Requirements.

19.2 **Unless otherwise specified in the SCC**, within thirty (30) days from the Effective Date of the Contract, the Supplier shall present a Project Plan to the Purchaser. Such submission to the Purchaser shall include any applicable environmental and social management plan to manage environmental and social risks and impacts. The Purchaser shall, within fourteen (14) days of receipt of the Project Plan, notify the Supplier of any respects in which it considers that the Project Plan does not adequately ensure that the proposed program of work, proposed methods, and/or proposed Information Technologies will satisfy the Technical Requirements and/or the SCC (in this Clause 19.2 called “non-conformities” below). The Supplier shall, within five (5) days of receipt of such notification, correct the Project Plan and resubmit to the Purchaser. The Purchaser shall, within five (5) days of resubmission of the Project Plan, notify the Supplier of any remaining non-conformities. This procedure shall be repeated as necessary until the Project Plan is free from non-conformities. When the Project Plan is free from non-conformities, the Purchaser shall provide confirmation in writing to the Supplier. This approved Project Plan (“the Agreed Project Plan”) shall be contractually binding on the Purchaser and the Supplier.

19.3 If required, the impact on the Implementation Schedule of modifications agreed during finalization of the Agreed Project Plan shall be incorporated in the Contract by amendment, in accordance with GCC Clauses 39 and 40.

19.4 The Supplier shall undertake to supply, install, test, and commission the System in accordance with the Agreed Project Plan and the Contract.

19.5 **Unless otherwise specified in the SCC**, the Supplier shall submit to the Purchaser Monthly Progress Reports summarizing:

- (i) results accomplished during the prior period;
- (ii) cumulative deviations to date from schedule of progress milestones as specified in the Agreed Project Plan;
- (iii) corrective actions to be taken to return to planned schedule of progress; proposed revisions to planned schedule;

- (iv) other issues and outstanding problems; proposed actions to be taken;
- (v) resources that the Supplier expects to be provided by the Purchaser and/or actions to be taken by the Purchaser in the next reporting period;
- (vi) status of compliance to environmental and social requirements, as applicable;
- (vii) other issues or potential problems the Supplier foresees that could impact on project progress and/or effectiveness.

19.6 The Supplier shall submit to the Purchaser other (periodic) reports as specified in the SCC.

19.7 Immediate Reporting requirement

The Supplier shall inform the Project Manager immediately of any allegation, incident or accident in Project Site/s, which has or is likely to have a significant adverse effect on the environment, the affected communities, the public, Purchaser's Personnel or Supplier's Personnel. This includes, but is not limited to, any incident or accident causing fatality or serious injury; significant adverse effects or damage to private property; or any allegation of SEA and/or SH. In case of SEA and/or SH, while maintaining confidentiality as appropriate, the type of allegation (sexual exploitation, sexual abuse or sexual harassment), gender and age of the person who experienced the alleged incident should be included in the information.

The Supplier, upon becoming aware of the allegation, incident or accident, shall also immediately inform the Purchaser of any such incident or accident on the Subcontractors' or suppliers' premises relating to the Contract which has or is likely to have a significant adverse effect on the environment, the affected communities, the public, Purchaser's Personnel or Supplier's Personnel. The notification shall provide sufficient detail regarding such incidents or accidents.

The Supplier shall provide full details of such incidents or accidents to the Project Manager within the timeframe agreed with the Purchaser.

The Purchaser shall require its Subcontractors to immediately notify it of any incidents or accidents referred to in this Sub- Clause.

20. Subcontracting

20.1 Appendix 3 (List of Approved Subcontractors) to the Contract Agreement specifies critical items of supply or services and a list of Subcontractors for each item that are considered acceptable by the Purchaser. If no Subcontractors are listed for an item, the Supplier shall prepare a list of Subcontractors it considers qualified and wishes to be added to the list for such items. The Supplier may from time to time propose additions to or deletions from any such list. The Supplier shall submit any such list or any modification to the list to the Purchaser for its approval in sufficient time so as not to impede the progress of work on the System. Submission by the Supplier, for addition of any Subcontractor not named in the Contract, shall also include the Subcontractor's declaration in accordance with Appendix 2 to the GCC- Sexual exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance Declaration. Approval by the Purchaser of a Subcontractor(s) shall not relieve the Supplier from any of its obligations, duties, or responsibilities under the Contract.

20.2 The Supplier may, at its discretion, select and employ Subcontractors for such critical items from those Subcontractors listed pursuant to GCC Clause 20.1. If the Supplier wishes to employ a Subcontractor not so listed, or subcontract an item not so listed, it must seek the Purchaser's prior approval under GCC Clause 20.3.

20.3 For items for which pre-approved Subcontractor lists have not been specified in Appendix 3 to the Contract Agreement, the Supplier may employ such Subcontractors as it may select, provided: (i) the Supplier notifies the Purchaser in writing at least twenty-eight (28) days prior to the proposed mobilization date for such Subcontractor, including by providing the Subcontractor's declaration in accordance with Appendix 2 to the GCC- Sexual exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance Declaration; and (ii) by the end of this period either the Purchaser has granted its approval in writing or fails to respond. The Supplier shall not engage any Subcontractor to which the Purchaser has objected in writing prior to the end of the notice period. The absence of a written objection by the Purchaser during the above specified period shall constitute formal acceptance of the proposed Subcontractor. Except to the extent that it permits the deemed approval of the Purchaser of Subcontractors not

listed in the Contract Agreement, nothing in this Clause, however, shall limit the rights and obligations of either the Purchaser or Supplier as they are specified in GCC Clauses 20.1 and 20.2, or in Appendix 3 of the Contract Agreement.

20.4 The Supplier shall ensure that its Subcontractors comply with the relevant ES requirements and the obligations set out in GCC Clause 9.9.

21. Design and Engineering

21.1 Technical Specifications and Drawings

21.1.1 The Supplier shall execute the basic and detailed design and the implementation activities necessary for successful installation of the System in compliance with the provisions of the Contract or, where not so specified, in accordance with good industry practice.

The Supplier shall be responsible for any discrepancies, errors or omissions in the specifications, drawings, and other technical documents that it has prepared, whether such specifications, drawings, and other documents have been approved by the Project Manager or not, provided that such discrepancies, errors, or omissions are not because of inaccurate information furnished in writing to the Supplier by or on behalf of the Purchaser.

21.1.2 The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification, or other document, or any modification of such design, drawings, specification, or other documents provided or designated by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Project Manager.

21.2 Codes and Standards

Wherever references are made in the Contract to codes and standards in accordance with which the Contract shall be executed, the edition or the revised version of such codes and standards current at the date twenty-eight (28) days prior to date of bid submission shall apply. During Contract execution, any changes in such codes and standards shall be applied after approval by the Purchaser and shall be treated in accordance with GCC Clause 39.3.

21.3 Approval/Review of Controlling Technical Documents by the Project Manager

21.3.1 **Unless otherwise specified in the SCC**, there will NO Controlling Technical Documents required. However, **if the SCC specifies** Controlling Technical Documents, the Supplier shall prepare and furnish such documents for the Project Manager's approval or review.

Any part of the System covered by or related to the documents to be approved by the Project Manager shall be executed only after the Project Manager's approval of these documents.

GCC Clauses 21.3.2 through 21.3.7 shall apply to those documents requiring the Project Manager's approval, but not to those furnished to the Project Manager for its review only.

21.3.2 Within fourteen (14) days after receipt by the Project Manager of any document requiring the Project Manager's approval in accordance with GCC Clause 21.3.1, the Project Manager shall either return one copy of the document to the Supplier with its approval endorsed on the document or shall notify the Supplier in writing of its disapproval of the document and the reasons for disapproval and the modifications that the Project Manager proposes. If the Project Manager fails to take such action within the fourteen (14) days, then the document shall be deemed to have been approved by the Project Manager.

21.3.3 The Project Manager shall not disapprove any document except on the grounds that the document does not comply with some specified provision of the Contract or that it is contrary to good industry practice.

21.3.4 If the Project Manager disapproves the document, the Supplier shall modify the document and resubmit it for the Project Manager's approval in accordance with GCC Clause 21.3.2. If the Project Manager approves the document subject to modification(s), the Supplier shall make the required modification(s), and the document shall then be deemed to have been approved, subject to GCC Clause 21.3.5. The procedure set out in GCC Clauses 21.3.2 through 21.3.4 shall be repeated, as appropriate, until the Project Manager approves such documents.

21.3.5 If any dispute occurs between the Purchaser and the Supplier in connection with or arising out of the disapproval by the Project Manager of any document

and/or any modification(s) to a document that cannot be settled between the parties within a reasonable period, then, in case the Contract Agreement includes and names an Adjudicator, such dispute may be referred to the Adjudicator for determination in accordance with GCC Clause 43.1 (Adjudication). If such dispute is referred to an Adjudicator, the Project Manager shall give instructions as to whether and if so, how, performance of the Contract is to proceed. The Supplier shall proceed with the Contract in accordance with the Project Manager's instructions, provided that if the Adjudicator upholds the Supplier's view on the dispute and if the Purchaser has not given notice under GCC Clause 43.1.2, then the Supplier shall be reimbursed by the Purchaser for any additional costs incurred by reason of such instructions and shall be relieved of such responsibility or liability in connection with the dispute and the execution of the instructions as the Adjudicator shall decide, and the Time for Achieving Operational Acceptance shall be extended accordingly.

21.3.6 The Project Manager's approval, with or without modification of the document furnished by the Supplier, shall not relieve the Supplier of any responsibility or liability imposed upon it by any provisions of the Contract except to the extent that any subsequent failure results from modifications required by the Project Manager or inaccurate information furnished in writing to the Supplier by or on behalf of the Purchaser.

21.3.7 The Supplier shall not depart from any approved document unless the Supplier has first submitted to the Project Manager an amended document and obtained the Project Manager's approval of the document, pursuant to the provisions of this GCC Clause 21.3. If the Project Manager requests any change in any already approved document and/or in any document based on such an approved document, the provisions of GCC Clause 39 (Changes to the System) shall apply to such request.

22. Procurement, Delivery, and Transport

22.1 Subject to related Purchaser's responsibilities pursuant to GCC Clauses 10 and 14, the Supplier shall manufacture or procure and transport all the Information Technologies,

Materials, and other Goods in an expeditious and orderly manner to the Project Site.

22.2 Delivery of the Information Technologies, Materials, and other Goods shall be made by the Supplier in accordance with the Technical Requirements.

22.3 Early or partial deliveries require the explicit written consent of the Purchaser, which consent shall not be unreasonably withheld.

22.4 Transportation

22.4.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during shipment. The packing, marking, and documentation within and outside the packages shall comply strictly with the Purchaser's instructions to the Supplier.

22.4.2 The Supplier will bear responsibility for and cost of transport to the Project Sites in accordance with the terms and conditions used in the specification of prices in the Price Schedules, including the terms and conditions of the associated Incoterms.

22.4.3 **Unless otherwise specified in the SCC**, the Supplier shall be free to use transportation through carriers registered in any eligible country and to obtain insurance from any eligible source country.

22.5 **Unless otherwise specified in the SCC**, the Supplier will provide the Purchaser with shipping and other documents, as specified below:

22.5.1 For Goods supplied from outside the Purchaser's Country:

Upon shipment, the Supplier shall notify the Purchaser and the insurance company contracted by the Supplier to provide cargo insurance by cable, facsimile, electronic mail, or EDI with the full details of the shipment. The Supplier shall promptly send the following documents to the Purchaser by mail or courier, as appropriate, with a copy to the cargo insurance company:

(a) two copies of the Supplier's invoice showing the description of the Goods, quantity, unit price, and total amount;

(b) usual transportation documents;

- (c) insurance certificate;
- (d) certificate(s) of origin; and
- (e) estimated time and point of arrival in the Purchaser's Country and at the site.

22.5.2 For Goods supplied locally (i.e., from within the Purchaser's country):

Upon shipment, the Supplier shall notify the Purchaser by cable, facsimile, electronic mail, or EDI with the full details of the shipment. The Supplier shall promptly send the following documents to the Purchaser by mail or courier, as appropriate:

- (a) two copies of the Supplier's invoice showing the Goods' description, quantity, unit price, and total amount;
- (b) delivery note, railway receipt, or truck receipt;
- (c) certificate of insurance;
- (d) certificate(s) of origin; and
- (e) estimated time of arrival at the site.

22.6 Customs Clearance

- (a) The Purchaser will bear responsibility for, and cost of, customs clearance into the Purchaser's country in accordance the particular Incoterm(s) used for Goods supplied from outside the Purchaser's country in the Price Schedules referred to by Article 2 of the Contract Agreement.
- (b) At the request of the Purchaser, the Supplier will make available a representative or agent during the process of customs clearance in the Purchaser's country for goods supplied from outside the Purchaser's country. In the event of delays in customs clearance that are not the fault of the Supplier:
 - (i) the Supplier shall be entitled to an extension in the Time for Achieving Operational Acceptance, pursuant to GCC Clause 40;
 - (ii) the Contract Price shall be adjusted to compensate the Supplier for any additional storage charges that the Supplier may incur as a result of the delay.

23. Product Upgrades

23.1 At any point during performance of the Contract, should technological advances be introduced by the Supplier for Information Technologies originally offered by the Supplier in its bid and still to be delivered, the Supplier shall be obligated to offer to the Purchaser the latest versions of the available Information Technologies having equal or better performance or functionality at the same or lesser unit prices, pursuant to GCC Clause 39 (Changes to the System).

23.2 At any point during performance of the Contract, for Information Technologies still to be delivered, the Supplier will also pass on to the Purchaser any cost reductions and additional and/or improved support and facilities that it offers to other clients of the Supplier in the Purchaser's Country, pursuant to GCC Clause 39 (Changes to the System).

23.3 During performance of the Contract, the Supplier shall offer to the Purchaser all new versions, releases, and updates of Standard Software, as well as related documentation and technical support services, within thirty (30) days of their availability from the Supplier to other clients of the Supplier in the Purchaser's Country, and no later than twelve (12) months after they are released in the country of origin. In no case will the prices for these Software exceed those quoted by the Supplier in the Recurrent Costs tables in its bid.

23.4 **Unless otherwise specified in the SCC**, during the Warranty Period, the Supplier will provide at no additional cost to the Purchaser all new versions, releases, and updates for all Standard Software that are used in the System, within thirty (30) days of their availability from the Supplier to other clients of the Supplier in the Purchaser's country, and no later than twelve (12) months after they are released in the country of origin of the Software.

23.5 The Purchaser shall introduce all new versions, releases or updates of the Software within eighteen (18) months of receipt of a production-ready copy of the new version, release, or update, provided that the new version, release, or update does not adversely affect System operation or performance or require extensive reworking of the System. In cases where the new version, release, or update adversely affects System operation or performance, or requires extensive reworking of the System, the Supplier shall continue to support and maintain the version or release

previously in operation for as long as necessary to allow introduction of the new version, release, or update. In no case shall the Supplier stop supporting or maintaining a version or release of the Software less than twenty four (24) months after the Purchaser receives a production-ready copy of a subsequent version, release, or update. The Purchaser shall use all reasonable endeavors to implement any new version, release, or update as soon as practicable, subject to the twenty-four-month-long stop date.

24. Implementation, Installation, and Other Services	24.1	The Supplier shall provide all Services specified in the Contract and Agreed Project Plan in accordance with the highest standards of professional competence and integrity.
	24.2	Prices charged by the Supplier for Services, if not included in the Contract, shall be agreed upon in advance by the parties (including, but not restricted to, any prices submitted by the Supplier in the Recurrent Cost Schedules of its Bid) and shall not exceed the prevailing rates charged by the Supplier to other purchasers in the Purchaser's Country for similar services.
25. Inspections and Tests	25.1	The Purchaser or its representative shall have the right to inspect and/or test any components of the System, as specified in the Technical Requirements, to confirm their good working order and/or conformity to the Contract at the point of delivery and/or at the Project Site.
	25.2	The Purchaser or its representative shall be entitled to attend any such inspections and/or tests of the components, provided that the Purchaser shall bear all costs and expenses incurred in connection with such attendance, including but not limited to all inspection agent fees, travel, and related expenses.
	25.3	Should the inspected or tested components fail to conform to the Contract, the Purchaser may reject the component(s), and the Supplier shall either replace the rejected component(s), or make alterations as necessary so that it meets the Contract requirements free of cost to the Purchaser.
	25.4	The Project Manager may require the Supplier to carry out any inspection and/or test not specified in the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such inspection and/or test shall be added to the Contract Price. Further, if such inspection and/or test impedes the progress of work on the

System and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Time for Achieving Operational Acceptance and the other obligations so affected.

25.5 If any dispute shall arise between the parties in connection with or caused by an inspection and/or with regard to any component to be incorporated in the System that cannot be settled amicably between the parties within a reasonable period of time, either party may invoke the process pursuant to GCC Clause 43 (Settlement of Disputes), starting with referral of the matter to the Adjudicator in case an Adjudicator is included and named in the Contract Agreement.

26. Installation of the System

26.1 As soon as the System, or any Subsystem, has, in the opinion of the Supplier, been delivered, Pre-commissioned, and made ready for Commissioning and Operational Acceptance Testing in accordance with the Technical Requirements, the SCC and the Agreed Project Plan, the Supplier shall so notify the Purchaser in writing.

26.2 The Project Manager shall, within fourteen (14) days after receipt of the Supplier's notice under GCC Clause 26.1, either issue an Installation Certificate in the form specified in the Sample Contractual Forms Section in the bidding documents, stating that the System, or major component or Subsystem (if Acceptance by major component or Subsystem is specified pursuant to the SCC for GCC Clause 27.2.1), has achieved Installation by the date of the Supplier's notice under GCC Clause 26.1, or notify the Supplier in writing of any defects and/or deficiencies, including, but not limited to, defects or deficiencies in the interoperability or integration of the various components and/or Subsystems making up the System. The Supplier shall use all reasonable endeavors to promptly remedy any defect and/or deficiencies that the Project Manager has notified the Supplier of. The Supplier shall then promptly carry out retesting of the System or Subsystem and, when in the Supplier's opinion the System or Subsystem is ready for Commissioning and Operational Acceptance Testing, notify the Purchaser in writing, in accordance with GCC Clause 26.1. The procedure set out in this GCC Clause 26.2 shall be repeated, as necessary, until an Installation Certificate is issued.

26.3 If the Project Manager fails to issue the Installation Certificate and fails to inform the Supplier of any defects

and/or deficiencies within fourteen (14) days after receipt of the Supplier's notice under GCC Clause 26.1, or if the Purchaser puts the System or a Subsystem into production operation, then the System (or Subsystem) shall be deemed to have achieved successful Installation as of the date of the Supplier's notice or repeated notice, or when the Purchaser put the System into production operation, as the case may be.

27. Commissioning and Operational Acceptance

27.1 Commissioning

27.1.1 Commissioning of the System (or Subsystem if specified pursuant to the SCC for GCC Clause 27.2.1) shall be commenced by the Supplier:

- (a) immediately after the Installation Certificate is issued by the Project Manager, pursuant to GCC Clause 26.2; or
- (b) as otherwise specified in the Technical Requirement or the Agreed Project Plan; or
- (c) immediately after Installation is deemed to have occurred, under GCC Clause 26.3.

27.1.2 The Purchaser shall supply the operating and technical personnel and all materials and information reasonably required to enable the Supplier to carry out its obligations with respect to Commissioning.

Production use of the System or Subsystem(s) shall not commence prior to the start of formal Operational Acceptance Testing.

27.2 Operational Acceptance Tests

27.2.1 The Operational Acceptance Tests (and repeats of such tests) shall be the primary responsibility of the Purchaser (in accordance with GCC Clause 10.9), but shall be conducted with the full cooperation of the Supplier during Commissioning of the System (or major components or Subsystem[s]), to ascertain whether the System (or major component or Subsystem[s]) conforms to the Technical Requirements and meets the standard of performance quoted in the Supplier's bid, including, but not restricted to, the functional and technical performance requirements. **Unless otherwise specified in the SCC**, the Operational Acceptance Tests during Commissioning

will be conducted as specified in the Technical Requirements and/or the Agreed Project Plan.

At the Purchaser's discretion, Operational Acceptance Tests may also be performed on replacement Goods, upgrades and new version releases, and Goods that are added or field-modified after Operational Acceptance of the System.

27.2.2 If for reasons attributable to the Purchaser, the Operational Acceptance Test of the System (or Subsystem[s] or major components, pursuant to the SCC for GCC Clause 27.2.1) cannot be successfully completed within ninety (90) days from the date of Installation or any other period agreed upon in writing by the Purchaser and the Supplier, the Supplier shall be deemed to have fulfilled its obligations with respect to the technical and functional aspects of the Technical Specifications, SCC and/or the Agreed Project Plan, and GCC Clause 28.2 and 28.3 shall not apply.

27.3 Operational Acceptance

27.3.1 Subject to GCC Clause 27.4 (Partial Acceptance) below, Operational Acceptance shall occur in respect of the System, when

- (a) the Operational Acceptance Tests, as specified in the Technical Requirements, and/or SCC and/or the Agreed Project Plan have been successfully completed; or
- (b) the Operational Acceptance Tests have not been successfully completed or have not been carried out for reasons that are attributable to the Purchaser within the period from the date of Installation or any other agreed-upon period as specified in GCC Clause 27.2.2 above; or
- (c) the Purchaser has put the System into production or use for sixty (60) consecutive days. If the System is put into production or use in this manner, the Supplier shall notify the Purchaser and document such use.

27.3.2 At any time after any of the events set out in GCC Clause 27.3.1 have occurred, the Supplier may give a notice to the Project Manager requesting the issue of an Operational Acceptance Certificate.

27.3.3 After consultation with the Purchaser, and within fourteen (14) days after receipt of the Supplier's notice, the Project Manager shall:

- (a) issue an Operational Acceptance Certificate; or
- (b) notify the Supplier in writing of any defect or deficiencies or other reason for the failure of the Operational Acceptance Tests; or
- (c) issue the Operational Acceptance Certificate, if the situation covered by GCC Clause 27.3.1 (b) arises.

27.3.4 The Supplier shall use all reasonable endeavors to promptly remedy any defect and/or deficiencies and/or other reasons for the failure of the Operational Acceptance Test that the Project Manager has notified the Supplier of. Once such remedies have been made by the Supplier, the Supplier shall notify the Purchaser, and the Purchaser, with the full cooperation of the Supplier, shall use all reasonable endeavors to promptly carry out retesting of the System or Subsystem. Upon the successful conclusion of the Operational Acceptance Tests, the Supplier shall notify the Purchaser of its request for Operational Acceptance Certification, in accordance with GCC Clause 27.3.3. The Purchaser shall then issue to the Supplier the Operational Acceptance Certification in accordance with GCC Clause 27.3.3 (a), or shall notify the Supplier of further defects, deficiencies, or other reasons for the failure of the Operational Acceptance Test. The procedure set out in this GCC Clause 27.3.4 shall be repeated, as necessary, until an Operational Acceptance Certificate is issued.

27.3.5 If the System or Subsystem fails to pass the Operational Acceptance Test(s) in accordance with GCC Clause 27.2, then either:

- (a) the Purchaser may consider terminating the Contract, pursuant to GCC Clause 41.2.2;
or
- (b) if the failure to achieve Operational Acceptance within the specified time period is a result of the failure of the Purchaser to fulfill its obligations under the Contract, then the Supplier shall be deemed to have fulfilled its obligations with respect to the relevant technical and functional

aspects of the Contract, and GCC Clauses 30.3 and 30.4 shall not apply.

27.3.6 If within fourteen (14) days after receipt of the Supplier's notice the Project Manager fails to issue the Operational Acceptance Certificate or fails to inform the Supplier in writing of the justifiable reasons why the Project Manager has not issued the Operational Acceptance Certificate, the System or Subsystem shall be deemed to have been accepted as of the date of the Supplier's said notice.

27.4 Partial Acceptance

27.4.1 If so specified in the SCC for GCC Clause 27.2.1, Installation and Commissioning shall be carried out individually for each identified major component or Subsystem(s) of the System. In this event, the provisions in the Contract relating to Installation and Commissioning, including the Operational Acceptance Test, shall apply to each such major component or Subsystem individually, and Operational Acceptance Certificate(s) shall be issued accordingly for each such major component or Subsystem of the System, subject to the limitations contained in GCC Clause 27.4.2.

27.4.2 The issuance of Operational Acceptance Certificates for individual major components or Subsystems pursuant to GCC Clause 27.4.1 shall not relieve the Supplier of its obligation to obtain an Operational Acceptance Certificate for the System as an integrated whole (if so specified in the SCC for GCC Clauses 12.1 and 27.2.1) once all major components and Subsystems have been supplied, installed, tested, and commissioned.

27.4.3 In the case of minor components for the System that by their nature do not require Commissioning or an Operational Acceptance Test (e.g., minor fittings, furnishings or site works, etc.), the Project Manager shall issue an Operational Acceptance Certificate within fourteen (14) days after the fittings and/or furnishings have been delivered and/or installed or the site works have been completed. The Supplier shall, however, use all reasonable endeavors to promptly remedy any defects or deficiencies in such minor components detected by the Purchaser or Supplier.

F. GUARANTEES AND LIABILITIES

28. Operational Acceptance Time Guarantee

28.1 The Supplier guarantees that it shall complete the supply, Installation, Commissioning, and achieve Operational Acceptance of the System (or Subsystems, pursuant to the SCC for GCC Clause 27.2.1) within the time periods specified in the Implementation Schedule and/or the Agreed Project Plan pursuant to GCC Clause 8.2, or within such extended time to which the Supplier shall be entitled under GCC Clause 40 (Extension of Time for Achieving Operational Acceptance).

28.2 **Unless otherwise specified in the SCC**, if the Supplier fails to supply, install, commission, and achieve Operational Acceptance of the System (or Subsystems pursuant to the SCC for GCC Clause 27.2.1) within the time for achieving Operational Acceptance specified in the Implementation Schedule or the Agreed Project Plan, or any extension of the time for achieving Operational Acceptance previously granted under GCC Clause 40 (Extension of Time for Achieving Operational Acceptance), the Supplier shall pay to the Purchaser liquidated damages at the rate of one half of one percent per week as a percentage of the Contract Price (exclusive of Recurrent Costs if any), or the relevant part of the Contract Price if a Subsystem has not achieved Operational Acceptance. The aggregate amount of such liquidated damages shall in no event exceed the amount of ten (10) percent of the Contract Price (exclusive of Recurrent Costs if any). Once the Maximum is reached, the Purchaser may consider termination of the Contract, pursuant to GCC Clause 41.2.2.

28.3 **Unless otherwise specified in the SCC**, liquidated damages payable under GCC Clause 28.2 shall apply only to the failure to achieve Operational Acceptance of the System (and Subsystems) as specified in the Implementation Schedule and/or Agreed Project Plan. This Clause 28.3 shall not limit, however, any other rights or remedies the Purchaser may have under the Contract for other delays.

28.4 If liquidated damages are claimed by the Purchaser for the System (or Subsystem), the Supplier shall have no further liability whatsoever to the Purchaser in respect to the Operational Acceptance time guarantee for the System (or Subsystem). However, the payment of liquidated damages shall not in any way relieve the Supplier from any of its

obligations to complete the System or from any other of its obligations and liabilities under the Contract.

29. Defect Liability

29.1 The Supplier warrants that the System, including all Information Technologies, Materials, and other Goods supplied and Services provided, shall be free from defects in the design, engineering, Materials, and workmanship that prevent the System and/or any of its components from fulfilling the Technical Requirements or that limit in a material fashion the performance, reliability, or extensibility of the System and/or Subsystems. **Unless otherwise specified in the SCC**, there will be NO exceptions and/or limitations to this warranty with respect to Software (or categories of Software). Commercial warranty provisions of products supplied under the Contract shall apply to the extent that they do not conflict with the provisions of this Contract.

29.2 The Supplier also warrants that the Information Technologies, Materials, and other Goods supplied under the Contract are new, unused, and incorporate all recent improvements in design that materially affect the System's or Subsystem's ability to fulfill the Technical Requirements.

29.3 **Unless otherwise specified in the SCC**, the Supplier warrants that: (i) all Goods components to be incorporated into the System form part of the Supplier's and/or Subcontractor's current product lines, and (ii) they have been previously released to the market.

29.4 **Unless otherwise specified in the SCC**, the Warranty Period shall commence from the date of Operational Acceptance of the System (or of any major component or Subsystem for which separate Operational Acceptance is provided for in the Contract) and shall extend for thirty-six (36) months.

29.5 If during the Warranty Period any defect as described in GCC Clause 29.1 should be found in the design, engineering, Materials, and workmanship of the Information Technologies and other Goods supplied or of the Services provided by the Supplier, the Supplier shall promptly, in consultation and agreement with the Purchaser regarding appropriate remedying of the defects, and at its sole cost, repair, replace, or otherwise make good (as the Supplier shall, at its discretion, determine) such defect as well as any damage to the System caused by such defect.

Any defective Information Technologies or other Goods that have been replaced by the Supplier shall remain the property of the Supplier.

29.6 The Supplier shall not be responsible for the repair, replacement, or making good of any defect, or of any damage to the System arising out of or resulting from any of the following causes:

- (a) improper operation or maintenance of the System by the Purchaser;
- (b) normal wear and tear;
- (c) use of the System with items not supplied by the Supplier, unless otherwise identified in the Technical Requirements, or approved by the Supplier; or
- (d) modifications made to the System by the Purchaser, or a third party, not approved by the Supplier.

29.7 The Supplier's obligations under this GCC Clause 29 shall not apply to:

- (a) any materials that are normally consumed in operation or have a normal life shorter than the Warranty Period; or
- (b) any designs, specifications, or other data designed, supplied, or specified by or on behalf of the Purchaser or any matters for which the Supplier has disclaimed responsibility, in accordance with GCC Clause 21.1.2.

29.8 The Purchaser shall give the Supplier a notice promptly following the discovery of such defect, stating the nature of any such defect together with all available evidence. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect any such defect. The Purchaser shall afford the Supplier all necessary access to the System and the site to enable the Supplier to perform its obligations under this GCC Clause 29.

29.9 The Supplier may, with the consent of the Purchaser, remove from the site any Information Technologies and other Goods that are defective, if the nature of the defect, and/or any damage to the System caused by the defect, is such that repairs cannot be expeditiously carried out at the site. If the repair, replacement, or making good is of such a character that it may affect the efficiency of the System, the Purchaser may give the Supplier notice requiring that tests of the defective part be made by the Supplier

immediately upon completion of such remedial work, whereupon the Supplier shall carry out such tests.

If such part fails the tests, the Supplier shall carry out further repair, replacement, or making good (as the case may be) until that part of the System passes such tests. The tests shall be agreed upon by the Purchaser and the Supplier.

- 29.10 **Unless otherwise specified in the SCC**, the response times and repair/replacement times for Warranty Defect Repair are specified in the Technical Requirements. Nevertheless, if the Supplier fails to commence the work necessary to remedy such defect or any damage to the System caused by such defect within two weeks the Purchaser may, following notice to the Supplier, proceed to do such work or contract a third party (or parties) to do such work, and the reasonable costs incurred by the Purchaser in connection with such work shall be paid to the Purchaser by the Supplier or may be deducted by the Purchaser from any monies due the Supplier or claimed under the Performance Security.
- 29.11 If the System or Subsystem cannot be used by reason of such defect and/or making good of such defect, the Warranty Period for the System shall be extended by a period equal to the period during which the System or Subsystem could not be used by the Purchaser because of such defect and/or making good of such defect.
- 29.12 Items substituted for defective parts of the System during the Warranty Period shall be covered by the Defect Liability Warranty for the remainder of the Warranty Period applicable for the part replaced or three (3) months, whichever is greater. For reasons of information security, the Purchaser may choose to retain physical possession of any replaced defective information storage devices.
- 29.13 At the request of the Purchaser and without prejudice to any other rights and remedies that the Purchaser may have against the Supplier under the Contract, the Supplier will offer all possible assistance to the Purchaser to seek warranty services or remedial action from any subcontracted third-party producers or licensor of Goods included in the System, including without limitation assignment or transfer in favor of the Purchaser of the benefit of any warranties given by such producers or licensors to the Supplier.

30. Functional Guarantees

30.1 The Supplier guarantees that, once the Operational Acceptance Certificate(s) has been issued, the System represents a complete, integrated solution to the Purchaser's requirements set forth in the Technical Requirements and it conforms to all other aspects of the Contract. The Supplier acknowledges that GCC Clause 27 regarding Commissioning and Operational Acceptance governs how technical conformance of the System to the Contract requirements will be determined.

30.2 If, for reasons attributable to the Supplier, the System does not conform to the Technical Requirements or does not conform to all other aspects of the Contract, the Supplier shall at its cost and expense make such changes, modifications, and/or additions to the System as may be necessary to conform to the Technical Requirements and meet all functional and performance standards. The Supplier shall notify the Purchaser upon completion of the necessary changes, modifications, and/or additions and shall request the Purchaser to repeat the Operational Acceptance Tests until the System achieves Operational Acceptance.

30.3 If the System (or Subsystem[s]) fails to achieve Operational Acceptance, the Purchaser may consider termination of the Contract, pursuant to GCC Clause 41.2.2, and forfeiture of the Supplier's Performance Security in accordance with GCC Clause 13.3 in compensation for the extra costs and delays likely to result from this failure.

31. Intellectual Property Rights Warranty

31.1 The Supplier hereby represents and warrants that:

- (a) the System as supplied, installed, tested, and accepted;
- (b) use of the System in accordance with the Contract; and
- (c) copying of the Software and Materials provided to the Purchaser in accordance with the Contract

do not and will not infringe any Intellectual Property Rights held by any third party and that it has all necessary rights or at its sole expense shall have secured in writing all transfers of rights and other consents necessary to make the assignments, licenses, and other transfers of Intellectual Property Rights and the warranties set forth in the Contract, and for the Purchaser to own or exercise all Intellectual Property Rights as provided in the Contract.

Without limitation, the Supplier shall secure all necessary written agreements, consents, and transfers of rights from its employees and other persons or entities whose services are used for development of the System.

32. Intellectual Property Rights Indemnity

32.1 The Supplier shall indemnify and hold harmless the Purchaser and its employees and officers from and against any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability), that the Purchaser or its employees or officers may suffer as a result of any infringement or alleged infringement of any Intellectual Property Rights by reason of:

- (a) installation of the System by the Supplier or the use of the System, including the Materials, in the country where the site is located;
- (b) copying of the Software and Materials provided the Supplier in accordance with the Agreement; and
- (c) sale of the products produced by the System in any country, except to the extent that such losses, liabilities, and costs arise as a result of the Purchaser's breach of GCC Clause 32.2.

32.2 Such indemnity shall not cover any use of the System, including the Materials, other than for the purpose indicated by or to be reasonably inferred from the Contract, any infringement resulting from the use of the System, or any products of the System produced thereby in association or combination with any other goods or services not supplied by the Supplier, where the infringement arises because of such association or combination and not because of use of the System in its own right.

32.3 Such indemnities shall also not apply if any claim of infringement:

- (a) is asserted by a parent, subsidiary, or affiliate of the Purchaser's organization;
- (b) is a direct result of a design mandated by the Purchaser's Technical Requirements and the possibility of such infringement was duly noted in the Supplier's Bid; or
- (c) results from the alteration of the System, including the Materials, by the Purchaser or any persons other

than the Supplier or a person authorized by the Supplier.

32.4 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Clause 32.1, the Purchaser shall promptly give the Supplier notice of such proceedings or claims, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf. Unless the Supplier has so failed to notify the Purchaser within the twenty-eight (28) days, the Purchaser shall make no admission that may be prejudicial to the defense of any such proceedings or claim. The Purchaser 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.

32.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the Supplier or its employees, officers, or Subcontractors may suffer as a result of any infringement or alleged infringement of any Intellectual Property Rights arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided to the Supplier in connection with this Contract by the Purchaser or any persons (other than the Supplier) contracted by the Purchaser, except to the extent that such losses, liabilities, and costs arise as a result of the Supplier's breach of GCC Clause 32.8.

32.6 Such indemnity shall not cover

(a) any use of the design, data, drawing, specification, or other documents or materials, other than for the purpose indicated by or to be reasonably inferred from the Contract;

(b) any infringement resulting from the use of the design, data, drawing, specification, or other documents or materials, or any products produced thereby, in association or combination with any other Goods or Services not provided by the Purchaser or any other person contracted by the Purchaser, where the infringement arises because of such association or combination and not because of the use of the design, data, drawing, specification, or other documents or materials in its own right.

32.7 Such indemnities shall also not apply:

- (a) if any claim of infringement is asserted by a parent, subsidiary, or affiliate of the Supplier's organization;
- (b) to the extent that any claim of infringement is caused by the alteration, by the Supplier, or any persons contracted by the Supplier, of the design, data, drawing, specification, or other documents or materials provided to the Supplier by the Purchaser or any persons contracted by the Purchaser.

32.8 If any proceedings are brought or any claim is made against the Supplier arising out of the matters referred to in GCC Clause 32.5, the Supplier shall promptly give the Purchaser notice of such proceedings or claims, and the Purchaser may at its own expense and in the Supplier's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. If the Purchaser fails to notify the Supplier within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Supplier shall be free to conduct the same on its own behalf. Unless the Purchaser has so failed to notify the Supplier within the twenty-eight (28) days, the Supplier shall make no admission that may be prejudicial to the defense of any such proceedings or claim. The Supplier shall, at the Purchaser's request, afford all available assistance to the Purchaser in conducting such proceedings or claim and shall be reimbursed by the Purchaser for all reasonable expenses incurred in so doing.

33. Limitation of Liability

33.1 Provided the following does not exclude or limit any liabilities of either party in ways not permitted by applicable law:

- (a) the Supplier shall not be liable to the Purchaser, 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 Purchaser; and

(b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Supplier to indemnify the Purchaser with respect to intellectual property rights infringement.

G. RISK DISTRIBUTION

34. Transfer of Ownership

34.1 With the exception of Software and Materials, the ownership of the Information Technologies and other Goods shall be transferred to the Purchaser at the time of Delivery or otherwise under terms that may be agreed upon and specified in the Contract Agreement.

34.2 Ownership and the terms of usage of the Software and Materials supplied under the Contract shall be governed by GCC Clause 15 (Copyright) Clause 16 (Software License Agreements), and any elaboration in the Technical Requirements.

34.3 Ownership of the Supplier's Equipment used by the Supplier and its Subcontractors in connection with the Contract shall remain with the Supplier or its Subcontractors.

35. Care of the System

35.1 The Purchaser shall become responsible for the care and custody of the System or Subsystems upon their Delivery. The Purchaser shall make good at its own cost any loss or damage that may occur to the System or Subsystems from any cause from the date of Delivery until the date of Operational Acceptance of the System or Subsystems, pursuant to GCC Clause 27 (Commissioning and Operational Acceptance), excepting such loss or damage arising from acts or omissions of the Supplier, its employees, or subcontractors.

35.2 If any loss or damage occurs to the System or any part of the System by reason of:

- (a) (insofar as they relate to the country where the Project Site is located) nuclear reaction, nuclear radiation, radioactive contamination, a pressure wave caused by aircraft or other aerial objects, or any other occurrences that an experienced Supplier could not reasonably foresee, or if reasonably foreseeable could not reasonably make provision for or insure against, insofar as such risks are not normally insurable on the insurance market and are mentioned in the general exclusions of the policy of insurance taken out under GCC Clause 37;
- (b) any use not in accordance with the Contract, by the Purchaser or any third party;
- (c) any use of or reliance upon any design, data, or specification provided or designated by or on behalf of the Purchaser, or any such matter for which the Supplier has disclaimed responsibility in accordance with GCC Clause 21.1.2,

the Purchaser shall pay to the Supplier all sums payable in respect of the System or Subsystems that have achieved Operational Acceptance, notwithstanding that the same be lost, destroyed, or damaged. If the Purchaser requests the Supplier in writing to make good any loss or damage to the System thereby occasioned, the Supplier shall make good the same at the cost of the Purchaser in accordance with GCC Clause 39. If the Purchaser does not request the Supplier in writing to make good any loss or damage to the System thereby occasioned, the Purchaser shall either request a change in accordance with GCC Clause 39, excluding the performance of that part of the System thereby lost, destroyed, or damaged, or, where the loss or damage affects a substantial part of the System, the Purchaser shall terminate the Contract pursuant to GCC Clause 41.1.

35.3 The Purchaser shall be liable for any loss of or damage to any Supplier's Equipment which the Purchaser has authorized to locate within the Purchaser's premises for use in fulfillment of Supplier's obligations under the Contract, except where such loss or damage arises from acts or omissions of the Supplier, its employees, or subcontractors.

36. Loss of or Damage to Property; Accident or Injury to Workers; Indemnification

36.1 The Supplier and each and every Subcontractor shall abide by the job safety, insurance, customs, and immigration measures prevalent and laws in force in the Purchaser's Country.

36.2 Subject to GCC Clause 36.3, the Supplier shall indemnify and hold harmless the Purchaser and its employees and officers from and against any and all losses, liabilities and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the Purchaser or its employees or officers may suffer as a result of the death or injury of any person or loss of or damage to any property (other than the System, whether accepted or not) arising in connection with the supply, installation, testing, and Commissioning of the System and by reason of the negligence of the Supplier or its Subcontractors, or their employees, officers or agents, except any injury, death, or property damage caused by the negligence of the Purchaser, its contractors, employees, officers, or agents.

36.3 If any proceedings are brought or any claim is made against the Purchaser that might subject the Supplier to liability under GCC Clause 36.2, the Purchaser shall promptly give the Supplier notice of such proceedings or claims, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf. Unless the Supplier has so failed to notify the Purchaser within the twenty-eight (28) day period, the Purchaser shall make no admission that may be prejudicial to the defense of any such proceedings or claim. The Purchaser 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.

36.4 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the Supplier or its employees, officers, or Subcontractors may suffer as a result of the death or personal injury of any person or loss of or damage

to property of the Purchaser, other than the System not yet achieving Operational Acceptance, that is caused by fire, explosion, or any other perils, in excess of the amount recoverable from insurances procured under GCC Clause 37 (Insurances), provided that such fire, explosion, or other perils were not caused by any act or failure of the Supplier.

36.5 If any proceedings are brought or any claim is made against the Supplier that might subject the Purchaser to liability under GCC Clause 36.4, the Supplier shall promptly give the Purchaser notice of such proceedings or claims, and the Purchaser may at its own expense and in the Supplier's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. If the Purchaser fails to notify the Supplier within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Supplier shall be free to conduct the same on its own behalf. Unless the Purchaser has so failed to notify the Supplier within the twenty-eight (28) days, the Supplier shall make no admission that may be prejudicial to the defense of any such proceedings or claim. The Supplier shall, at the Purchaser's request, afford all available assistance to the Purchaser in conducting such proceedings or claim and shall be reimbursed by the Purchaser for all reasonable expenses incurred in so doing.

36.6 The party entitled to the benefit of an indemnity under this GCC Clause 36 shall take all reasonable measures to mitigate any loss or damage that has occurred. If the party fails to take such measures, the other party's liabilities shall be correspondingly reduced.

37. Insurances

37.1 The Supplier shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurance set forth below. The identity of the insurers and the form of the policies shall be subject to the approval of the Purchaser, who should not unreasonably withhold such approval.

(a) Cargo Insurance During Transport
as applicable, 110 percent of the price of the Information Technologies and other Goods in a freely convertible currency, covering the Goods from

physical loss or damage during shipment through receipt at the Project Site.

(b) Installation “All Risks” Insurance

as applicable, 110 percent of the price of the Information Technologies and other Goods covering the Goods at the site from all risks of physical loss or damage (excluding only perils commonly excluded under “all risks” insurance policies of this type by reputable insurers) occurring prior to Operational Acceptance of the System.

(c) Third-Party Liability Insurance

On terms as **specified in the SCC**, covering bodily injury or death suffered by third parties (including the Purchaser’s personnel) and loss of or damage to property (including the Purchaser’s property and any Subsystems that have been accepted by the Purchaser) occurring in connection with the supply and installation of the Information System.

(d) Automobile Liability Insurance

In accordance with the statutory requirements prevailing in the Purchaser’s Country, covering use of all vehicles used by the Supplier or its Subcontractors (whether or not owned by them) in connection with the execution of the Contract.

(e) Other Insurance (if any), as **specified in the SCC**.

37.2 The Purchaser shall be named as co-insured under all insurance policies taken out by the Supplier pursuant to GCC Clause 37.1, except for the Third-Party Liability, and the Supplier’s Subcontractors shall be named as co-insured under all insurance policies taken out by the Supplier pursuant to GCC Clause 37.1 except for Cargo Insurance During Transport. All insurer’s rights of subrogation against such co-insured for losses or claims arising out of the performance of the Contract shall be waived under such policies.

37.3 The Supplier shall deliver to the Purchaser certificates of insurance (or copies of the insurance policies) as evidence that the required policies are in full force and effect.

37.4 The Supplier shall ensure that, where applicable, its Subcontractor(s) shall take out and maintain in effect adequate insurance policies for their personnel and vehicles and for work executed by them under the Contract, unless

such Subcontractors are covered by the policies taken out by the Supplier.

37.5 If the Supplier fails to take out and/or maintain in effect the insurance referred to in GCC Clause 37.1, the Purchaser may take out and maintain in effect any such insurance and may from time to time deduct from any amount due the Supplier under the Contract any premium that the Purchaser shall have paid to the insurer or may otherwise recover such amount as a debt due from the Supplier.

37.6 Unless otherwise provided in the Contract, the Supplier shall prepare and conduct all and any claims made under the policies affected by it pursuant to this GCC Clause 37, and all monies payable by any insurers shall be paid to the Supplier. The Purchaser shall give to the Supplier all such reasonable assistance as may be required by the Supplier in connection with any claim under the relevant insurance policies. With respect to insurance claims in which the Purchaser's interest is involved, the Supplier shall not give any release or make any compromise with the insurer without the prior written consent of the Purchaser. With respect to insurance claims in which the Supplier's interest is involved, the Purchaser shall not give any release or make any compromise with the insurer without the prior written consent of the Supplier.

38. Force Majeure

38.1 “Force Majeure” shall mean any event beyond the reasonable control of the Purchaser or of the Supplier, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected and shall include, without limitation, the following:

- (a) war, hostilities, or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy, and civil war;
- (b) rebellion, revolution, insurrection, mutiny, usurpation of civil or military government, conspiracy, riot, civil commotion, and terrorist acts;
- (c) confiscation, nationalization, mobilization, commandeering or requisition by or under the order of any government or de jure or de facto authority or ruler, or any other act or failure to act of any local state or national government authority;
- (d) strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public

transportation and communication, industrial dispute, shipwreck, shortage or restriction of power supply, epidemics, quarantine, and plague;

- (e) earthquake, landslide, volcanic activity, fire, flood or inundation, tidal wave, typhoon or cyclone, hurricane, storm, lightning, or other inclement weather condition, nuclear and pressure waves, or other natural or physical disaster;
- (f) failure, by the Supplier, to obtain the necessary export permit(s) from the governments of the Country(s) of Origin of the Information Technologies or other Goods, or Supplier's Equipment provided that the Supplier has made all reasonable efforts to obtain the required export permit(s), including the exercise of due diligence in determining the eligibility of the System and all of its components for receipt of the necessary export permits.

- 38.2 If either party is prevented, hindered, or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fourteen (14) days after the occurrence of such event.
- 38.3 The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered, or delayed. The Time for Achieving Operational Acceptance shall be extended in accordance with GCC Clause 40 (Extension of Time for Achieving Operational Acceptance).
- 38.4 The party or parties affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure upon its or their performance of the Contract and to fulfill its or their obligations under the Contract, but without prejudice to either party's right to terminate the Contract under GCC Clause 38.6.
- 38.5 No delay or nonperformance by either party to this Contract caused by the occurrence of any event of Force Majeure shall:
 - (a) constitute a default or breach of the Contract;

(b) (subject to GCC Clauses 35.2, 38.3, and 38.4) give rise to any claim for damages or additional cost or expense occasioned by the delay or nonperformance, if, and to the extent that, such delay or nonperformance is caused by the occurrence of an event of Force Majeure.

38.6 If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than sixty (60) days or an aggregate period of more than one hundred and twenty (120) days on account of one or more events of Force Majeure during the time period covered by the Contract, the parties will attempt to develop a mutually satisfactory solution, failing which, either party may terminate the Contract by giving a notice to the other.

38.7 In the event of termination pursuant to GCC Clause 38.6, the rights and obligations of the Purchaser and the Supplier shall be as specified in GCC Clauses 41.1.2 and 41.1.3.

38.8 Notwithstanding GCC Clause 38.5, Force Majeure shall not apply to any obligation of the Purchaser to make payments to the Supplier under this Contract.

H. CHANGE IN CONTRACT ELEMENTS

39. Changes to the System

39.1 Introducing a Change

39.1.1 Subject to GCC Clauses 39.2.5 and 39.2.7, the Purchaser shall have the right to propose, and subsequently require, the Project Manager to order the Supplier from time to time during the performance of the Contract to make any change, modification, addition, or deletion to, in, or from the System (interchangeably called “Change”), provided that such Change falls within the general scope of the System, does not constitute unrelated work, and is technically practicable, taking into account both the state of advancement of the System and the technical compatibility of the Change envisaged with the nature of the System as originally specified in the Contract.

A Change may involve, but is not restricted to, the substitution of updated Information Technologies and related Services in accordance with GCC Clause 23 (Product Upgrades).

39.1.2 The Supplier may from time to time during its performance of the Contract propose to the Purchaser

(with a copy to the Project Manager) any Change that the Supplier considers necessary or desirable to improve the quality or efficiency of the System. The Purchaser may at its discretion approve or reject any Change proposed by the Supplier.

- 39.1.3 Notwithstanding GCC Clauses 39.1.1 and 39.1.2, no change made necessary because of any default of the Supplier in the performance of its obligations under the Contract shall be deemed to be a Change, and such change shall not result in any adjustment of the Contract Price or the Time for Achieving Operational Acceptance.
- 39.1.4 The procedure on how to proceed with and execute Changes is specified in GCC Clauses 39.2 and 39.3, and further details and sample forms are provided in the Sample Contractual Forms Section in the bidding documents.
- 39.1.5 Moreover, the Purchaser and Supplier will agree, during development of the Project Plan, to a date prior to the scheduled date for Operational Acceptance, after which the Technical Requirements for the System shall be “frozen.” Any Change initiated after this time will be dealt with after Operational Acceptance.

39.2 Changes Originating from Purchaser

- 39.2.1 If the Purchaser proposes a Change pursuant to GCC Clauses 39.1.1, it shall send to the Supplier a “Request for Change Proposal,” requiring the Supplier to prepare and furnish to the Project Manager as soon as reasonably practicable a “Change Proposal,” which shall include the following:
 - (a) brief description of the Change;
 - (b) impact on the Time for Achieving Operational Acceptance;
 - (c) detailed estimated cost of the Change;
 - (d) effect on Functional Guarantees (if any);
 - (e) effect on any other provisions of the Contract.
- 39.2.2 Prior to preparing and submitting the “Change Proposal,” the Supplier shall submit to the Project Manager a “Change Estimate Proposal,” which shall be an estimate of the cost of preparing the Change Proposal, plus a first approximation of the suggested

approach and cost for implementing the changes. Upon receipt of the Supplier's Change Estimate Proposal, the Purchaser shall do one of the following:

- (a) accept the Supplier's estimate with instructions to the Supplier to proceed with the preparation of the Change Proposal;
- (b) advise the Supplier of any part of its Change Estimate Proposal that is unacceptable and request the Supplier to review its estimate;
- (c) advise the Supplier that the Purchaser does not intend to proceed with the Change.

39.2.3 Upon receipt of the Purchaser's instruction to proceed under GCC Clause 39.2.2 (a), the Supplier shall, with proper expedition, proceed with the preparation of the Change Proposal, in accordance with GCC Clause 39.2.1. The Supplier, at its discretion, may specify a validity period for the Change Proposal, after which if the Purchaser and Supplier has not reached agreement in accordance with GCC Clause 39.2.6, then GCC Clause 39.2.7 shall apply.

39.2.4 The pricing of any Change shall, as far as practicable, be calculated in accordance with the rates and prices included in the Contract. If the nature of the Change is such that the Contract rates and prices are inequitable, the parties to the Contract shall agree on other specific rates to be used for valuing the Change.

39.2.5 If before or during the preparation of the Change Proposal it becomes apparent that the aggregate impact of compliance with the Request for Change Proposal and with all other Change Orders that have already become binding upon the Supplier under this GCC Clause 39 would be to increase or decrease the Contract Price as originally set forth in Article 2 (Contract Price) of the Contract Agreement by more than fifteen (15) percent, the Supplier may give a written notice of objection to this Request for Change Proposal prior to furnishing the Change Proposal. If the Purchaser accepts the Supplier's objection, the Purchaser shall withdraw the proposed Change and shall notify the Supplier in writing of its acceptance.

The Supplier's failure to so object to a Request for Change Proposal shall neither affect its right to object to any subsequent requested Changes or Change

Orders, nor affect its right to take into account, when making such subsequent objection, the percentage increase or decrease in the Contract Price that any Change not objected to by the Supplier represents.

39.2.6 Upon receipt of the Change Proposal, the Purchaser and the Supplier shall mutually agree upon all matters contained in the Change Proposal. Within fourteen (14) days after such agreement, the Purchaser shall, if it intends to proceed with the Change, issue the Supplier a Change Order. If the Purchaser is unable to reach a decision within fourteen (14) days, it shall notify the Supplier with details of when the Supplier can expect a decision. If the Purchaser decides not to proceed with the Change for whatever reason, it shall, within the said period of fourteen (14) days, notify the Supplier accordingly. Under such circumstances, the Supplier shall be entitled to reimbursement of all costs reasonably incurred by it in the preparation of the Change Proposal, provided that these do not exceed the amount given by the Supplier in its Change Estimate Proposal submitted in accordance with GCC Clause 39.2.2.

39.2.7 If the Purchaser and the Supplier cannot reach agreement on the price for the Change, an equitable adjustment to the Time for Achieving Operational Acceptance, or any other matters identified in the Change Proposal, the Change will not be implemented. However, this provision does not limit the rights of either party under GCC Clause 6 (Settlement of Disputes).

39.3 Changes Originating from Supplier

If the Supplier proposes a Change pursuant to GCC Clause 39.1.2, the Supplier shall submit to the Project Manager a written “Application for Change Proposal,” giving reasons for the proposed Change and including the information specified in GCC Clause 39.2.1. Upon receipt of the Application for Change Proposal, the parties shall follow the procedures outlined in GCC Clauses 39.2.6 and 39.2.7. However, should the Purchaser choose not to proceed or the Purchaser and the Supplier cannot come to agreement on the change during any validity period that the Supplier may specify in its Application for Change Proposal, the Supplier shall not be entitled to recover the costs of preparing the Application for Change Proposal,

unless subject to an agreement between the Purchaser and the Supplier to the contrary.

39.4 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 Purchaser may incur in implementing the value engineering proposal; and
- (c) a description of any effect(s) of the change on performance/functionality.

The Purchaser 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 Purchaser; or
- (c) improves the quality, efficiency, safety or sustainability of the systems; or
- (d) yields any other benefits to the Purchaser,

without compromising the necessary functions of the systems.

If the value engineering proposal is approved by the Purchaser 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.

40. Extension of Time for Achieving Operational Acceptance

40.1 The time(s) for achieving Operational Acceptance specified in the Schedule of Implementation shall be extended if the Supplier is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:

- (a) any Change in the System as provided in GCC Clause 39 (Change in the Information System);
- (b) any occurrence of Force Majeure as provided in GCC Clause 38 (Force Majeure);
- (c) default of the Purchaser; or
- (d) any other matter specifically mentioned in the Contract;

by such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Supplier.

40.2 Except where otherwise specifically provided in the Contract, the Supplier shall submit to the Project Manager a notice of a claim for an extension of the time for achieving Operational Acceptance, together with particulars of the event or circumstance justifying such extension as soon as reasonably practicable after the commencement of such event or circumstance. As soon as reasonably practicable after receipt of such notice and supporting particulars of the claim, the Purchaser and the Supplier shall agree upon the period of such extension. In the event that the Supplier does not accept the Purchaser's estimate of a fair and reasonable time extension, the Supplier shall be entitled to refer the matter to the provisions for the Settlement of Disputes pursuant to GCC Clause 43.

40.3 The Supplier shall at all times use its reasonable efforts to minimize any delay in the performance of its obligations under the Contract.

41. Termination

41.1 Termination for Purchaser's Convenience

41.1.1 The Purchaser may at any time terminate the Contract for any reason by giving the Supplier a notice of termination that refers to this GCC Clause 41.1.

41.1.2 Upon receipt of the notice of termination under GCC Clause 41.1.1, the Supplier shall either as soon as reasonably practical or upon the date specified in the notice of termination

- (a) cease all further work, except for such work as the Purchaser may specify in the notice of termination for the sole purpose of protecting that part of the System already executed, or any

work required to leave the site in a clean and safe condition;

- (b) terminate all subcontracts, except those to be assigned to the Purchaser pursuant to GCC Clause 41.1.2 (d) (ii) below;
- (c) remove all Supplier's Equipment from the site, repatriate the Supplier's Personnel from the site, remove from the site any wreckage, rubbish, and debris of any kind;
- (d) in addition, the Supplier, subject to the payment specified in GCC Clause 41.1.3, shall
 - (i) deliver to the Purchaser the parts of the System executed by the Supplier up to the date of termination;
 - (ii) to the extent legally possible, assign to the Purchaser all right, title, and benefit of the Supplier to the System, or Subsystem, as at the date of termination, and, as may be required by the Purchaser, in any subcontracts concluded between the Supplier and its Subcontractors;
 - (iii) deliver to the Purchaser all nonproprietary drawings, specifications, and other documents prepared by the Supplier or its Subcontractors as of the date of termination in connection with the System.

41.1.3 In the event of termination of the Contract under GCC Clause 41.1.1, the Purchaser shall pay to the Supplier the following amounts:

- (a) the Contract Price, properly attributable to the parts of the System executed by the Supplier as of the date of termination;
- (b) the costs reasonably incurred by the Supplier in the removal of the Supplier's Equipment from the site and in the repatriation of the Supplier's Personnel;
- (c) any amount to be paid by the Supplier to its Subcontractors in connection with the termination of any subcontracts, including any cancellation charges;

- (d) costs incurred by the Supplier in protecting the System and leaving the site in a clean and safe condition pursuant to GCC Clause 41.1.2 (a); and
- (e) the cost of satisfying all other obligations, commitments, and claims that the Supplier may in good faith have undertaken with third parties in connection with the Contract and that are not covered by GCC Clauses 41.1.3 (a) through (d) above.

41.2 Termination for Supplier's Default

41.2.1 The Purchaser, without prejudice to any other rights or remedies it may possess, may terminate the Contract forthwith in the following circumstances by giving a notice of termination and its reasons therefore to the Supplier, referring to this GCC Clause 41.2:

- (a) if the Supplier becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, if the Supplier is a corporation, a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Supplier takes or suffers any other analogous action in consequence of debt;
- (b) if the Supplier assigns or transfers the Contract or any right or interest therein in violation of the provision of GCC Clause 42 (Assignment); or
- (c) if the Supplier, in the judgment of the Purchaser has engaged in Fraud and Corruption, as defined in paragraph 2.2 a. of the Appendix 1 to the GCC, in competing for or in executing the Contract, including but not limited to willful misrepresentation of facts concerning ownership of Intellectual Property Rights in, or proper authorization and/or licenses from the owner to offer, the hardware, software, or materials provided under this Contract.

41.2.2 If the Supplier:

- (a) has abandoned or repudiated the Contract;
- (b) has without valid reason failed to commence work on the System promptly;

- (c) persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause;
- (d) refuses or is unable to provide sufficient Materials, Services, or labor to execute and complete the System in the manner specified in the Agreed Project Plan furnished under GCC Clause 19 at rates of progress that give reasonable assurance to the Purchaser that the Supplier can attain Operational Acceptance of the System by the Time for Achieving Operational Acceptance as extended;

then the Purchaser may, without prejudice to any other rights it may possess under the Contract, give a notice to the Supplier stating the nature of the default and requiring the Supplier to remedy the same. If the Supplier fails to remedy or to take steps to remedy the same within thirty (30) days of its receipt of such notice, then the Purchaser may terminate the Contract forthwith by giving a notice of termination to the Supplier that refers to this GCC Clause 41.2.

41.2.3 Upon receipt of the notice of termination under GCC Clauses 41.2.1 or 41.2.2, the Supplier shall, either immediately or upon such date as is specified in the notice of termination:

- (a) cease all further work, except for such work as the Purchaser may specify in the notice of termination for the sole purpose of protecting that part of the System already executed or any work required to leave the site in a clean and safe condition;
- (b) terminate all subcontracts, except those to be assigned to the Purchaser pursuant to GCC Clause 41.2.3 (d) below;
- (c) deliver to the Purchaser the parts of the System executed by the Supplier up to the date of termination;
- (d) to the extent legally possible, assign to the Purchaser all right, title and benefit of the Supplier to the System or Subsystems as at the date of termination, and, as may be required by

the Purchaser, in any subcontracts concluded between the Supplier and its Subcontractors;

- (e) deliver to the Purchaser all drawings, specifications, and other documents prepared by the Supplier or its Subcontractors as at the date of termination in connection with the System.

41.2.4 The Purchaser may enter upon the site, expel the Supplier, and complete the System itself or by employing any third party. Upon completion of the System or at such earlier date as the Purchaser thinks appropriate, the Purchaser shall give notice to the Supplier that such Supplier's Equipment will be returned to the Supplier at or near the site and shall return such Supplier's Equipment to the Supplier in accordance with such notice. The Supplier shall thereafter without delay and at its cost remove or arrange removal of the same from the site.

41.2.5 Subject to GCC Clause 41.2.6, the Supplier shall be entitled to be paid the Contract Price attributable to the portion of the System executed as at the date of termination and the costs, if any, incurred in protecting the System and in leaving the site in a clean and safe condition pursuant to GCC Clause 41.2.3 (a). Any sums due the Purchaser from the Supplier accruing prior to the date of termination shall be deducted from the amount to be paid to the Supplier under this Contract.

41.2.6 If the Purchaser completes the System, the cost of completing the System by the Purchaser shall be determined. If the sum that the Supplier is entitled to be paid, pursuant to GCC Clause 41.2.5, plus the reasonable costs incurred by the Purchaser in completing the System, exceeds the Contract Price, the Supplier shall be liable for such excess. If such excess is greater than the sums due the Supplier under GCC Clause 41.2.5, the Supplier shall pay the balance to the Purchaser, and if such excess is less than the sums due the Supplier under GCC Clause 41.2.5, the Purchaser shall pay the balance to the Supplier. The Purchaser and the Supplier shall agree, in writing, on the computation described above and the manner in which any sums shall be paid.

41.3 Termination by Supplier

41.3.1 If:

- (a) the Purchaser has failed to pay the Supplier any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause **pursuant to the SCC**, or commits a substantial breach of the Contract, the Supplier may give a notice to the Purchaser that requires payment of such sum, with interest on this sum as stipulated in GCC Clause 12.3, requires approval of such invoice or supporting documents, or specifies the breach and requires the Purchaser to remedy the same, as the case may be. If the Purchaser fails to pay such sum together with such interest, fails to approve such invoice or supporting documents or give its reasons for withholding such approval, fails to remedy the breach or take steps to remedy the breach within fourteen (14) days after receipt of the Supplier's notice; or
- (b) the Supplier is unable to carry out any of its obligations under the Contract for any reason attributable to the Purchaser, including but not limited to the Purchaser's failure to provide possession of or access to the site or other areas or failure to obtain any governmental permit necessary for the execution and/or completion of the System;

then the Supplier may give a notice to the Purchaser of such events, and if the Purchaser has failed to pay the outstanding sum, to approve the invoice or supporting documents, to give its reasons for withholding such approval, or to remedy the breach within twenty-eight (28) days of such notice, or if the Supplier is still unable to carry out any of its obligations under the Contract for any reason attributable to the Purchaser within twenty-eight (28) days of the said notice, the Supplier may by a further notice to the Purchaser referring to this GCC Clause 41.3.1, forthwith terminate the Contract.

41.3.2 The Supplier may terminate the Contract immediately by giving a notice to the Purchaser to that effect, referring to this GCC Clause 41.3.2, if the Purchaser becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or,

being a corporation, if a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Purchaser takes or suffers any other analogous action in consequence of debt.

41.3.3 If the Contract is terminated under GCC Clauses 41.3.1 or 41.3.2, then the Supplier shall immediately:

- (a) cease all further work, except for such work as may be necessary for the purpose of protecting that part of the System already executed, or any work required to leave the site in a clean and safe condition;
- (b) terminate all subcontracts, except those to be assigned to the Purchaser pursuant to Clause 41.3.3 (d) (ii);
- (c) remove all Supplier's Equipment from the site and repatriate the Supplier's Personnel from the site.
- (d) In addition, the Supplier, subject to the payment specified in GCC Clause 41.3.4, shall:
 - (i) deliver to the Purchaser the parts of the System executed by the Supplier up to the date of termination;
 - (ii) to the extent legally possible, assign to the Purchaser all right, title, and benefit of the Supplier to the System, or Subsystems, as of the date of termination, and, as may be required by the Purchaser, in any subcontracts concluded between the Supplier and its Subcontractors;
 - (iii) to the extent legally possible, deliver to the Purchaser all drawings, specifications, and other documents prepared by the Supplier or its Subcontractors as of the date of termination in connection with the System.

41.3.4 If the Contract is terminated under GCC Clauses 41.3.1 or 41.3.2, the Purchaser shall pay to the Supplier all payments specified in GCC Clause 41.1.3 and reasonable compensation for all loss, except for

loss of profit, or damage sustained by the Supplier arising out of, in connection with, or in consequence of such termination.

41.3.5 Termination by the Supplier pursuant to this GCC Clause 41.3 is without prejudice to any other rights or remedies of the Supplier that may be exercised in lieu of or in addition to rights conferred by GCC Clause 41.3.

41.4 In this GCC Clause 41, the expression “portion of the System executed” shall include all work executed, Services provided, and all Information Technologies, or other Goods acquired (or subject to a legally binding obligation to purchase) by the Supplier and used or intended to be used for the purpose of the System, up to and including the date of termination.

41.5 In this GCC Clause 41, in calculating any monies due from the Purchaser to the Supplier, account shall be taken of any sum previously paid by the Purchaser to the Supplier under the Contract, including any advance payment paid **pursuant to the SCC**.

42. Assignment

42.1 Neither the Purchaser nor the Supplier shall, without the express prior written consent of the other, assign to any third party the Contract or any part thereof, or any right, benefit, obligation, or interest therein or thereunder, except that the Supplier shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract.

I. SETTLEMENT OF DISPUTES

43. Settlement of Disputes

43.1 Adjudication

43.1.1 If any dispute of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity, or termination, or the operation of the System (whether during the progress of implementation or after its achieving Operational Acceptance and whether before or after the termination, abandonment, or breach of the Contract), the parties shall seek to resolve any such dispute by mutual consultation. If

the parties fail to resolve such a dispute by mutual consultation within fourteen (14) days after one party has notified the other in writing of the dispute, then, if the Contract Agreement in Appendix 2 includes and names an Adjudicator, the dispute shall, within another fourteen (14) days, be referred in writing by either party to the Adjudicator, with a copy to the other party. If there is no Adjudicator specified in the Contract Agreement, the mutual consultation period stated above shall last twenty-eight (28) days (instead of fourteen), upon expiry of which either party may move to the notification of arbitration pursuant to GCC Clause 43.2.1.

- 43.1.2 The Adjudicator shall give his or her decision in writing to both parties within twenty-eight (28) days of the dispute being referred to the Adjudicator. If the Adjudicator has done so, and no notice of intention to commence arbitration has been given by either the Purchaser or the Supplier within fifty-six (56) days of such reference, the decision shall become final and binding upon the Purchaser and the Supplier. Any decision that has become final and binding shall be implemented by the parties forthwith.
- 43.1.3 The Adjudicator shall be paid an hourly fee at the rate specified in the Contract Agreement plus reasonable expenditures incurred in the execution of duties as Adjudicator, and these costs shall be divided equally between the Purchaser and the Supplier.
- 43.1.4 Should the Adjudicator resign or die, or should the Purchaser and the Supplier agree that the Adjudicator is not fulfilling his or her functions in accordance with the provisions of the Contract, a new Adjudicator shall be jointly appointed by the Purchaser and the Supplier. Failing agreement between the two within twenty-eight (28) days, the new Adjudicator shall be appointed at the request of either party by the Appointing Authority **specified in the SCC**, or, if no Appointing Authority is **specified in SCC**, the Contract shall, from this point onward and until the parties may otherwise agree on an Adjudicator or an Appointing Authority, be implemented as if there is no Adjudicator.

43.2 Arbitration

43.2.1 If

- (a) the Purchaser or the Supplier is dissatisfied with the Adjudicator's decision and acts before this decision has become final and binding pursuant to GCC Clause 43.1.2, or
- (b) the Adjudicator fails to give a decision within the allotted time from referral of the dispute pursuant to GCC Clause 43.1.2, and the Purchaser or the Supplier acts within the following fourteen (14) days, or
- (c) in the absence of an Adjudicator from the Contract Agreement, the mutual consultation pursuant to GCC Clause 43.1.1 expires without resolution of the dispute and the Purchaser or the Supplier acts within the following fourteen (14) days,

then either the Purchaser or the Supplier may act to give notice to the other party, with a copy for information to the Adjudicator in case an Adjudicator had been involved, of its intention to commence arbitration, as provided below, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

43.2.2 Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with GCC Clause 43.2.1, shall be finally settled by arbitration. Arbitration may be commenced prior to or after Installation of the Information System.

43.2.3 Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.

43.3 Notwithstanding any reference to the Adjudicator or arbitration in this clause,

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

APPENDIX 1

Fraud and Corruption

(Text in this Appendix shall not be modified)

1. Purpose

1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements

2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders (applicants/proposers), consultants, contractors and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

2.2 To this end, the Bank:

- a. Defines, for the purposes of this provision, 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:
 - (a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation 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
 - (b) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 2.2 e. below.

- b. Rejects a proposal for award if the Bank determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, 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;
- c. In addition to the legal remedies set out in the relevant Legal Agreement, may take other appropriate actions, including declaring misprocurement, if the Bank determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement process, selection and/or execution of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- d. Pursuant to the Bank's Anti-Corruption Guidelines, and in accordance with the Bank's prevailing sanctions policies and procedures, may sanction a firm or individual, either indefinitely or for a stated period of time, including by publicly declaring such firm or individual ineligible (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;¹ (ii) to be a nominated² sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project;
- e. Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (i) bidders (applicants/proposers), consultants, contractors, and suppliers, and their sub-contractors, sub-consultants, service providers, suppliers, agents personnel, permit the Bank to inspect³ all accounts,

¹ For the avoidance of doubt, a sanctioned party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and bidding, 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 A nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider (different names are used depending on the particular bidding document) is one which has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

³ Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Bank or persons appointed by the Bank 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.

records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the Bank.

APPENDIX 2

Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance Declaration for Subcontractors

[The following table shall be filled in by each subcontractor proposed by the Supplier, that was not named in the Contract]

Subcontractor's Name: *[insert full name]*

Date: *[insert day, month, year]*

Contract reference *[insert contract reference]*

Page *[insert page number]* of *[insert total number]* pages

SEA and/or SH Declaration
<p>We:</p> <p><input type="checkbox"/> (a) have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.</p> <p><input type="checkbox"/> (b) are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.</p> <p><input type="checkbox"/> (c) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations, and were removed from the disqualification list. An arbitral award on the disqualification case has been made in our favor.</p>
<p><i>[If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]</i></p>
<p>Period of disqualification: From: _____ To: _____</p>

Name of the Subcontractor_____

Name of the person duly authorized to sign on behalf of the Subcontractor_____

Title of the person signing on behalf of the Subcontractor_____

Signature of the person named above_____

Date signed _____ day of _____, _____

Countersignature of authorized representative of the Supplier:

Signature: _____

Date signed _____ day of _____, _____

SECTION IX - SPECIAL CONDITIONS OF CONTRACT

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Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions of the SCC shall prevail over those in the General Conditions of Contract. For the purposes of clarity, any referenced GCC clause numbers are indicated in the left column of the SCC.

A. CONTRACT AND INTERPRETATION

Definitions (GCC Clause 1)

GCC 1.1 (a) (ix)	The applicable edition of the Procurement Regulation is dated: <i>[insert: the date(s) of the edition specified in the Loan Agreement governing the Project or, if the loan/credit has not been approved, insert: the date of latest edition]</i> .
GCC 1.1 (b) (i)	The Purchaser is: Water Resources Authority
GCC 1.1 (b) (ii)	The Project Manager is: Smart People Africa (SPA) . GCC
GCC 1.1 (e) (i)	The Purchaser's Country is: The Republic of Kenya .
GCC 1.1 (e) (xiii)	The Post-Warranty Services Period is 24months starting with the completion of the Warranty Period.

Notices (GCC Clause 4)

GCC 4.3	Address of the Project Manager: Smart People Africa Fallback address of the Purchaser: Chief Executive Officer Water Resources Authority P.O Box 45250-00100 Nairobi, Kenya Telephone: +254 2732291, +254 2729048/9 procurement@wra.go.ke / info@wra.go.ke
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B. SUBJECT MATTER OF CONTRACT

Scope of the System (GCC Clause 7)

GCC 7.3	<p>The Supplier's obligations under the Contract will include the following recurrent cost items, as identified in the Recurrent Cost tables in the Supplier's Bid:</p> <p><i>[specify: the recurrent cost items/services that are included in the Contract; also provide cross reference to the place in the Technical Requirements where each item/service is specified in detail.]</i></p> <p>[Note: <i>The requirements in terms of recurrent cost items should be defined here, reflected in the Recurrent Cost Table for the Warranty period, and elaborated in the Technical Requirements. See also notes to SCC Clause 29.4 regarding services that are not typically included in commercial warranties.</i></p> <p><i>If the Purchaser expects that wear and tear on System components will necessitate routine replacement of such components, and if Purchaser technical staff will perform these repair and replacement tasks, the Purchaser may wish to consider adding the following clause to the SCC that obligates the Supplier to stock and/or provide certain spare parts.</i></p> <p><i>] The Supplier agrees to supply spare parts required for the operation and maintenance of the System, as stated below, for <i>[insert: number of years]</i> years beginning with Operational Acceptance. Moreover, the price of such spare parts shall be those specified in the spare parts price schedule submitted by the Supplier as part of its Bid. These prices shall include the purchase price for such spare parts and other costs and expenses (including the Supplier's fees) relating to the supply of spare parts.</i></p> <p><i>[list the spare parts needs, or reference the line items in the Spare Parts Price Schedule in the Supplier's Bid, if the Supplier is the source of the identity of the spares, i.e., reflecting its own understanding of its own technologies.]</i></p> <p>[Note: <i>The need to ensure the availability of spare parts sources, above and beyond those the Supplier would routinely and implicitly need to perform under its defect liability and/or maintenance responsibilities, generally is not a major issue for the Information Technologies available in the market today. A System is likely to become obsolete long before it begins to develop physical defects.]</i></p>
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Time for Commencement and Operational Acceptance (GCC Clause 8)

GCC 8.1	The Supplier shall commence work on the System within: 15 days from the Effective Date of the Contract.
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Supplier's Responsibilities (GCC Clause 9)

GCC 9.1	health and safety manual is required
GCC 9.8	<p>The following sustainable procurement contractual provisions, apply: <i>[specify: sustainable procurement contractual provisions or state: "none".]</i></p> <p><i>[Note: Refer to the World Bank Procurement Regulations for IPF Borrowers and the sustainable procurement guidance.]</i></p>
GCC 9.18	The Supplier is required to make security arrangements for the Project Site/s.

C. PAYMENT

Contract Price (GCC Clause 11)

GCC 11.2	Adjustments to the Contract Price shall be as follows: not applicable
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Terms of Payment (GCC Clause 12)

GCC 12.1	<p>Subject to the provisions of GCC Clause 12 (Terms of Payment), the Purchaser shall pay the Contract Price to the Supplier according to the categories and in the manner specified below. Only the categories Advance Payment and Complete System Integration relate to the entire Contract Price. In other payment categories, the term "total Contract Price" means the total cost of goods or services under the specific payment category. Within each such category, the Contract Implementation Schedule may trigger pro-rata payments for the portion of the total Contract Price for the category corresponding to the goods or services actually Delivered, Installed, or Operationally Accepted, at unit prices and in the currencies specified in the Price Schedules of the Contract Agreement.</p> <p>(a) Advance Payment</p> <p>ten percent (10%) of the entire Contract Price, exclusive of all Recurrent Costs, shall be paid against receipt of a claim</p>
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	accompanied by the Advance Payment Security specified in GCC Clause 13.2.
	<p><i>[Note: The advance payment may be higher than 10% in cases where Supplier's mobilization costs (i.e., costs between Contract effectiveness and the first scheduled Contract payment) are likely to be much larger than the advance payment, resulting in substantial negative cash flow for the Supplier. This happens primarily in projects where the Supplier must acquire expensive highly-specialized equipment to customize and configure a solution system prior to the first scheduled payment milestone. In these cases, the entire schedule of payments below obviously needs to be adjusted accordingly.]</i></p>
(b)	<p>Information Technologies, Materials, and other Goods, with the exception of Custom Software and Custom Materials:</p> <p style="margin-left: 40px;">sixty percent (60%) of the total or pro-rata Contract Price for this category against Delivery</p> <p style="margin-left: 40px;">ten percent (10%) of the same price against Installation</p> <p style="margin-left: 40px;">ten percent (10%) of the same price against Operational Acceptance.</p>
(c)	<p>Custom Software and Custom Materials:</p> <p style="margin-left: 40px;">sixty percent (60%) of the total or pro-rata Contract Price for this category against Installation</p> <p style="margin-left: 40px;">twenty percent (20%) of the same price against Operational Acceptance.</p>
	<p><i>[Note: Large custom software development or system integration contracts (e.g., those taking longer than six months from Contract Effectiveness to Operational Acceptance of the Application Software subsystem) are usually paid in increments against Purchaser's acceptance of major intermediate deliverables defined in the implementation schedule as key milestones (e.g. a sequence of major system design documents, such as: software requirements specifications, software design document, development of a prototype for a major subsystem, delivery of a pilot implementation of the software for a subsystem or the entire system, etc.). In those cases, the above payment terms should be modified accordingly and refer to the milestones in the Implementation Schedule. The payment terms should allow the Supplier an adequate cash flow vis-à-vis the steps need to achieve an operational Information System.]</i></p>
(d)	Services other than Training:

	<p>eighty percent (80%) of the pro-rata Contract Price for services performed will be paid monthly in arrears, on submission and Purchaser's approval of invoices:</p> <p>[Note: <i>Some Contracts may involve considerable "Services other than Training" (and services other than software customization). For instance, there could be the digitization of maps using the procured Geographical Information System (GIS), or the scanning, indexing and conversion of paper documents, or the conversion or migration of existing electronic data sets. In these cases, payment may be keyed to acceptance of intermediate deliverables or completion of service delivery phases defined in the project implementation schedule, rather than merely to the passage of time, as illustrated. In designing this type of payment terms, the Purchaser has an obligation to balance and ensure consistency between its own interest to pay only against value received, the supplier's need for a reasonable cash flow, the design of the project implementation schedule, the specification of service milestones and even the process for acceptance testing of intermediate deliverables (when milestones completion would be subject to such testing).]</i></p> <p>(e) Training</p> <p>thirty percent (30%) of the total Contract Price for training services at the start of the full training program</p> <p>fifty percent (50%) of the pro-rata Contract Price for training services performed will be paid monthly in arrears, on submission and approval of appropriate invoices.</p> <p>(f) Complete System Integration</p> <p>ten percent (10%) of the entire Contract Price, exclusive of all Recurrent Costs, as final payment against Operational Acceptance of the System as an integrated whole.</p> <p>(g) Recurrent Costs</p> <p>one hundred percent (100%) of the price of the services actually delivered will be paid quarterly in arrears, on submission and Purchaser's approval of invoices.</p> <p>[Note: <i>If a separate Operational Acceptance for the System as an integrated whole is not required, increase by 10% points the final payment percentages of all other goods and services above.</i>]</p>
GCC 12.3	The Purchaser shall pay to the Supplier interest on the delayed payments at a rate of: <i>[insert: number (X) followed by "percent" or "%"]</i> per annum.

GCC 12.4	The Supplier will invoice the Purchaser in the currency used in the Contract Agreement and the Price Schedules it refers to, for Goods and Services supplied locally, and the conversion between this currency and KES (<i>Kenya Shillings</i>) for payment purposes - in case the two currencies are different - will be made as of the actual payment date using the exchange rate found in <i>Central Bank of Kenya</i> .
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Securities (GCC Clause 13)

GCC 13.3.1	The Performance Security shall be denominated in KES (Kenya Shillings) for an amount equal to 10 percent of the Contract Price, excluding any Recurrent Costs.
GCC 13.3.4	During the Warranty Period (i.e., after Operational Acceptance of the System), the Performance Security shall be reduced to 2.5 percent of the Contract Price, excluding any Recurrent Costs.

E. SUPPLY, INSTALLATION, TESTING, COMMISSIONING, AND ACCEPTANCE OF THE SYSTEM

Project Plan (GCC Clause 19)

GCC 19.1	<p>Chapters in the Project Plan shall address the following subject:</p> <ul style="list-style-type: none"> (a) <i>Project Organization and Management Sub-Plan, including management authorities, responsibilities, and contacts, as well as task, time and resource-bound schedules (in GANTT format);</i> (b) <i>Implementation Sub-Plan;</i> (c) <i>Training Sub-Plan;</i> (d) <i>Testing and Quality Assurance Sub-Plan;</i> (e) <i>Warranty Defect Repair and Technical Support Service Sub-Plan</i> <p>Further details regarding the required contents of each of the above chapters are contained in the Technical Requirements.</p>
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GCC 19.6	<p><i>The Supplier shall submit to the Purchaser:</i></p> <ul style="list-style-type: none"> <i>(i) monthly inspection and quality assurance reports</i> <i>(ii) monthly training participants test results</i> <i>(iii) monthly log of service calls and problem resolutions</i>
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G. RISK DISTRIBUTION

Insurances (GCC Clause 37)

GCC 37.1 (c)	<p>The Supplier shall obtain Third-Party Liability Insurance in the amount of [insert: <i>monetary value</i>] with deductible limits of no more than [insert: <i>monetary value</i>]. The insured Parties shall be [list <i>insured parties</i>]. The Insurance shall cover the period from [insert: <i>beginning date, relative to the Effective Date of the Contract</i>] until [insert: <i>expiration date, relative to the Effective Date of the Contract or its completion</i>].</p>
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H. CHANGE IN CONTRACT ELEMENTS

Changes to the System (GCC Clause 39)

GCC 39.4	<p>Value Engineering</p> <p>The Purchaser <i>will not</i> consider a Value Engineering Proposal.</p>
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I. SETTLEMENT OF DISPUTES

Settlement of Disputes (GCC Clause 43)

GCC 43.1.4	<p>The Adjudicator proposed by the Employer is: <i>Chartered Institute of Arbitrators of Kenya</i>. The hourly fee for this proposed Adjudicator shall be: <i>Architect Julius Muthui Mutunga FCIArb. The hourly fee for this proposed Adjudicator shall be: KES 25,000.00</i></p> <p>The biographical data of the proposed Adjudicator is as follows: <i>Holder of Bachelor's Degree in Architecture, Registered with Board of</i></p>
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	<i>Registration of Architects and Quantity Surveyors and a Fellow Member of the Chartered Institute of Arbitrators (FCIArb).</i>
GCC 43.2.3	<p>If the Supplier is from outside the Purchaser's Country arbitration proceedings shall be conducted in accordance with the rules of arbitration of <i>[select one of the following: UNCITRAL / the International Chamber of Commerce (ICC) / the Arbitration Institute of the Stockholm Chamber of Commerce / the London Court of International Arbitration]</i>. These rules, in the version in force at the time of the request for arbitration, will be deemed to form part of this Contract.</p> <p>If the Supplier is a national of the Purchaser's Country, any dispute between the Purchaser and a Supplier arising in connection with the present Contract shall be referred to arbitration in accordance with the laws of the Purchaser's country.</p>

SECTION X - CONTRACT FORMS

Notes to the Purchaser on preparing the Contract Forms

Performance Security: Pursuant to GCC Clause 13.3, the successful Bidder is required to provide the Performance Security within twenty-eight (28) days of notification of Contract award.

Advance Payment Security: Pursuant to Clause 13.2, the successful Bidder is required to provide a bank guarantee securing the Advance Payment, if the SCC related to GCC Clause 12.1 provides for an Advance Payment.

Installation and Operational Acceptance Certificates: Recommended formats for these certificates are included in this SPD. Unless the Purchaser has good reason to require procedures that differ from those recommended, or to require different wording in the certificates, the procedures and forms shall be included unchanged. If the Purchaser wishes to amend the recommended procedures and/or certificates, it may propose alternatives for the approval of the World Bank before release of the bidding document to potential Bidders.

Change Order Procedures and Forms: Similar to the Installation and Operational Acceptance Certificates, the Change Estimate Proposal, Estimate Acceptance, Change Proposal, Change Order, and related Forms should be included in the bidding document unaltered. If the Purchaser wishes to amend the recommended procedures and/or certificates, it may propose alternatives for the approval of the World Bank before release of the bidding document.

Notes to Bidders on working with the Sample Contractual Forms

The following forms are to be completed and submitted by the successful Bidder following receipt of the Letter of Acceptance from the Purchaser: (i) Contract Agreement, with all Appendices; (ii) Performance Security; and (iii) Advance Payment Security.

- **Contract Agreement:** In addition to specifying the parties and the Contract Price, the Contract Agreement is where the: (i) Supplier Representative; (ii) if applicable, agreed Adjudicator and his/her compensation; and (iii) the List of Approved Subcontractors are specified. In addition, modifications to the successful Bidder's Bid Price Schedules are attached to the Agreement. These contain corrections and adjustments to the Supplier's bid prices to correct errors, adjust the Contract Price to reflect – if applicable - any extensions to bid validity beyond the last day of original bid validity plus 56 days, etc.
- **Performance Security:** Pursuant to GCC Clause 13.3, the successful Bidder is required to provide the Performance Security in the form contained in this

section of these bidding documents and in the amount specified in accordance with the SCC.

- Advance Payment Security: Pursuant to GCC Clause 13.2, the successful Bidder is required to provide a bank guarantee for the full amount of the Advance Payment - if an Advance Payment is specified in the SCC for GCC Clause 12.1 - in the form contained in this section of these bidding documents or another form acceptable to the Purchaser. If a Bidder wishes to propose a different Advance Payment Security form, it should submit a copy to the Purchaser promptly for review and confirmation of acceptability before the bid submission deadline.

The Purchaser and Supplier will use the following additional forms during Contract implementation to formalize or certify important Contract events: (i) the Installation and Operational Acceptance Certificates; and (ii) the various Change Order forms. These and the procedures for their use during performance of the Contract are included in the bidding documents for the information of Bidders.

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NOTIFICATION OF INTENTION TO AWARD

[This Notification of Intention to Award shall be sent to each Bidder that submitted a Bid.]

[Send this Notification to the Bidder's Authorized Representative named in the Bidder Information Form]

For the attention of Bidder's Authorized Representative

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

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

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

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

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

DATE OF TRANSMISSION: This Notification is sent by: *[specify email / fax]* on *[specify date]* (local time)

Notification of Intention to Award

Purchaser: *[insert the name of the Purchaser]*

Project: *[insert name of project]*

Contract title: *[insert the name of the contract]*

Country: *[insert country where RFB is issued]*

Loan No. /Credit No. / Grant No.: *[insert reference number for loan/credit/grant]*

RFB No: *[insert RFB 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:

- a) request a debriefing in relation to the evaluation of your Bid, and/or
- b) submit a Procurement-related Complaint in relation to the decision to award the contract.

1. The successful Bidder

Name:	[insert name of successful Bidder]
Address:	[insert address of the successful Bidder]
Contract price:	[insert contract price of the successful Bidder]
Total combined score:	[insert the total combined score of the successful Bidder]

2. Other Bidders *[INSTRUCTIONS: insert names of all Bidders that submitted a Bid. If the Bid's price was evaluated include the evaluated price as well as the Bid price as read out.]*

Name of Bidder	Technical Score (If applicable)	Bid price	Evaluated Bid Cost	Combined Score (if applicable)
[insert name]	[insert Technical score]	[insert Bid price]	[insert evaluated cost]	[insert combined score]
[insert name]	[insert Technical score]	[insert Bid price]	[insert evaluated cost]	[insert combined score]
[insert name]	[insert Technical score]	[insert Bid price]	[insert evaluated cost]	[insert combined score]

3. Reason/s why your Bid was unsuccessful *[Delete if the combined score already reveals the reason]*

[INSTRUCTIONS: State the reason/s why this Bidder's Bid was unsuccessful. Do NOT include: (a) a point by point comparison with another Bidder's Bid or (b) information that is marked confidential by the Bidder in its Bid.]

4. How to request a debriefing

DEADLINE: The deadline to request a debriefing expires at midnight on [insert date] (local time).

You may request a debriefing in relation to the results of the evaluation of your Bid. If you decide to request a debriefing your written request must be made within three (3) Business Days of receipt of this Notification of Intention to Award.

Provide the contract name, reference number, name of the Bidder, contact details; and address the request for debriefing as follows:

Attention: [insert full name of person, if applicable]

Title/position: [insert title/position]

Agency: [insert name of Purchaser]

Email address: [insert email address]

Fax number: [insert fax number or state “not applicable”]

If your request for a debriefing is received within the 3 Business Days deadline, we will provide the debriefing within five (5) 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 (5) Business 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.

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.

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) Business Days from the date of publication of the Contract Award Notice.

5. How to make a complaint

DEADLINE: The deadline for submitting a Procurement-related Complaint challenging the decision to award the contract expires on midnight, [insert date] (local time).

Provide the contract name, reference number, name of the Bidder, contact details; and address the Procurement-related Complaint as follows:

Attention: [insert full name of person, if applicable]

Title/position: [insert title/position]

Agency: [insert name of Purchaser]

Email address: [insert email address]

Fax number: [insert fax number or state “not applicable”]

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.

For more information see the “[Procurement Regulations for IPF Borrowers \(Procurement Regulations\)](#) (Annex III).” You should read these provisions before preparing and submitting your complaint. In addition, the World Bank’s Guidance “[How to make a Procurement-related Complaint](#)” provides a useful explanation of the process, as well as a sample letter of complaint.

In summary, there are four essential requirements:

1. You must be an ‘interested party’. In this case, that means a Bidder who submitted a Bid in this procurement, and is the recipient of a Notification of Intention to Award.
2. The complaint can only challenge the decision to award the contract.
3. You must submit the complaint within the deadline stated above.
4. You must include, in your complaint, all of the information required by the Procurement Regulations (as described in Annex III).

6. Standstill Period

DEADLINE: The Standstill Period is due to end at midnight on *[insert date]* (local time).

The Standstill Period lasts ten (10) Business Days after the date of transmission of this Notification of Intention to Award.

The Standstill Period may be extended. This may happen where we are unable to provide a debriefing within the five (5) Business Day deadline. If this happens we will notify you of the extension.

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

On behalf of the Purchaser:

Signature: _____

Title/position: *[insert title/position]*

Agency: *[insert name of Purchaser]*

Email address: *[insert email address]*

Telephone number: *[insert telephone number]*

BENEFICIAL OWNERSHIP DISCLOSURE FORM

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

This Beneficial Ownership Disclosure Form (“Form”) is to be completed by the successful Bidder. In case of joint venture, the Bidder 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 Bidder is any natural person who ultimately owns or controls the Bidder by meeting one or more of the following conditions:

- *directly or indirectly holding 25% or more of the shares*
- *directly or indirectly holding 25% or more of the voting rights*
- *directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Bidder*

RFB No.: *[insert number of RFB process]*

Request for Bid No.: *[insert identification]*

To: *[insert complete name of Purchaser]*

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

(i) we hereby provide the following beneficial ownership information.

Details of beneficial ownership

Identity of Beneficial Owner	Directly or indirectly holding 25% or more of the shares (Yes / No)	Directly or indirectly holding 25 % or more of the Voting Rights (Yes / No)	Directly or indirectly having the right to appoint a majority of the board of the directors or an equivalent governing body of the Bidder (Yes / No)
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<i>[include full name (last, middle, first), nationality, country of residence]</i>			
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OR

(ii) *We declare that there is no Beneficial Owner meeting one or more of the following conditions:*

- directly or indirectly holding 25% or more of the shares
- directly or indirectly holding 25% or more of the voting rights
- directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Bidder

OR

(iii) *We declare that we are unable to identify any Beneficial Owner meeting one or more of the following conditions. [If this option is selected, the Bidder shall provide explanation on why it is unable to identify any Beneficial Owner]*

- directly or indirectly holding 25% or more of the shares
- directly or indirectly holding 25% or more of the voting rights
- directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Bidder”

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

Name of the person duly authorized to sign the Bid on behalf of the Bidder: **/*insert complete name of person duly authorized to sign the Bid*

Title of the person signing the Bid: [*insert complete title of the person signing the Bid*]

Signature of the person named above: _____

Date signed [*insert ordinal number*] day of [*insert month*], [*insert year*]

* In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder. In the event that the Bidder is a joint venture, each reference to “Bidder” in the Beneficial Ownership Disclosure Form (including this Introduction thereto) shall be read to refer to the joint venture member.

** Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

LETTER OF ACCEPTANCE

Purchaser: *[insert the name of the Purchaser]*

Project: *[insert name of project]*

Contract title: *[insert the name of the contract]*

Country: *[insert country where RFB is issued]*

Loan No. /Credit No. / Grant No.: *[insert reference number for loan/credit/grant]*

RFB No: *[insert RFB reference number from Procurement Plan]*

Date: *[insert Date]*

To: *[insert Name of Bidder]*

This is to notify you that your Bid dated *[insert Date]* for execution of the *[insert brief description of the Information System]* for the Contract Price in the aggregate of *[insert amount in figures]* (*[insert amount in words]*), as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are requested to furnish (i) the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose one of the Performance Security Forms and (ii) the additional information on beneficial ownership in accordance with BDS ITB 47.1 within eight (8) Business days using the Beneficial Ownership Disclosure Form, included in Section X, - Contract Forms, of the Bidding Document.

Authorized Signature: _____

Name and Title of Signatory: *[insert Name and Title]*

Name of Agency: *[insert Purchaser Name]*

Attachment: Contract Agreement

1. CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT is made

the [insert: *ordinal number*] day of [insert: *month*], [insert: *year*].

BETWEEN

- (1) [insert: *Name of Purchaser*], a [insert: *description of type of legal entity, for example, an agency of the Ministry of...*] of the Government of [insert: *country of Purchaser*], or corporation incorporated under the laws of [insert: *country of Purchaser*] and having its principal place of business at [insert: *address of Purchaser*] (hereinafter called “the Purchaser”), 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”).

WHEREAS the Purchaser desires to engage the Supplier to supply, install, achieve Operational Acceptance of, and support the following Information System [insert: *brief description of the Information System*] (“the System”), and the Supplier has agreed to such engagement upon and subject to the terms and conditions appearing below in this Contract Agreement.

NOW IT IS HEREBY AGREED as follows:

Article 1.	1.1 Contract Documents (Reference GCC Clause 1.1 (a) (ii))
Contract Documents	<p>The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:</p> <ul style="list-style-type: none">(a) This Contract Agreement and the Appendices attached to the Contract Agreement(b) Special Conditions of Contract(c) General Conditions of Contract(d) Technical Requirements (including Implementation Schedule)(e) The Supplier’s bid and original Price Schedules(f) Code of Conduct for Supplier’s Personnel

(g) [Add here: **any other documents**]

1.2 Order of Precedence (Reference GCC Clause 2)

In the event of any ambiguity or conflict between the Contract Documents listed above, the order of precedence shall be the order in which the Contract Documents are listed in Article 1.1 (Contract Documents) above, provided that Appendix 7 shall prevail over all provisions of the Contract Agreement and the other Appendices attached to the Contract Agreement and all the other Contract Documents listed in Article 1.1 above.

1.3 Definitions (Reference GCC Clause 1)

Capitalized words and phrases used in this Contract Agreement shall have the same meanings as are ascribed to them in the General Conditions of Contract.

Article 2.

Contract Price and Terms of Payment

The Purchaser hereby agrees to pay to the Supplier the Contract Price in consideration of the performance by the Supplier of its obligations under the Contract. The Contract Price shall be the aggregate of: [insert: **amount of foreign currency A in words**], [insert: **amount in figures**], plus [insert: **amount of foreign currency B in words**], [insert: **amount in figures**], plus [insert: **amount of foreign currency C in words**], [insert: **amount in figures**], [insert: **amount of local currency in words**], [insert: **amount in figures**], as specified in the Grand Summary Price Schedule.

The Contract Price shall be understood to reflect the terms and conditions used in the specification of prices in the detailed price schedules, including the terms and conditions of the associated Incoterms, and the taxes, duties and related levies if and as identified.

Article 3.

Effective Date for Determining Time for Operational Acceptance

3.1 Effective Date (Reference GCC Clause 1.1 (e) (ix))

The time allowed for supply, installation, and achieving Operational Acceptance of the System shall be determined from the date when all of the following conditions have been fulfilled:

- (a) This Contract Agreement has been duly executed for and on behalf of the Purchaser and the Supplier;
- (b) The Supplier has submitted to the Purchaser the performance security and the advance payment security, in accordance with GCC Clause 13.2 and GCC Clause 13.3;
- (c) The Purchaser has paid the Supplier the advance payment, in accordance with GCC Clause 12;

Each party shall use its best efforts to fulfill the above conditions for which it is responsible as soon as practicable.

3.2 If the conditions listed under 3.1 are not fulfilled within two (2) months from the date of this Contract Agreement because of reasons not attributable to the Supplier, the parties shall discuss and agree on an equitable adjustment to the Contract Price and the Time for Achieving Operational Acceptance and/or other relevant conditions of the Contract.

Article 4.

4.1 The Appendixes listed below shall be deemed to form an integral part of this Contract Agreement.

Appendixes

4.2 Reference in the Contract to any Appendix shall mean the Appendixes listed below and attached to this Contract Agreement, and the Contract shall be read and construed accordingly.

APPENDIXES

- Appendix 1. Supplier's Representative
- Appendix 2. Adjudicator *[if there is no Adjudicator, state “not applicable”]*
- Appendix 3. List of Approved Subcontractors
- Appendix 4. Categories of Software
- Appendix 5. Custom Materials
- Appendix 6. Revised Price Schedules (if any)
- Appendix 7. Minutes of Contract Finalization Discussions and Agreed-to Contract Amendments

IN WITNESS WHEREOF the Purchaser and the Supplier have caused this Agreement to be duly executed by their duly authorized representatives the day and year first above written.

For and on behalf of the Purchaser

Signed:

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

in the presence of

For and on behalf of the Supplier

Signed:

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

in the presence of

CONTRACT AGREEMENT

dated the [*insert: number*] day of [*insert: month*], [*insert: year*]

BETWEEN

[*insert: name of Purchaser*], “the Purchaser”

and

[*insert: name of Supplier*], “the Supplier”

Appendix 1. Supplier's Representative

In accordance with GCC Clause 1.1 (b) (iv), the Supplier's Representative is:

Name: *[insert: name and provide title and address further below, or state "to be nominated within fourteen (14) days of the Effective Date"]*

Title: *[if appropriate, insert: title]*

In accordance with GCC Clause 4.3, the Supplier's addresses for notices under the Contract are:

Address of the Supplier's Representative: *[as appropriate, insert: personal delivery, postal, cable, facsimile, electronic mail, and/or EDI addresses.]*

Fallback address of the Supplier: *[as appropriate, insert: personal delivery, postal, cable, facsimile, electronic mail, and/or EDI addresses.]*

Appendix 2. Adjudicator

In accordance with GCC Clause 1.1 (b) (vi), the agreed-upon Adjudicator is:

Name: *[insert: name]*

Title: *[insert: title]*

Address: *[insert: postal address]*

Telephone: *[insert: telephone]*

In accordance with GCC Clause 43.1.3, the agreed-upon fees and reimbursable expenses are:

Hourly Fees: *[insert: hourly fees]*

Reimbursable Expenses: *[list: reimbursables]*

Pursuant to GCC Clause 43.1.4, if at the time of Contract signing, agreement has not been reached between the Purchaser and the Supplier, an Adjudicator will be appointed by the Appointing Authority named in the SCC.

Appendix 3. List of Approved Subcontractors

The Purchaser has approved use of the following Subcontractors nominated by the Supplier for carrying out the item or component of the System indicated. Where more than one Subcontractor is listed, the Supplier is free to choose between them, but it must notify the Purchaser of its choice sufficiently in advance of the time when the subcontracted work needs to commence to give the Purchaser reasonable time for review. In accordance with GCC Clause 20.1, the Supplier is free to submit proposals for Subcontractors for additional items from time to time. No subcontracts shall be placed with any such Subcontractors for additional items until the Subcontractors have been approved in writing by the Purchaser and their names have been added to this list of Approved Subcontractors, subject to GCC Clause 20.3.

[specify: item, approved Subcontractors, and their place of registration that the Supplier proposed in the corresponding attachment to its bid and that the Purchaser approves that the Supplier engage during the performance of the Contract. Add additional pages as necessary.]

Appendix 4. Categories of Software

The following table assigns each item of Software supplied and installed under the Contract to one of the three categories: (i) System Software, (ii) General-Purpose Software, or (iii) Application Software; and to one of the two categories: (i) Standard Software or (ii) Custom Software and to one of the two categories: (i) Proprietary or (ii) Open Source.

Title	(select one per title)			(select one per title)		(select one per title)	
	System	General-Purpose	Application	Standard	Custom	Proprietary	Open Source
[insert Title]							
[insert Title]							
[insert Title]							
[insert Title]							
[insert Title]							
[insert Title]							

Appendix 5. Custom Materials

The follow table specifies the Custom Materials the Supplier will provide under the Contract.

Custom Materials
<i>[insert Title and description]</i>

Appendix 6. Revised Price Schedules

The attached Revised Price Schedules (if any) shall form part of this Contract Agreement and, where differences exist, shall supersede the Price Schedules contained in the Supplier's Bid. These Revised Price Schedules reflect any corrections or adjustments to the Supplier's bid price, pursuant to the ITB Clauses 30.3 and 38.2.

Appendix 7. Minutes of Contract Finalization Discussions and Agreed-to Contract Amendments

The attached Contract amendments (if any) shall form part of this Contract Agreement and, where differences exist, shall supersede the relevant clauses in the GCC, SCC, Technical Requirements, or other parts of this Contract as defined in GCC Clause 1.1 (a) (ii).

2. PERFORMANCE AND ADVANCE PAYMENT SECURITY FORMS

2.1 Performance Security Form (Bank Guarantee) (Bank Guarantee)

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

[Guarantor letterhead or SWIFT identifier code]

[insert: Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: *[insert: Name and Address of Purchaser]*

Date: *[insert: date]*

PERFORMANCE GUARANTEE No.: *[insert: Performance Guarantee Number]*

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

We have been informed that on *[insert: date of award]* you awarded Contract No. *[insert: Contract number]* for *[insert: title and/or brief description of the Contract]* (hereinafter called "the Contract") to *[insert: complete name of Supplier which in the case of a joint venture shall be in the name of the joint venture]* (hereinafter called "the Applicant"). Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Applicant, we as Guarantor hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert: amount(s)¹ in figures and words]* such sum being payable in the types and proportions of currencies which the Contract Price is payable upon receipt by us of 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 or reasons for their demand or the sum specified therein.

On the date of your issuing, to the Supplier, the Operational Acceptance Certificate for the System, the value of this guarantee will be reduced to any sum(s) not exceeding *[insert: amount(s)¹ in figures and words]*. This remaining guarantee shall expire no later than *[insert: number and select: of months/of years (of the Warranty Period that needs to be covered by the remaining*

¹ The bank shall insert the amount(s) specified and denominated in the SCC for GCC Clauses 13.3.1 and 13.3.4 respectively, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

guarantee)] from the date of the Operational Acceptance Certificate for the System,¹ and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under 15 (a) is hereby excluded.

[Signature(s)]

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

¹ In this sample form, the formulation of this paragraph reflects the usual SCC provisions for GCC Clause 13.3. However, if the SCC for GCC Clauses 13.3.1 and 13.3.4 varies from the usual provisions, the paragraph, and possibly the previous paragraph, need to be adjusted to precisely reflect the provisions specified in the SCC.

2.2 Advance Payment Security Bank Guarantee

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[insert: Name and Address of Purchaser]*

Date: *[insert date of issue]*

ADVANCE PAYMENT GUARANTEE No.: *[insert: Advance Payment Guarantee Number]*

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

We have been informed that on *[insert: date of award]* you awarded Contract No. *[insert: Contract number]* for *[insert: title and/or brief description of the Contract]* (hereinafter called "the Contract") to *[insert: complete name of Supplier, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum of *[insert: amount in numbers and words, for each currency of the advance payment]* is to be made to the Supplier against an advance payment guarantee.

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 *[insert amount in figures]* (*[insert amount 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 toward delivery of 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.

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

¹ *The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Purchaser.*

credited to the Applicant on its account number *[insert number]* at *[insert name and address of Applicant's bank]*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, has been certified for payment, or on the *[insert day]* day of *[insert month]*, *[insert year]*, whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No.758, except that the supporting statement under Article 15(a) is hereby excluded.

[signature(s)]

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

3. INSTALLATION AND ACCEPTANCE CERTIFICATES

3. Installation and Acceptance Certificates

3.1 Installation Certificate

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name and number of Contract]*

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

Dear Sir or Madam:

Pursuant to GCC Clause 26 (Installation of the System) of the Contract entered into between yourselves and the *[insert: name of Purchaser]* (hereinafter the “Purchaser”) dated *[insert: date of Contract]*, relating to the *[insert: brief description of the Information System]*, we hereby notify you that the System (or a Subsystem or major component thereof) was deemed to have been correctly installed on the date specified below.

1. Description of the System (or relevant Subsystem or major component): *[insert: description]*
2. Date of Installation: *[insert: date]*

Notwithstanding the above, you are required to complete the outstanding items listed in the attachment to this certificate as soon as practicable. This letter shall not relieve you of your obligation to achieve Operational Acceptance of the System in accordance with the Contract nor of your obligations during the Warranty Period.

For and on behalf of the Purchaser

Signed:

Date:

in the capacity of: *[state: “Project Manager” or specify a higher level authority in the Purchaser’s organization]*

3.2 Operational Acceptance Certificate

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name of System or Subsystem and number of Contract]*

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

Dear Sir or Madam:

Pursuant to GCC Clause 27 (Commissioning and Operational Acceptance) of the Contract entered into between yourselves and the *[insert: name of Purchaser]* (hereinafter the “Purchaser”) dated *[insert: date of Contract]*, relating to the *[insert: brief description of the Information System]*, we hereby notify you the System (or the Subsystem or major component identified below) successfully completed the Operational Acceptance Tests specified in the Contract. In accordance with the terms of the Contract, the Purchaser hereby takes over the System (or the Subsystem or major component identified below), together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below.

1. Description of the System (or Subsystem or major component): *[insert: description]*
2. Date of Operational Acceptance: *[insert: date]*

This letter shall not relieve you of your remaining performance obligations under the Contract nor of your obligations during the Warranty Period.

For and on behalf of the Purchaser

Signed: _____

Date: *[insert: date]*

in the capacity of: *[state: “Project Manager” or specify a higher level authority in the Purchaser’s organization]*

4. CHANGE ORDER PROCEDURES AND FORMS

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name or System or Subsystem and number of Contract]*

General

This section provides samples of procedures and forms for carrying out changes to the System during the performance of the Contract in accordance with GCC Clause 39 (Changes to the System) of the Contract.

Change Order Log

The Supplier shall keep an up-to-date Change Order Log to show the current status of Requests for Change and Change Orders authorized or pending. Changes shall be entered regularly in the Change Order Log to ensure that the log is kept up-to-date. The Supplier shall attach a copy of the current Change Order Log in the monthly progress report to be submitted to the Purchaser.

References to Changes

- (1) Request for Change Proposals (including Application for Change Proposals) shall be serially numbered CR-nnn.
- (2) Change Estimate Proposals shall be numbered CN-nnn.
- (3) Estimate Acceptances shall be numbered CA-nnn.
- (4) Change Proposals shall be numbered CP-nnn.
- (5) Change Orders shall be numbered CO-nnn.

On all forms, the numbering shall be determined by the original CR-nnn.

Annexes

- 4.1 Request for Change Proposal Form
- 4.2 Change Estimate Proposal Form
- 4.3 Estimate Acceptance Form
- 4.4 Change Proposal Form
- 4.5 Change Order Form
- 4.6 Application for Change Proposal Form

4.1 Request for Change Proposal Form

(Purchaser's Letterhead)

Date: [insert: date]

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: [*insert: title and number of RFB*]

Contract: *[insert: name of System or Subsystem or number of Contract]*

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

Attention: [insert: **name and title**]

Dear Sir or Madam:

With reference to the above-referenced Contract, you are requested to prepare and submit a Change Proposal for the Change noted below in accordance with the following instructions within [*insert: number*] days of the date of this letter.

- (c) If you believe implementation of the requested Change will have a negative impact on the quality, operability, or integrity of the System, please provide a detailed explanation, including other approaches that might achieve the same impact as the requested Change.
- (d) You should also indicate what impact the Change will have on the number and mix of staff needed by the Supplier to perform the Contract.
- (e) You shall not proceed with the execution of work related to the requested Change until we have accepted and confirmed the impact it will have on the Contract Price and the Implementation Schedule in writing.

9. As next step, please respond using the Change Estimate Proposal form, indicating how much it will cost you to prepare a concrete Change Proposal that will describe the proposed approach for implementing the Change, all its elements, and will also address the points in paragraph 8 above pursuant to GCC Clause 39.2.1. Your Change Estimate Proposal should contain a first approximation of the proposed approach, and implications for schedule and cost, of the Change.

For and on behalf of the Purchaser

Signed:

Date:

in the capacity of: [state: **“Project Manager”** or specify a higher level authority in the Purchaser’s organization]

4.2 Change Estimate Proposal Form

(Supplier's Letterhead)

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name of System or Subsystem and number of Contract]*

To: *[insert: name of Purchaser and address]*

Attention: *[insert: name and title]*

Dear Sir or Madam:

With reference to your Request for Change Proposal, we are pleased to notify you of the approximate cost of preparing the below-referenced Change in accordance with GCC Clause 39.2.1 of the Contract. We acknowledge that your agreement to the cost of preparing the Change Proposal, in accordance with GCC Clause 39.2.2, is required before we proceed to prepare the actual Change Proposal including a detailed estimate of the cost of implementing the Change itself.

1. Title of Change: *[insert: title]*
2. Request for Change No./Rev.: *[insert: number]*
3. Brief Description of Change (including proposed implementation approach): *[insert: description]*
4. Schedule Impact of Change (initial estimate): *[insert: description]*
5. Initial Cost Estimate for Implementing the Change: *[insert: initial cost estimate]*
6. Cost for Preparation of Change Proposal: *[insert: cost in the currencies of the Contract]*, as detailed below in the breakdown of prices, rates, and quantities.

For and on behalf of the Supplier

Signed:

Date:

in the capacity of: *[state: "Supplier's Representative" or specify a other higher level authority in the Supplier's organization]*

4.3 Estimate Acceptance Form

(Purchaser's Letterhead)

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name of System or Subsystem and number of Contract]*

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

Attention: *[insert: name and title]*

Dear Sir or Madam:

We hereby accept your Change Estimate and agree that you should proceed with the preparation of a formal Change Proposal.

1. Title of Change: *[insert: title]*
2. Request for Change No./Rev.: *[insert: request number / revision]*
3. Change Estimate Proposal No./Rev.: *[insert: proposal number / revision]*
4. Estimate Acceptance No./Rev.: *[insert: estimate number / revision]*
5. Brief Description of Change: *[insert: description]*
6. Other Terms and Conditions: *[insert: other terms and conditions]*

In the event that we decide not to order the Change referenced above, you shall be entitled to compensation for the cost of preparing the Change Proposal up to the amount estimated for this purpose in the Change Estimate Proposal, in accordance with GCC Clause 39 of the General Conditions of Contract.

For and on behalf of the Purchaser

Signed:

Date:

in the capacity of: *[state: “Project Manager” or specify a higher level authority in the Purchaser’s organization]*

4.4 Change Proposal Form

(Supplier's Letterhead)

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name of System or Subsystem and number of Contract]*

To: *[insert: name of Purchaser and address]*

Attention: *[insert: name and title]*

Dear Sir or Madam:

In response to your Request for Change Proposal No. *[insert: number]*, we hereby submit our proposal as follows:

1. Title of Change: *[insert: name]*
2. Change Proposal No./Rev.: *[insert: proposal number/revision]*
3. Originator of Change: *[select: Purchaser / Supplier; and add: name]*
4. Brief Description of Change: *[insert: description]*
5. Reasons for Change: *[insert: reason]*
6. The System Subsystem, major component, or equipment that will be affected by the requested Change: *[insert: description]*
7. Technical documents and/or drawings for the requested Change:
Document or Drawing No. Description
8. Estimate of the increase/decrease to the Contract Price resulting from the proposed Change: *[insert: amount in currencies of Contract]*, as detailed below in the breakdown of prices, rates, and quantities.
Total lump sum cost of the Change:
Cost to prepare this Change Proposal (i.e., the amount payable if the Change is not accepted, limited as provided by GCC Clause 39.2.6):
9. Additional Time for Achieving Operational Acceptance required due to the Change: *[insert: amount in days / weeks]*

10. Effect on the Functional Guarantees: *[insert: description]*
11. Effect on the other terms and conditions of the Contract: *[insert: description]*
12. Validity of this Proposal: for a period of *[insert: number]* days after receipt of this Proposal by the Purchaser
13. Procedures to be followed:
 - (a) You are requested to notify us of your acceptance, comments, or rejection of this detailed Change Proposal within *[insert: number]* days from your receipt of this Proposal.
 - (b) The amount of any increase and/or decrease shall be taken into account in the adjustment of the Contract Price.

For and on behalf of the Supplier

Signed:

Date:

in the capacity of: *[state: “Supplier’s Representative” or specify a other higher level authority in the Supplier’s organization]*

4.5 Change Order Form

(Purchaser's Letterhead)

Date: [insert: date]

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: [*insert: title and number of RFB*]

Contract: *[insert: name of System or Subsystem and number of Contract]*

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

Attention: [*insert: name and title*]

Dear Sir or Madam:

We hereby approve the Change Order for the work specified in Change Proposal No. [insert: **number**], and agree to adjust the Contract Price, Time for Completion, and/or other conditions of the Contract in accordance with GCC Clause 39 of the Contract.

For and on behalf of the Purchaser

Signed: _____

Date: *[insert date]*

in the capacity of: [state: **“Project Manager”** or higher level authority in the Purchaser’s organization]

For and on behalf of the Supplier

Signed: _____

Date: *[insert date]*

in the capacity of: *[state “Supplier’s Representative” or specify a higher level authority in the Supplier’s organization]*

4.6 Application for Change Proposal Form

(Supplier's Letterhead)

Date: *[insert: date]*

Loan/Credit Number: *[insert: loan or credit number from RFB]*

RFB: *[insert: title and number of RFB]*

Contract: *[insert: name of System or Subsystem and number of Contract]*

To: *[insert: name of Purchaser and address]*

Attention: *[insert: name and title]*

Dear Sir or Madam:

We hereby propose that the below-mentioned work be treated as a Change to the System.

1. Title of Change: *[insert: name]*
2. Application for Change Proposal No./Rev.: *[insert: number / revision]* dated: *[insert: date]*
3. Brief Description of Change: *[insert: description]*
4. Reasons for Change: *[insert: description]*
5. Order of Magnitude Estimation: *[insert: amount in currencies of the Contract]*
6. Schedule Impact of Change: *[insert: description]*
7. Effect on Functional Guarantees, if any: *[insert: description]*
8. Appendix: *[insert: titles (if any); otherwise state "none"]*

For and on behalf of the Supplier

Signed:

Date:

in the capacity of: *[state: "Supplier's Representative" or specify a higher level authority in the Supplier's organization]*