

Request for Bids Goods

(One-Envelope Bidding Process)

Procurement of:

*PROCUREMENT OF SCIENCE
LABORATORY EQUIPMENT,
ACCESSORIES, APPLIANCES, AND
SUBSTANCES FOR THE SCHOOLS OF
ARMAVIR REGION*

RFB No: *AF EIP ICB-1.5.1.1*

Project: *ADDITIONAL FINANCING FOR “EDUCATION IMPROVEMENT
PROJECT”*

Purchaser: *Center for Education Projects PIU SA*

Country: *Armenia*

Issued on: *14 March 2023*

Standard Procurement Document

Table of Contents

PART 1 – Bidding Procedures..... 3

Section I - Instructions to Bidders5

Section II - Bid Data Sheet (BDS).....35

Section III - Evaluation and Qualification Criteria.....41

Section IV - Bidding Forms47

Section V - Eligible Countries65

Section VI - Fraud and Corruption67

PART 2 – Supply Requirements..... 71

Section VII - Schedule of Requirements73

PART 3 - Contract 167

Section VIII - General Conditions of Contract168

Section IX - Special Conditions of Contract.....195

Section X - Contract Forms201

PART 1 – Bidding Procedures

Section I - Instructions to Bidders

Contents

A. General	7
1. Scope of Bid.....	7
2. Source of Funds	7
3. Fraud and Corruption.....	8
4. Eligible Bidders	8
5. Eligible Goods and Related Services.....	11
B. Contents of Request for Bids Document	11
6. Sections of Bidding Document	11
7. Clarification of Bidding Document	12
8. Amendment of Bidding Document.....	12
C. Preparation of Bids	13
9. Cost of Bidding.....	13
10. Language of Bid.....	13
11. Documents Comprising the Bid.....	13
12. Letter of Bid and Price Schedules.....	14
13. Alternative Bids	14
14. Bid Prices and Discounts	14
15. Currencies of Bid and Payment	16
16. Documents Establishing the Eligibility and Conformity of the Goods and Related Services.....	17
17. Documents Establishing the Eligibility and Qualifications of the Bidder.....	17
18. Period of Validity of Bids.....	18
19. Bid Security	19
20. Format and Signing of Bid.....	20
D. Submission and Opening of Bids	21
21. Sealing and Marking of Bids	21
22. Deadline for Submission of Bids	22
23. Late Bids	22
24. Withdrawal, Substitution, and Modification of Bids	22
25. Bid Opening	23
E. Evaluation and Comparison of Bids	24
26. Confidentiality	24
27. Clarification of Bids.....	24
28. Deviations, Reservations, and Omissions.....	25
29. Determination of Responsiveness.....	25

30.	Nonconformities, Errors and Omissions.....	26
31.	Correction of Arithmetical Errors	26
32.	Conversion to Single Currency	27
33.	Margin of Preference	27
34.	Evaluation of Bids.....	27
35.	Comparison of Bids	28
36.	Abnormally Low Bids.....	29
37.	Qualification of the Bidder	29
38.	Purchaser’s Right to Accept Any Bid, and to Reject Any or All Bids	30
39.	Standstill Period	30
40.	Notification of Intention to Award	30
F. Award of Contract.....		30
41.	Award Criteria	30
42.	Purchaser’s Right to Vary Quantities at Time of Award.....	31
43.	Notification of Award.....	31
44.	Debriefing by the Purchaser.....	32
45.	Signing of Contract.....	32
46.	Performance Security	33
47.	Procurement Related Complaint.....	33

Section I. Instructions to Bidders

A. General

1. **Scope of Bid**
 - 1.1 In connection with the Specific Procurement Notice, Request for Bids (RFB), specified **in the Bid Data Sheet (BDS)**, the Purchaser, as specified **in the BDS**, issues this bidding document for the supply of Goods and, if applicable, any Related Services incidental thereto, as specified in Section VII, Schedule of Requirements. The name, identification and number of lots (contracts) of this RFB are **specified in the BDS**.
 - 1.2 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.
2. **Source of Funds**
 - 2.1 The Borrower or Recipient (hereinafter called “Borrower”) **specified 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 for which this bidding document is issued.
 - 2.2 Payment 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. 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 goods, if such payment or import is prohibited by

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 proceeds of the Loan (or other financing).

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 entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the 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) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works 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 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 in more than one Bid, except for permitted alternative Bids. This includes participation as a subcontractor. Such participation shall result in the disqualification of all Bids in which the firm is involved. A firm that is not a Bidder or a JV member, may participate 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 subcontractors or

subconsultants 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, 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 prequalified for, initially selected 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 A Bidder shall provide such documentary evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 4.10 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 Related Services**
- 5.1 All the Goods and Related Services 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 purposes of this ITB, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, installation, training, and initial maintenance.
- 5.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. Contents of Request for Bids Document

- 6. Sections of Bidding Document**
- 6.1 The bidding document consist of Parts 1, 2, and 3, which include all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART 1 Bidding Procedures

- Section I - Instructions to Bidders (ITB)
- Section II - Bidding Data Sheet (BDS)
- Section III - Evaluation and Qualification Criteria
- Section IV - Bidding Forms
- Section V - Eligible Countries
- Section VI - Fraud and Corruption

PART 2 Supply Requirements

- Section VII - Schedule of Requirements

PART 3 Contract

- Section VIII - General Conditions of Contract (GCC)
- Section IX - Special Conditions of Contract (SCC)
- Section X - Contract Forms

- 6.2 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**
- 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**. 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 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 clarification result in changes to the essential elements of the bidding document, the Purchaser shall amend the bidding document following the procedure under ITB 8 and ITB 22.2.
- 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 22.2.

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 into 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 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 14;
 - (c) **Bid Security** or **Bid-Securing Declaration**, in accordance with ITB 19.1;
 - (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 20.3;
 - (f) **Qualifications**: documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the Contract if its Bid is accepted;
 - (g) **Bidder's Eligibility**: documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to bid;
 - (h) **Eligibility of Goods and Related Services**: documentary evidence in accordance with ITB 16, establishing the eligibility of the Goods and Related Services to be supplied by the Bidder;
 - (i) **Conformity**: documentary evidence in accordance with ITB 16 and 30, that the Goods and Related Services conform to the bidding document; and

(j) 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. 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.

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 Letter of Bid and Price Schedules shall be prepared 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 20.3. All blank spaces shall be filled in with the information requested.

13. Alternative Bids

13.1. Unless otherwise specified **in the BDS**, alternative Bids shall not be considered.

14. Bid Prices and Discounts

14.1 The prices and discounts quoted by the Bidder in the Letter of Bid and in the Price Schedules shall conform to the requirements specified below.

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

14.3 The price to be quoted in the Letter of Bid in accordance with ITB 12.1 shall be the total price of the Bid, excluding any discounts offered.

14.4 The Bidder shall quote any discounts and indicate the methodology for their application in the Letter of Bid, in accordance with ITB 12.1.

14.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified **in the BDS**. A Bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected, pursuant to ITB 29. However, if in accordance with **the BDS**, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a Bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 14.6 If so specified in ITB 1.1, Bids are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise specified **in the BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer discounts for the award of more than one Contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4 provided the Bids for all lots (contracts) are opened at the same time.
- 14.7 The terms EXW, CIP, and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce, as specified **in the BDS**.
- 14.8 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V, Eligible Countries. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V, Eligible Countries. Prices shall be entered in the following manner:
- (a) For Goods manufactured in the Purchaser's Country:
 - (i) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any Purchaser's Country sales tax and other taxes which will be payable on the Goods if the Contract is awarded to the Bidder; and
 - (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) specified **in the BDS**.
 - (b) For Goods manufactured outside the Purchaser's Country, to be imported:

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

15. Currencies of Bid and Payment

- 15.1 The currency(ies) of the Bid and the currency(ies) of payments 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**.
- 15.2 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.

**16. Documents
Establishing the
Eligibility and
Conformity of the
Goods and
Related Services**

- 16.1 To establish the eligibility of the Goods and Related Services in accordance with ITB 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.
- 16.2 To establish the conformity of the Goods and Related Services to the bidding document, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.
- 16.3 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Section VII, Schedule of Requirements.
- 16.4 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser.
- 16.5 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section VII, Schedule of Requirements.

**17. Documents
Establishing the
Eligibility and
Qualifications of
the Bidder**

- 17.1 To establish Bidder's eligibility in accordance with ITB 4, Bidders shall complete the Letter of Bid, included in Section IV, Bidding Forms.
- 17.2 The documentary evidence of the Bidder's qualifications to perform the Contract if its Bid is accepted shall establish to the Purchaser's satisfaction:

- (a) that, if required **in the BDS**, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's Country;
- (b) that, if required **in the BDS**, in case of a Bidder not doing business within the Purchaser's Country, the Bidder is or will be (if awarded the Contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (c) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

18. Period of Validity of Bids

- 18.1. Bids shall remain valid until the date **specified in the BDS** or any extended date if amended by the Purchaser in accordance with ITP 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 ITP 8, shall be rejected by the Purchaser as nonresponsive.
- 18.2. In exceptional circumstances, prior to the expiry of the Bid validity, the Purchaser may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 19, it shall also be extended for a corresponding 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 18.3.
- 18.3. If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial Bid validity period, the Contract price shall be determined as follows:
 - (a) in the case of fixed price contracts, the Contract price shall be the Bid price adjusted by the factor specified **in the BDS**;
 - (b) in the case of adjustable price contracts, no adjustment 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.

19. Bid Security

- 19.1. 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**.
- 19.2. A Bid Securing Declaration shall use the form included in Section IV, Bidding Forms.
- 19.3. If a Bid Security is specified pursuant to ITB 19.1, 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 bank or 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 specified **in the BDS**,from a reputable source, and 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. 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 18.2.
- 19.4. If a Bid Security is specified pursuant to ITB 19.1, any Bid not accompanied by a substantially responsive Bid Security shall be rejected by the Purchaser as non-responsive.
- 19.5. If a Bid Security is specified pursuant to ITB 19.1, the Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the Contract and furnishing the Performance Security pursuant to ITB 46.

- 19.6. 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.
- 19.7. 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 45; or
 - (ii) furnish a Performance Security in accordance with ITB 46.
- 19.8. The Bid Security or Bid- Securing Declaration of a JV must 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 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.
- 19.9. If a Bid Security is not required **in the BDS**, pursuant to ITB 19.1, and
- (a) if a Bidder withdraws its Bid during the period 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: sign the Contract in accordance with ITB 45; or furnish a performance security in accordance with ITB 46;
- the Borrower may, if provided for **in the BDS**, declare the Bidder ineligible to be awarded a contract by the Purchaser for a period of time as stated **in the BDS**.

20. Format and Signing of Bid

- 20.1 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.
- 20.2 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.

- 20.3 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.
- 20.4 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.
- 20.5 Any inter-lineation, 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

21. Sealing and Marking of Bids

- 21.1. The Bidder shall deliver the Bid in a single, sealed envelope (one-envelope Bidding 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”, the alternative Bid; and
 - ii. in the envelope marked “COPIES – ALTERNATIVE BID” all required copies of the alternative Bid.
- 21.2. 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 22.1;
 - (c) bear the specific identification of this Bidding process indicated in ITB 1.1; and

- (d) bear a warning not to open before the time and date for Bid opening.

21.3 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.

22. Deadline for Submission of Bids

22.1. Bids must be received by the Purchaser at the address and no later than the date and time specified **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**.

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

23. Late Bids

23.1. The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 22. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.

24. Withdrawal, Substitution, and Modification of Bids

24.1. 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 (the power of attorney) in accordance with ITB 20.3, (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 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” or “MODIFICATION;” and

- (b) received by the Purchaser prior to the deadline prescribed for submission of Bids, in accordance with ITB 22.

24.2. Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.

24.3. No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder on the Letter of Bid or any extension thereof.

25. Bid Opening

25.1. Except as in the cases specified in ITB 23 and ITB 24.2, the Purchaser shall, at the Bid opening, publicly open and read out all Bids received by the deadline at the date, time and place specified **in the BDS** in the presence of Bidders' designated representatives and anyone who chooses to attend. Any specific electronic Bid opening procedures required if electronic bidding is permitted in accordance with ITB 22.1, shall be as specified **in the BDS**.

25.2. 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. If the withdrawal envelope does not contain a copy of the "power of attorney" confirming the signature as a person duly authorized to sign on behalf of the Bidder, the corresponding Bid will be opened. 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.

25.3. 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.

25.4. Next, 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.

25.5. Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the total Bid Prices, per lot (contract) if applicable, including any discounts and alternative Bids; the presence or absence of a Bid Security, if required; and any other details as the Purchaser may consider appropriate.

25.6. 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**.

- 25.7. The Purchaser shall neither discuss the merits of any Bid nor reject any Bid (except for late Bids, in accordance with ITB 23.1).
- 25.8. 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 (contract) if applicable, including any discounts;
 - (c) any alternative Bids;
 - (d) the presence or absence of a Bid Security or Bid-Securing Declaration, if one was required.
- 25.9. 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

26. Confidentiality

- 26.1 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 information on Intention to Award the Contract is transmitted to all Bidders in accordance with ITB 40.
- 26.2 Any effort by a Bidder to influence the Purchaser in the evaluation or contract award decisions may result in the rejection of its Bid.
- 26.3 Notwithstanding ITB 26.2, 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.

27. Clarification of Bids

- 27.1 To assist in the examination, evaluation, 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 in respect to its Bid and 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, including

any voluntary increase or decrease, 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 31.

27.2 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.

**28. Deviations,
Reservations, and
Omissions**

28.1 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.

**29. Determination of
Responsiveness**

29.1 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.

29.2 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 Goods and Related Services 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 Contract; or
- (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids.

29.3 The Purchaser shall examine the technical aspects of the Bid submitted in accordance with ITB 16 and ITB 17, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission.

29.4 If a Bid is not substantially responsive to the requirements of bidding document, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

**30. Nonconformities,
Errors and
Omissions**

30.1 Provided that a Bid is substantially responsive, the Purchaser may waive any nonconformities in the Bid.

30.2 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 or omissions in the Bid related to documentation requirements. Such omission 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.

30.3 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.

**31. Correction of
Arithmetical Errors**

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

- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

- 31.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 31.1, shall result in the rejection of the Bid.
- 32. Conversion to Single Currency** 32.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted in a single currency as specified **in the BDS**.
- 33. Margin of Preference** 33.1 Unless otherwise specified **in the BDS**, a margin of preference shall not apply.
- 34. Evaluation of Bids** 34.1 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. This is the Bid of the Bidder that meets the qualification criteria and whose Bid has been determined to be:
- (a) substantially responsive to the bidding document; and
 - (b) the lowest evaluated cost.
- 34.2 To evaluate a Bid, the Purchaser shall consider the following:
- (a) evaluation will be done for Items or Lots (contracts), as specified **in the BDS**; and the Bid Price as quoted in accordance with ITB 14;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB 31.1;
 - (c) price adjustment due to discounts offered in accordance with ITB 14.4;
 - (d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 32;
 - (e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 30.3; and
 - (f) the additional evaluation factors are specified in Section III, Evaluation and Qualification Criteria.
- 34.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 34.4 If this bidding document allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated cost of the lot (contract)

combinations, including any discounts offered in the Letter of Bid, is specified in Section III, Evaluation and Qualification Criteria.

- 34.5 The Purchaser's evaluation of a Bid will exclude and not take into account:
- (a) in the case of Goods manufactured in the Purchaser's Country, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) in the case of Goods manufactured outside the Purchaser's Country, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
 - (c) any allowance for price adjustment during the period of execution of the contract, if provided in the Bid.
- 34.6 The Purchaser's evaluation of a Bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Bids, unless otherwise specified **in the BDS** from amongst those set out in Section III, Evaluation and Qualification Criteria. The criteria and methodologies to be used shall be as specified in ITB 34.2(f).

35. Comparison of Bids

- 35.1 The Purchaser shall compare the evaluated costs of all substantially responsive Bids established in accordance with ITB 34.2 to determine the Bid that has the lowest evaluated cost. The comparison shall be on the basis of CIP (place of final destination) prices for imported goods and EXW prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within the Borrower's country, together with prices for any required installation, training, commissioning and other services. The evaluation of prices shall not take into account custom duties and other taxes levied on imported goods quoted CIP and sales and similar taxes levied in connection with the sale or delivery of goods.

36. Abnormally Low Bids

- 36.1 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 with the Purchaser as to the capability of the Bidder to perform the Contract for the offered Bid price.
- 36.2 In the event of identification of a potentially Abnormally Low Bid, the Purchaser shall seek written clarification from the Bidder, including a detailed price analyses of its Bid price in relation to the subject matter of the contract, scope, delivery schedule, allocation of risks and responsibilities and any other requirements of the bidding document.
- 36.3 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.

37. Qualification of the Bidder

- 37.1 The Purchaser shall determine, to its satisfaction, whether the eligible Bidder that is selected as having submitted the lowest evaluated cost and substantially responsive Bid, meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.
- 37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17. The determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the bidding document), or any other firm(s) different from the Bidder.
- 37.3 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.
- 37.4 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 Bidder who offers a substantially responsive Bid with the next lowest

evaluated cost to make a similar determination of that Bidder's qualifications to perform satisfactorily.

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

38.1 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.

39. Standstill Period

39.1 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 44. 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.

40. Notification of Intention to Award

40.1 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 names of all Bidders who submitted Bids, and their Bid prices as readout, and as evaluated;
- (d) a statement of the reason(s) the Bid (of the unsuccessful Bidder to whom the notification is addressed) was unsuccessful, unless the price information in c) above already reveals the reason;
- (e) the expiry date of the Standstill Period;
- (f) instructions on how to request a debriefing and/or submit a complaint during the standstill period.

F. Award of Contract

41. Award Criteria

41.1 Subject to ITB 38, the Purchaser shall award the Contract to the Bidder offering the Most Advantageous Bid. The Most Advantageous Bid is the Bid of the Bidder that meets the qualification criteria and whose Bid has been determined to be:

- (a) substantially responsive to the bidding document; and
- (b) the lowest evaluated cost.

42. Purchaser’s Right to Vary Quantities at Time of Award

42.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VII, Schedule of Requirements, provided this does not exceed the percentages specified **in the BDS**, and without any change in the unit prices or other terms and conditions of the Bid and the bidding document.

43. Notification of Award

43.1 Prior to the date of expiry of the Bid validity and upon expiry of the Standstill Period, specified in ITB 39.1 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 of award (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”).

43.2 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) names of all Bidders whose Bids were rejected either as nonresponsive or as not meeting qualification criteria, or were not evaluated, with the reasons therefor;
- (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 45.1.

43.3 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.

43.4 Until a formal Contract is prepared and executed, the Letter of Acceptance shall constitute a binding Contract.

44. Debriefing by the Purchaser

44.1 On receipt of the Purchaser's Notification of Intention to Award referred to in ITB 40.1, 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.

44.2 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

44.3 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.

44.4 Debriefings of unsuccessful Bidders may be done in writing or verbally. The Bidders shall bear their own costs of attending such a debriefing meeting.

45. Signing of Contract

45.1 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.

- 45.2 The successful Bidder shall sign, date and return to the Purchaser, the Contract Agreement within twenty-eight (28) days of its receipt.
- 45.3 Notwithstanding ITB 45.2 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 products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, 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 products/goods, systems or services under the terms of the Contract.

**46. Performance
Security**

- 46.1 Within twenty-eight (28) days of the receipt of Letter of Acceptance from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC 18, using for that purpose the Performance Security Form included in Section X, Contract Forms, 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 bond shall have a correspondent financial institution located in the Purchaser's Country, unless the Purchaser has agreed in writing that a correspondent financial institution is not required.
- 46.2 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.

**47. Procurement Related
Complaint**

- 47.1 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 goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Reference	A. General
ITB 1.1	<p>The reference number of the Request for Bids (RFB) is : <i>AF EIP ICB-1.5.1.1</i></p> <p>The Purchaser is: <i>Center for Education Projects PIU SA</i></p> <p>THE NAME OF THE RFB IS: <i>PROCUREMENT OF SCIENCE LABORATORY EQUIPMENT, ACCESSORIES, APPLIANCES, AND SUBSTANCES FOR SCHOOLS OF ARMAVIR REGION</i></p> <p>The number and identification of lots (contracts) comprising this RFB is: <i>This RFB is comprising from 7 (seven) Lots (Details are provided in Section VII. Schedule of Requirements):</i> <i>Lot 1: Procurement of Biology and Chemistry Laboratory Equipment</i> <i>Lot 2: Procurement of Electrical Equipment and appliance for Biology, Chemistry and Physics Laboratories</i> <i>Lot 3: Procurement of Accessories and appliance for Biology and Chemistry Laboratories</i> <i>Lot 4: Procurement of Substances for the Chemistry and Biology Laboratories</i> <i>Lot 5: Procurement of Geography Laboratory Equipment and accessories</i> <i>Lot 6: Procurement of Physics Laboratory Accessories</i> <i>Lot 7: Procurement of Physics Laboratory Equipment</i></p> <p>Bidders have the option to bid for one lot, two lots, three lots, four lots, five lots, six lots or all seven lots. Bids will be evaluated on a per lot basis. Discounts, if any, offered for each lot will be considered in the evaluation of bids. Discounts for <u>combined lots</u> will be taken into account in evaluation of bids.</p>
ITB 2.1	<p>The Borrower is: <i>Republic of Armenia, implemented by the Center for Education Projects PIU SA of MoESCS of Republic of Armenia</i></p> <p>Loan or Financing Agreement amount: <i>EURO 22,600,000</i></p> <p>The name of the Project is: <i>ADDITIONAL FINANCING FOR “EDUCATION IMPROVEMENT PROJECT”</i></p>
ITB 4.1	<p>Maximum number of members in the Joint Venture (JV) shall be: <i>3 (three)</i></p>

ITB 4.5	A list of debarred firms and individuals is available on the Bank’s external website: http://www.worldbank.org/debarr .
B. Contents of Bidding Document	
ITB 7.1	<p>For Clarification of Bid purposes only, the Purchaser’s address is: Attention: Mr. Grisha Hovhannisyan Address: 73 Simon Vratsyan str. Floor/ Room number: 2nd floor City: Yerevan ZIP Code: 0070 Country: Republic of Armenia Telephone: +374 10 575690 Electronic mail address: info@cfep.am</p> <p>Requests for clarification should be received by the Purchaser no later than: 14 (fourteen) days prior to the submission deadline.</p> <p>Web page: www.cfep.am</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 (j)	<p>The Bidder shall submit the following additional documents in its Bid: N/A</p>
ITB 13.1	Alternative Bids shall not be considered.
ITB 14.5	The prices quoted by the Bidder shall not be subject to adjustment during the performance of the Contract.
ITB 14.6	<p>Prices quoted for each lot (contract) shall correspond at least to 100 percent of the items specified for each lot (contract).</p> <p>Prices quoted for each item of a lot shall correspond at least to 100 percent of the quantities specified for this item of a lot.</p>
ITB 14.7	The Incoterms edition is: Incoterms 2020.

ITB 14.8 (b)(i)	Place of destination: The custom service border of the Republic of Armenia
ITB 14.8 (a)(iii), (b)(ii) and (c)(v)	Final Destination (Project Site): Final places of destinations in the Purchaser’s Country as specified in the Section VII Schedule of Requirements - Site Table.
ITB 15.1	The Bidder is not 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. The local bidders are reminded that the requirements of “The Law of the currency regulation and currency control”# 135-N, adopted by the National Assembly of RA on 24.11.2004, should be respected.
ITB 16.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts): N/A
ITB 17.2 (a)	Manufacturer’s authorization is: required as specified in Section VII (Technical Specifications).
ITB 17.2 (b)	After sales service is: Not required.
ITB 18.1	The Bid shall be valid until: 60 Calendar days (24 June 2023)
ITB 18.3 (a)	The Bid price shall be adjusted by the following factor(s): 0.01% per day.
ITB 19.1	A Bid-Securing Declaration shall be required. A Bid Security shall not be required.
ITB 19.3 (d)	Other types of acceptable securities: None.
ITB 19.9	If the Bidder performs any of the actions prescribed in ITB 19.9 (a) or (b), the Borrower will declare the Bidder ineligible to be awarded a contract by the Purchaser for a period of 2 (two) years.
ITB 20.1	In addition to the original of the Bid, the number of copies is: 1(one).
ITB 20.3	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: The form of a written power of attorney.
D. Submission and Opening of Bids	
ITB 22.1	For <u>Bid submission purposes</u> only, the Purchaser’s address is: Attention: Mr. Grisha Hovhannisyan

	<p>Street Address: 73 Simon Vratsyan str.</p> <p>Floor/ Room number: 2nd floor, (procurement unit)</p> <p>City: Yerevan</p> <p>ZIP/Postal Code: 0070</p> <p>Country: Republic of Armenia</p> <p>The deadline for Bid submission is:</p> <p>Date: 25 April 2023</p> <p>Time: 15:00 (Local Time)</p> <p>Bidders <i>shall not</i> have the option of submitting their Bids electronically.</p>
ITB 25.1	<p>The Bid opening shall take place at: CFEP PIU SA office</p> <p>Street Address: 73 Simon Vratsyan str.</p> <p>Floor/ Room number: 2nd floor, (conference hall)</p> <p>City: Yerevan</p> <p>Country: Republic of Armenia</p> <p>Date: 25 April 2023</p> <p>Time: 15:00 (Local Time)</p>
ITB 25.6	<p>The Letter of Bid and Price Schedules shall be initialed by 3 (three) representatives of the Purchaser conducting Bid opening.</p>
E. Evaluation and Comparison of Bids	
ITB 32.1	<p>The currency that shall be used for Bid evaluation and comparison purposes to convert at the selling exchange rate all Bid prices expressed in various currencies into a single currency is: Armenian Drams /AMD/</p> <p>The source of exchange rate shall be: The Central Bank of Armenia (http://www.cba.am)</p> <p>The date for the exchange rate shall be: <i>the date of the Bid opening.</i></p>
ITB 33.1	<p>A margin of domestic preference shall not apply.</p>
ITB 34.2(a)	<p>Evaluation will be done for Lots.</p> <p>Bids will be evaluated lot by lot or by combination of lots. If a Price Schedule shows items listed but not priced or not listed in a Price Schedule but specified in other sections of the Bid, their prices shall be assumed to be included in the prices of other items.</p>

	<p>Discounts, if any, offered for each lot will be considered in the evaluation of bids. Discounts for <u>combined lots</u> will be taken into account in evaluation of bids.</p>
ITB 34.6	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <p>(a) Deviation in Delivery schedule: No.</p> <p>(b) Deviation in payment schedule: No.</p> <p>(c) the cost of major replacement component, mandatory spare parts, and service: No.</p> <p>(d) the availability in the Purchaser’s Country of spare parts and after-sales services for the equipment offered in the Bid: No.</p> <p>(e) Life cycle costs: the costs during the life of the goods or equipment: No.</p> <p>(f) the performance and productivity of the equipment offered; No.</p>
	<p>F. Award of Contract</p>
ITB 42	<p>The maximum percentage by which quantities may be increased is: 15%</p> <p>The maximum percentage by which quantities may be decreased is: 15%</p>
ITB 45. 1	<p>The successful Bidder shall submit the Beneficial Ownership Disclosure Form.</p>
ITB 47.1	<p>The procedures for making a Procurement-related Complaint are detailed in the “Procurement Regulations for IPF Borrowers (Annex III).” 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:</p> <p>For the attention: Mr. Grisha Hovhannisyan</p> <p>Title/position: Acting Director</p> <p>Purchaser: Center for Education Projects PIU SA of MoESCS</p> <p>Email address: info@cfep.am</p> <p>In summary, a Procurement-related Complaint may challenge any of the following:</p> <ol style="list-style-type: none"> 1. the terms of the Bidding Documents; and 2. the Purchaser’s decision to award the contract.

Section III - Evaluation and Qualification Criteria

Contents

1. Margin of Preference (ITB 33)	42
2. Evaluation (ITB 34)	42
3. Qualification (ITB 37).....	42

1. Margin of Preference - NOT APPLICABLE

2. Evaluation (ITB 34)

2.1. Evaluation Criteria (ITB 34.6) NOT APPLICABLE

2.2. Multiple Contracts (ITB 34.4)

If accordance with ITB 1.1, Bids are invited for individual lots or for any combination of lots, the contract will be awarded to the Bidder or Bidders offering a substantially responsive Bid(s) and the lowest evaluated cost to the Purchaser for combined lots, after considering all possible combination of lots, subject to the selected Bidder(s) meeting the required qualification criteria (this Section III, Sub-Section ITB 37 Qualification Requirements) for a lot or combination of lots as the case may be.

In determining Bidder or Bidders that offer the total lowest evaluated cost to the Purchaser for combined lots, the Purchaser shall apply the following steps in sequence:

- (a) evaluate individual lots to determine the substantially responsive Bids and corresponding evaluated costs;
- (b) for each lot, rank the substantially responsive Bids starting from the lowest evaluated cost for the lot;
- (c) apply to the evaluated costs listed in b) above, any applicable discounts/price reductions offered by a Bidder (s) for the award of multiple contracts based on the discounts and the methodology for their application offered by the respective Bidder; and
- (d) determine contract award on the basis of the combination of lots that offer the total lowest evaluated cost to the Purchaser.

2.3. Alternative Bids (ITB 13.1) NOT APPLICABLE

3. Qualification (ITB 37)

3.1 Qualification Criteria (ITB 37.1)

After determining the substantially responsive Bid which offers the lowest-evaluated cost in accordance with ITB 34, and, if applicable, the assessment of any Abnormally Low Bid (in accordance with ITB 36) the Purchaser shall carry out the post-qualification of the Bidder in accordance with ITB 37, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

- (a) **Financial Capability:** The Bidder should demonstrate soundness of its financial position and ownership of financial resources necessary to handle the requirements of the proposed Contract. Specifically, it should prove through submission of Audit Reports inclusive Auditors' Opinion(s) and attached Notes to the financial statements for **any 3 successive years during the period of 2017-2022 (2017-2019 or 2018-2020 or 2019-2021 or 2020-2022) of its own choice**, ensuring that:

(i) Its average annual revenue for the selected three years (should be the same 3 years) should be at least equal to the value of the bid. In order to qualify for more than one lot, bidders shall meet the aggregate requirement for relevant lots.

In case of JV:

- i. Each member of the JV shall submit: Audit Reports inclusive Auditors' Opinion(s) and attached Notes to the financial statements for **any 3 successive years during the period of 2017-2022 (2017-2019 or 2018-2020 or 2019-2021 or 2020-2022) of its own choice**
- ii. JV shall meet the following requirements:
 - Average annual revenue for the selected three years (should be the same 3 years) should be at least equal to the value of the bid. In order to qualify for more than one lot, bidders shall meet the aggregate requirement for relevant lots.

(b) Specific Experience: The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

- i. The Bidder should be a legally registered entity. In this regard the Bidder is required to submit copies of State Registration Certificate and Charter.
- ii. The Bidder should have been in the business of laboratory equipment/electrical equipment/laboratory accessories/appliances/substances (hereinafter LabGoods) supply at least from January 1, 2017. In this regard the Bidder is required to submit a statement representing the list of contracts performed by the Bidder started from January 1, 2017 and completed before the bid submission deadline, specifying the contractor, contract price, duration and type of LabGoods.
- iii. The Bidder should have successfully implemented at least 1 contract or up to 3 contracts of relevant LabGoods supply: started from January 1, 2017 and completed before the bid submission deadline for each submitted lot with at least the same total amount no less than the amount submitted for the current lot. The Bidder should provide copies of contracts, invoices and final acceptance acts (with supplied items, quantities and amount per item) ensuring the appropriate LabGoods supply and acceptance signed and stamped by the purchaser for those contracts.

(c) In case of JV:

- i. Each member of the JV shall submit copies of State Registration Certificate and Charter.
- ii. Each member of the JV should have been in the business of laboratory equipment/electrical equipment/laboratory accessories/appliances/substances supply at least from January 1, 2017. In this regard the Bidder is required to

submit a statement representing the list of contracts performed by the Bidder started from January 1, 2017 and completed before the bid submission deadline, specifying the contractor, contract price, duration and type of LabGoods.

iii. The JV should have successfully implemented at least 1 contract or up to 3 contracts of relevant LabGoods supply: started from January 1, 2017 and completed before the bid submission deadline for each submitted lot with at least the same total amount no less than the amount submitted for the current lot. The Bidder should provide copies of contracts, invoices and final acceptance acts (with supplied items, quantities and amount per item) ensuring the appropriate LabGoods supply and acceptance signed and stamped by the purchaser for those contracts.

The Bidder to be awarded a contract for more than one lot must meet the following specific requirements:

For all combinations for more than one lot - 1 contract or up to 5 contracts at least with the total/aggregated amount of the Bids for the appropriate Lots.

- (d) **Documentary Evidence:** The Bidder shall furnish documentary evidence to demonstrate that the goods it offers meet the following usage requirement: **technical and performance characteristics and detailed description of the Goods offered meet technical specification requirements of the Section VII Schedule of Requirements.**

(e)Manufacturing experience and Technical Capacity: For the items under the Contract that the bidder is a manufacturer, the Bidder shall furnish documentary evidence to demonstrate that:

- (i) it has manufactured goods of similar nature and complexity for at least 5 years, prior to the bid submission deadline; and
- (ii) its annual production capacity of goods of similar nature and complexity for each of the last 5 years, prior to the bid submission deadline, is at least 2 times the quantities specified under the contract.

(f)Manufacturer's authorization: A Bidder who does not manufacture an item/s where a manufacturer authorization is required in accordance with BDS ITB 17.2 (a), the Bidder shall provide evidence of being duly authorized by a manufacturer (Manufacturer's Authorization Form, Section IV, Bidding Forms), meeting the criteria in (d) (i) and (ii) above, to supply the Goods;

(g) A bidder who does not manufacture an item/s where a manufacturer authorization is not required in accordance with BDS ITB 17.2 (a), the bidder shall submit documentation on, its status as a supplier, to the satisfaction of the Purchaser (e.g. *authorized dealer/ distributor of the items*).

At the time of Contract Award, the Bidder (including each subcontractor proposed by the Bidder) shall not be subject to disqualification by the Bank for non-compliance with SEA/SH obligations.

Section IV - Bidding Forms

Table of Forms

Letter of Bid.....	48
Bidder Information Form	51
Bidder’s JV Members Information Form	52
Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment Performance Declaration.....	53
Price Schedule: Goods Manufactured Outside the Purchaser’s Country, to be Imported	55
Price Schedule: Goods Manufactured Outside the Purchaser’s Country, already imported*	56
Price Schedule: Goods Manufactured in the Purchaser’s Country	57
Price and Completion Schedule - Related Services	58
Form of Bid Security	59
Form of Bid Security (Bid Bond).....	61
Form of Bid-Securing Declaration	63
Manufacturer’s Authorization	64

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]*

Request for Bid No.: *[insert identification]*

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

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/Proposal-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 (iii) 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 supply in conformity with the bidding document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: *[insert a brief description of the Goods and Related Services]*;

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

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

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, [indicate taxes](#)]*; 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 [indicate taxes](#)]*;

(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 ITP 18.1]*, 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, or as a subcontractor, 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, 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) **Purchaser 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 date of signing]* **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.

** : 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.

Bidder Information Form

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

Page _____ of _____ pages

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>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITB 4.6 documents establishing: <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. <i>[If required under BDS ITB 45.1, the successful Bidder shall provide additional information on beneficial ownership, using the Beneficial Ownership Disclosure Form.]</i>

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]*

Page _____ of _____ pages

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 <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Purchaser, in accordance with ITB 4.6.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. <i>[If required under BDS ITB 45.1, the successful Bidder shall provide additional information on beneficial ownership for each JV member using the Beneficial Ownership Disclosure Form.]</i>

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
<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>

Price Schedule Forms

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

Price Schedule: Goods Manufactured Outside the Purchaser’s Country, to be Imported

(Group C Bids, goods to be imported)							Date: _____	
Currencies in accordance with ITB 15							RFB No: _____	
							Alternative No: _____	
							Page N° _____ of _____	
1	2	3	4	5	6	7	8	9
Line Item N°	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price CIP <i>[insert place of destination]</i> in accordance with ITB 14.8(b)(i)	CIP Price per line item (Col. 5x6)	Price per line item for inland transportation and other services required in the Purchaser’s Country to convey the Goods to their final destination specified in BDS	Total Price per Line item (Col. 7+8)
<i>[insert number of the item]</i>	<i>[insert name of good]</i>	<i>[insert country of origin of the Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price CIP per unit]</i>	<i>[insert total CIP price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[insert total price of the line item]</i>
							Total Price	

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[Insert Date]*

Price Schedule: Goods Manufactured Outside the Purchaser’s Country, already imported*

(Group C Bids, Goods already imported)										Date: _____	
Currencies in accordance with ITB 15										RFB No: _____	
										Alternative No: _____	
										Page N° _____ of _____	
1	2	3	4	5	6	7	8	9	10	11	12
Line Item N°	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price including Custom Duties and Import Taxes paid, in accordance with ITB 14.8(c)(i)	Custom Duties and Import Taxes paid per unit in accordance with ITB 14.8(c)(ii) , [to be supported by documents]	Unit Price net of custom duties and import taxes, in accordance with ITB 14.8 (c) (iii) (Col. 6 minus Col.7)	Price per line item net of Custom Duties and Import Taxes paid, in accordance with ITB 14.8(c)(i) (Col. 5×8)	Price per line item for inland transportation and other services required in the Purchaser’s Country to convey the goods to their final destination, as specified in BDS in accordance with ITB 14.8 (c)(v)	Sales and other taxes paid or payable per item if Contract is awarded (in accordance with ITB 14.8(c)(iv)	Total Price per line item (Col. 9+10)
<i>[insert number of the item]</i>	<i>[insert name of Goods]</i>	<i>[insert country of origin of the Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price per unit]</i>	<i>[insert custom duties and taxes paid per unit]</i>	<i>[insert unit price net of custom duties and import taxes]</i>	<i>[insert price per line item net of custom duties and import taxes]</i>	<i>[insert price per line item for inland transportation and other services required in the Purchaser’s Country]</i>	<i>[insert sales and other taxes payable per item if Contract is awarded]</i>	<i>[insert total price per line item]</i>
										Total Bid Price	

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

* *[For previously imported Goods, the quoted price shall be distinguishable from the original import value of these Goods declared to customs and shall include any rebate or mark-up of the local agent or representative and all local costs except import duties and taxes, which have been and/or have to be paid by the Purchaser. For clarity the Bidders are asked to quote the price including import duties, and additionally to provide the import duties and the price net of import duties which is the difference of those values.]*

Price Schedule: Goods Manufactured in the Purchaser’s Country

Purchaser’s Country _____		(Group A and B Bids) Currencies in accordance with ITB 15					Date: _____ RFB No: _____ Alternative No: _____ Page N° _____ of _____			
1	2	3	4	5	6	7	8	9	10	
Line Item N°	Description of Goods	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price EXW	Total EXW price per line item (Col. 4x5)	Price per line item for inland transportation and other services required in the Purchaser’s Country to convey the Goods to their final destination	Cost of local labor, raw materials and components from with origin in the Purchaser’s Country % of Col. 5	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 14.8(a)(ii))	Total Price per line item (Col. 6+7)	
<i>[insert number of the item]</i>	<i>[insert name of Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert EXW unit price]</i>	<i>[insert total EXW price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[Insert cost of local labor, raw material and components from within the Purchase’s country as a % of the EXW price per line item]</i>	<i>[insert sales and other taxes payable per line item if Contract is awarded]</i>	<i>[insert total price per item]</i>	
								Total Price		

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

Price and Completion Schedule - Related Services

Currencies in accordance with ITB 15						Date: _____
						RFB No: _____
						Alternative No: _____
						Page N° _____ of _____
1	2	3	4	5	6	7
Service N°	Description of Services (excludes inland transportation and other services required in the Purchaser's Country to convey the goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	Unit price	Total Price per Service (Col. 5*6 or estimate)
<i>[insert number of the Service]</i>	<i>[insert name of Services]</i>	<i>[insert country of origin of the Services]</i>	<i>[insert delivery date at place of final destination per Service]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price per item]</i>	<i>[insert total price per item]</i>
Total Bid Price						

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]* **indicate taxes**

Form of Bid Security– Not Applicable

(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 Request for Bids]*

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]*

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

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 to the Beneficiary its Bid (hereinafter called "the Bid") for the execution of _____ under Request for Bids No. _____ ("the RFB").

Furthermore, we understand that, according to the Beneficiary's conditions, 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 _____ (_____) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) has withdrawn its 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) sign the contract agreement, 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 indicated above 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)]

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

Form of Bid Security (Bid Bond) – Not Applicable

[The Surety shall fill in this Bid Bond Form in accordance with the instructions indicated.]

BOND NO. _____

BY THIS BOND *[name of Bidder]* as Principal (hereinafter called “the Principal”), and *[name, legal title, and address of surety]*, **authorized to transact business in** *[name of country of Purchaser]*, as Surety (hereinafter called “the Surety”), are held and firmly bound unto *[name of Purchaser]* as Obligee (hereinafter called “the Purchaser”) in the sum of *[amount of Bond]*¹ *[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 ___ day of _____, 20___, for the supply of *[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 any extension thereto provided by the Principal.

IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executed in their respective names this ___ day of _____ 20___.

Principal: _____ Surety: _____
Corporate Seal (where appropriate)

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.

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

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

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

To: *[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 or refuse to sign the Contract; 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* _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder** _____

Title of the person signing the Bid _____

Signature of the person named above _____

Date signed _____ day of _____, _____

*: 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.]

Manufacturer's Authorization

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

Date: *[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]*

To: *[insert complete name of Purchaser]*

WHEREAS

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

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

We confirm that we do not engage or employ forced labor or persons subject to trafficking or child labor, in accordance with Clause 14 of the General Conditions of Contract.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

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

Title: *[insert title]*

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

Section V - Eligible Countries

Eligibility for the Provision of Goods, Works and Non Consulting Services in Bank-Financed Procurement

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

Under ITB 4.8(a) and ITB 5.1: *None.*

Under ITB 4.8(b) and ITB 5.1: *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

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

to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the Bank.

relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

PART 2 – Supply Requirements

Section VII - Schedule of Requirements

Contents

1. List of Goods and Delivery Schedule	74
2. List of Related Services and Completion Schedule.....	Error! Bookmark not defined.
3. Technical Specifications	115
4. Drawings	164
5. Inspections and Tests.....	164

1. List of Goods and Delivery Schedule

Lot 1: Biology and Chemistry Laboratory Equipment

Line Item N°	Description of Goods	Physical unit	Total quantity	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1.	Alcohol Thermometer	Unit	1980	22	12	22	specified in the Site Table /Delivery list/	120	120	
2.	Aquarium with filter and air pump	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
3.	Binocular Microscope	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
4.	Eyeiece reticule	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
5.	Stereo microscope	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
6.	Stage micrometer	Unit	803	0	6	11	specified in the Site Table /Delivery list/	120	120	
7.	Blood glucose meter, with test strips	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

8.	Classroom DNA Electrophoresis Lab Station	Pack age	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
9.	Gel electrophoresis kit	Set	83	0	+	+	specified in the Site Table /Delivery list/	120	120	
10.	Digital scales	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
11.	Digital scales	Unit	378	4	3	4	specified in the Site Table /Delivery list/	120	120	
12.	Digital Analytical scales	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
13.	Finger Tip Pulse oximeter	Unit	534	6	3	6	specified in the Site Table /Delivery list/	120	120	
14.	Biology data collection and graphing set	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
15.	Chemistry data collection and graphing set	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
16.	Software	Pack age	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
17.	Magnifying glass	Unit	890	10	5	10	specified in the Site Table /Delivery list/	120	120	
18.	MicroCentrifuge	Unit	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
19.	Stopwatch	Unit	1710	11	11	21	specified in the Site Table /Delivery list/	120	120	
20.	Water distiller	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
21.	Alcohol burner	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
22.	Liebig condenser	Unit	534	6	3	6	specified in the Site Table /Delivery list/	120	120	

23.	Water Vacuum Pump	Unit	300	3	3	3	specified in the Site Table /Delivery list/	120	120	
24.	Magnetic stirrer, Hot Plate, magnetic stir bar	Unit	466	2	3	6	specified in the Site Table /Delivery list/	120	120	
25.	Long Lighter	Unit	400	4	4	4	specified in the Site Table /Delivery list/	120	120	
26.	Flame Gun with 1 Butane Canister	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	

Lot 2: Electrical Equipment and appliance for Biology, Chemistry and Physics Laboratories

Line Item N°	Description of Goods	Physical unit	Total quantity	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1.	Electric kettle	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
2.	Portable gas burner with Automatic Electronic Ignition	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
3.	Single Electric Hot Plate	Unit	612	7	3	7	specified in the Site Table /Delivery list/	120	120	
4.	Refrigerator	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
5.	Electric oven	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

6.	Round electric heating plate	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
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Lot 3: Accessories and appliance for Biology and Chemistry Laboratories

Line Item N°	Description of Goods	Physical unit	Total quantity	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1.	Anatomical joint models with ligaments: the hip joint, shoulder joint, knee joint, hand and foot	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
2.	Basin	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
3.	Basin	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
4.	Beaker	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	

5.	Beaker	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
6.	Beaker	Unit	7710	30	50	100	specified in the Site Table /Delivery list/	120	120	
7.	Beaker	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
8.	Beaker	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
9.	Beaker	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
10.	Biology Dissecting tool set	Set	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
11.	Biology Dissection Pan	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
12.	Bunsen Burner Gauze Mats	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
13.	Cover glasses	Box	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
14.	DNA Fingerprinting Classroom Kit	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
15.	DNA model kit	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

16.	Emergency eye washer	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
17.	Eppendorf tube	Unit	7200	0	50	100	specified in the Site Table /Delivery list/	120	120	
18.	Eppendorf tube	Unit	178000	2000	1000	2000	specified in the Site Table /Delivery list/	120	120	
19.	First aid kit	Package	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
20.	Fire extinguisher	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
21.	Glass Vials	Unit	3560	40	20	40	specified in the Site Table /Delivery list/	120	120	
22.	Glass Vials	Unit	7880	40	50	100	specified in the Site Table /Delivery list/	120	120	
23.	Glass Vials	Unit	7880	40	50	100	specified in the Site Table /Delivery list/	120	120	
24.	Gloves	Pack	400	4	4	4	specified in the Site Table /Delivery list/	120	120	
25.	Gloves	Pack	417	4	2	5	specified in the Site Table /Delivery list/	120	120	
26.	Gloves	Pack	417	4	2	5	specified in the Site Table /Delivery list/	120	120	

27.	Graduated cylinder	Unit	2136	24	12	24	specified in the Site Table /Delivery list/	120	120	
28.	Graduated cylinder	Unit	2136	24	12	24	specified in the Site Table /Delivery list/	120	120	
29.	Human Body Model	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
30.	Human Skeleton Model	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
31.	Human skin model	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
32.	Inoculation needle	Unit	556	6	4	6	specified in the Site Table /Delivery list/	120	120	
33.	Insect collecting net	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
34.	Laminated poster, cells	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
35.	Laminated poster, Evolution Tree of Life Poster	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
36.	Laminated poster, plant structure and processes	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
37.	Laminated poster, protist diversity	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

38.	Magnetic stir bar set	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
39.	Male Genital Organ Model	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
40.	Micro Respirometer	Unit	432	0	3	6	specified in the Site Table /Delivery list/	120	120	
41.	Microscope slides	Box	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
42.	Microscope slides set for general biology	Set	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
43.	Model flower with fruit	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
44.	Model of human brain	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
45.	Model of human spinal cord	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
46.	Models of fetal development, set	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
47.	Models of sensory organs - eye, ear, set	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
48.	Molecular Model Set	Set	990	11	6	11	specified in the Site Table /Delivery list/	120	120	

49.	Mortar and pestle	Unit	1710	11	11	21	specified in the Site Table /Delivery list/	120	120	
50.	Pasteur Pipets, plastic	Unit	111700	1000	700	1300	specified in the Site Table /Delivery list/	120	120	
51.	Graduated Pipets	Unit	3760	42	22	42	specified in the Site Table /Delivery list/	120	120	
52.	Graduated Pipets	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
53.	Photosynthesis kit	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
54.	Automatic adjustable pipettes, set	Set	144	0	1	2	specified in the Site Table /Delivery list/	120	120	
55.	Pipettes tips for automatic adjustable pipettes with tip holder refill system, for each type of pipette in the automatic adjustable pipettes' set.	Box	144	0	1	2	specified in the Site Table /Delivery list/	120	120	
56.	Plastic cup	Unit	8900	100	50	100	specified in the Site Table /Delivery list/	120	120	
57.	Plastic eye protection glasses	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	

58.	Roulette Meter	Unit	456	5	3	5	specified in the Site Table /Delivery list/	120	120	
59.	Scalpel	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
60.	Scissors	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
61.	Serving Tray Rectangular	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
62.	Syringe plastic	Unit	3760	42	22	42	specified in the Site Table /Delivery list/	120	120	
63.	Syringe plastic	Unit	3760	42	22	42	specified in the Site Table /Delivery list/	120	120	
64.	Syringe plastic	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
65.	Test tube	Unit	32200	200	200	400	specified in the Site Table /Delivery list/	120	120	
66.	Test tube	Unit	26700	300	150	300	specified in the Site Table /Delivery list/	120	120	
67.	Test tube brush	Unit	1591	4	11	21	specified in the Site Table /Delivery list/	120	120	
68.	Test tube brush	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	

69.	Test Tube Stands	Unit	2136	24	12	24	specified in the Site Table /Delivery list/	120	120	
70.	Test Tube Stands	Unit	2136	24	12	24	specified in the Site Table /Delivery list/	120	120	
71.	Test Tube Holder	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
72.	Tweezers	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
73.	Visking tubing	Unit	161	1	1	2	specified in the Site Table /Delivery list/	120	120	
74.	Visking Tubing Clips	Pack	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
75.	Conical flask	Unit	1980	22	12	22	specified in the Site Table /Delivery list/	120	120	
76.	Conical flask	Unit	1980	22	12	22	specified in the Site Table /Delivery list/	120	120	
77.	Round bottom flask, standard taper joint outer 29	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
78.	Conical Flask, Erlenmeyer, standard taper joint outer 29 and stopper	Unit	1490	16	11	16	specified in the Site Table /Delivery list/	120	120	

79.	Round bottom flask, Standard taper Joint outer 14,5	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
80.	Volumetric flask with stopper	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
81.	Volumetric flask with stopper	Unit	1000	10	10	10	specified in the Site Table /Delivery list/	120	120	
82.	Volumetric flask with stopper	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
83.	Volumetric flask with stopper	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
84.	Volumetric flask with stopper	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
85.	Volumetric flask with stopper	Unit	3560	40	20	40	specified in the Site Table /Delivery list/	120	120	
86.	Rubber conical stopper 14,5, 1-hole	Unit	5340	60	30	60	specified in the Site Table /Delivery list/	120	120	
87.	Rubber conical stopper 14,5	Unit	17800	200	100	200	specified in the Site Table /Delivery list/	120	120	
88.	Rubber conical stopper 19	Unit	17800	200	100	200	specified in the Site Table /Delivery list/	120	120	
89.	Rubber conical stopper 19, 1-hole	Unit	3560	40	20	40	specified in the Site Table /Delivery list/	120	120	

90.	Pipette Filler	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
91.	Silicone hose	M	1780	20	10	20	specified in the Site Table /Delivery list/	120	120	
92.	Silicone hose	M	1780	20	10	20	specified in the Site Table /Delivery list/	120	120	
93.	Silicone Vacuum Hose	M	890	10	5	10	specified in the Site Table /Delivery list/	120	120	
94.	Standard Glass Claisen Adapter	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
95.	Glass Stirring Rod Stir Stick	Unit	3560	40	20	40	specified in the Site Table /Delivery list/	120	120	
96.	Lab support stands and clamps	Pack	1090	12	7	12	specified in the Site Table /Delivery list/	120	120	
97.	Densimeter set	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
98.	Rectangular magnet	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
99.	Spatula-spoon metal	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
100.	Combustion Spoons: Deflagrating Spoons	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
101.	Crucible holder	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
102.	Allonge	Unit	534	6	3	6	specified in the Site Table /Delivery list/	120	120	
103.	Sparating funnel, stopper	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	

104.	Funnel	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
105.	Funnel	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
106.	Funnel	Unit	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
107.	Buchner funnel № 1	Unit	183	1	2	2	specified in the Site Table /Delivery list/	120	120	
108.	Burette PTFE Stopcock	Unit	871	4	6	11	specified in the Site Table /Delivery list/	120	120	
109.	Büchner flask	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
110.	Glass Capillary Tubes for TLC Spotting /pack/	Pack	161	1	1	2	specified in the Site Table /Delivery list/	120	120	
111.	Glassco Delivery Tube Set	Set	1880	21	11	21	specified in the Site Table /Delivery list/	120	120	
112.	Plastic Vials	Unit	3560	40	20	40	specified in the Site Table /Delivery list/	120	120	
113.	Plastic Vials	Unit	8900	100	50	100	specified in the Site Table /Delivery list/	120	120	
114.	Wash bottle, plastic	Unit	1980	22	12	22	specified in the Site Table /Delivery list/	120	120	
115.	Graduated cylinder	Unit	1980	22	12	22	specified in the Site Table /Delivery list/	120	120	
116.	Petridish	Unit	1980	22	12	22	specified in the Site Table /Delivery list/	120	120	
117.	Ceramic evaporating dish	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	

118.	Ceramic Fire Assay Crucible Melting Pot N3	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
119.	Unisex lab. coat	Unit	2670	30	15	30	specified in the Site Table /Delivery list/	120	120	
120.	Multidishes	Unit	990	11	6	11	specified in the Site Table /Delivery list/	120	120	
121.	Sodium Chloride Model	Pack	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
122.	Alligator clip	Unit	1695	15	10	20	specified in the Site Table /Delivery list/	120	120	
123.	Silicone insulated stranded wires	M	4450	50	25	50	specified in the Site Table /Delivery list/	120	120	
124.	Draining board for dishes	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

Lot 4: Procurement of Substances for the Chemistry and Biology Laboratories

Line Item N°	Description of Goods	Physical unit	Total	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1	acetic acid. AcOH	l	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
2	acetone	l	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
3	Activated carbon. C	kg	18.05	0.15	0.15	0.2	specified in the Site Table /Delivery list/	120	120	
4	Aluminium. Al	kg	42.2	0.3	0.3	0.5	specified in the Site Table /Delivery list/	120	120	
5	Aluminum chloride. AlCl ₃	kg	13.05	0.1	0.1	0.15	specified in the Site Table /Delivery list/	120	120	
6	Aluminum sulfate. Al ₂ (SO ₄) ₃	kg	17.8	0.2	0.1	0.2	specified in the Site Table /Delivery list/	120	120	
7	DL-Alanine	g	720	0	5	10	specified in the Site Table /Delivery list/	120	120	

8	Ammonia(aq). NH ₃ (aq)	1	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
9	Ammonium acetic. CH ₃ COONH ₄	kg	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
10	Ammonium chloride. NH ₄ Cl	kg	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
11	Ammonium dichromate. (NH ₄) ₂ Cr ₂ O ₇	kg	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
12	Ammonium nitrate. NH ₄ NO ₃	kg	65.25	0.5	0.5	0.75	specified in the Site Table /Delivery list/	120	120	
13	Ammonium oxalate. (NH ₄) ₂ C ₂ O ₄	kg	65.25	0.5	0.5	0.75	specified in the Site Table /Delivery list/	120	120	
14	Ammonium thiocyanate. NH ₄ SCN	kg	65.25	0.5	0.5	0.75	specified in the Site Table /Delivery list/	120	120	
15	Ascorbic acid	kg	16.1	0.1	0.1	0.2	specified in the Site Table /Delivery list/	120	120	
16	Barium nitrate. Ba(NO ₃) ₂	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
17	Barium oxide. BaO	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
18	Boric acid. H ₃ BO ₃	kg	10	0.1	0.1	0.1	specified in the Site Table /Delivery list/	120	120	
19	Bromine. Br ₂	kg	10	0.1	0.1	0.1	specified in the Site Table /Delivery list/	120	120	
20	Butyl alcohol. n- C ₄ H ₉ OH	1	152.5	0.5	1	2	specified in the Site Table /Delivery list/	120	120	
21	Calcium carbide. CaC ₂	kg	83	0	1	1	specified in the Site Table /Delivery list/	120	120	

22	Calcium chloride dihydrate. CaCl ₂ * 2H ₂ O	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
23	Calcium carbonate. CaCO ₃	kg	80.5	0.5	0.5	1	specified in the Site Table /Delivery list/	120	120	
24	calcium oxide. CaO	kg	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
25	Calcium sulphate. CaSO ₄	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
26	Copper(II) oxide. CuO	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
27	Copper(II) sulfate pentahydrate. CuSO ₄ *5H ₂ O	kg	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	
28	Copper. Cu	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
29	Copper. Cu	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
30	Copper. Cu	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
31	cotton wool	unit	1805	15	15	20	specified in the Site Table /Delivery list/	120	120	
32	disodium phosphate (anhydrous).Na ₂ HPO ₄	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	

33	Eriochrome Black T	kg	5.17	0.05	0.03	0.06	specified in the Site Table /Delivery list/	120	120	
34	ethanol.C2H5O H	l	644	4	4	8	specified in the Site Table /Delivery list/	120	120	
35	Ferrous chloride hexahydrate. FeCl3 * 6H2O	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
36	Filter paper	kg	90.25	0.75	0.75	1	specified in the Site Table /Delivery list/	120	120	
37	Formalin. CH2O(aq)	l	80.5	0.5	0.5	1	specified in the Site Table /Delivery list/	120	120	
38	fructose	kg	37.1	0	0.3	0.5	specified in the Site Table /Delivery list/	120	120	
39	galactose	kg	7.2	0	0.05	0.1	specified in the Site Table /Delivery list/	120	120	
40	Glucose	kg	40.25	0.25	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
41	Glutamic acid	kg	7.2	0	0.05	0.1	specified in the Site Table /Delivery list/	120	120	
42	glycerin	l	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
43	glycine	kg	41.5	0	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
44	Graphite Rods	unit	3760	42	22	42	specified in the Site Table /Delivery list/	120	120	
45	Hexane	l	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
46	Hydrochloric acid HCl	l	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
47	Hydrogen peroxide. H2O2	l	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	

48	Hydroxylamine hydrochloride. NH ₂ OH * HCl	kg	8.9	0.1	0.05	0.1	specified in the Site Table /Delivery list/	120	120	
49	i-C ₅ H ₁₁ OH	l	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
50	Iodine. I ₂	kg	16.1	0.1	0.1	0.2	specified in the Site Table /Delivery list/	120	120	
51	Iron(III) sulfate. Fe ₂ (SO ₄) ₃	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
52	Iron. Fe	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
53	Isopropyl alcohol	l	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	
54	Lead(II) nitrate. Pb(NO ₃) ₂	kg	17.8	0.2	0.1	0.2	specified in the Site Table /Delivery list/	120	120	
55	Lead. Pb	kg	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	
56	Lithium. Li	kg	13.05	0.1	0.1	0.15	specified in the Site Table /Delivery list/	120	120	
57	Litmus	g	4560	50	30	50	specified in the Site Table /Delivery list/	120	120	
58	lysine	kg	8.3	0	0.1	0.1	specified in the Site Table /Delivery list/	120	120	
59	Magnezium sulphate heptahydrate. MgSO ₄ * 7H ₂ O	kg	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
60	Magnezium sulphate. MgSO ₄	kg	80.5	0.5	0.5	1	specified in the Site Table /Delivery list/	120	120	

61	Magnezium. Mg	kg	17.8	0.2	0.1	0.2	specified in the Site Table /Delivery list/	120	120	
62	malachite.(CuO H)2CO3	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
63	Manganese(IV) oxide. MnO2	kg	20	0.2	0.2	0.2	specified in the Site Table /Delivery list/	120	120	
64	marble pieces	kg	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
65	methyl orange	g	4560	50	30	50	specified in the Site Table /Delivery list/	120	120	
66	Methylen blue	g	2610	20	20	30	specified in the Site Table /Delivery list/	120	120	
67	Mohr's salt	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
68	monosodium phosphate (anhydrous).Na H2PO4	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
69	Nitric acid. HNO3	l	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
70	Ninhydrin	g	1135	0	10	15	specified in the Site Table /Delivery list/	120	120	
71	Lithium chloride. LiCl	g	4560	50	30	50	specified in the Site Table /Delivery list/	120	120	
72	phenol. PhOH	kg	14.4	0	0.1	0.2	specified in the Site Table /Delivery list/	120	120	
73	Phenolphthalein	g	6830	50	50	80	specified in the Site Table /Delivery list/	120	120	
74	phosphoric acid. H3PO4	l	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	

75	Potassium bromide. KBr	kg	26.1	0.2	0.2	0.3	specified in the Site Table /Delivery list/	120	120	
76	Potassium carbonate. K ₂ CO ₃	kg	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
77	Potassium chromate. K ₂ CrO ₄	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
78	Potassium dichromate. K ₂ Cr ₂ O ₇	kg	80.5	0.5	0.5	1	specified in the Site Table /Delivery list/	120	120	
79	Potassium ferricyanide. K ₃ [Fe(CN) ₆]	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
80	Potassium ferrocyanide. K ₄ [Fe(CN) ₆]	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
81	potassium iodate. KIO ₃	kg	26.1	0.2	0.2	0.3	specified in the Site Table /Delivery list/	120	120	
82	potassium iodide. KI	kg	26.1	0.2	0.2	0.3	specified in the Site Table /Delivery list/	120	120	
83	Potassium manganate(VII). KMnO ₄	kg	53.9	0.5	0.4	0.6	specified in the Site Table /Delivery list/	120	120	
84	Potassium nitrate. KNO ₃	kg	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	
85	Potassium thiocyanate. KSCN	kg	65.25	0.5	0.5	0.75	specified in the Site Table /Delivery list/	120	120	
86	Potassium sodium tartrate tetrahydrate	kg	7.2	0	0.05	0.1	specified in the Site Table /Delivery list/	120	120	

87	Potassium. K	kg	10	0.1	0.1	0.1	specified in the Site Table /Delivery list/	120	120	
88	propanol-1. C ₃ H ₇ OH	l	183	1	2	2	specified in the Site Table /Delivery list/	120	120	
89	Silver nitrate. AgNO ₃	kg	26.1	0.2	0.2	0.3	specified in the Site Table /Delivery list/	120	120	
90	sodium acetate. NaOAc	kg	172	1	1.5	2	specified in the Site Table /Delivery list/	120	120	
91	Sodium carbonate. Na ₂ CO ₃	kg	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
92	Sodium chloride. NaCl	kg	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
93	Sodium hydrocarbonate. NaHCO ₃	kg	161	1	1	2	specified in the Site Table /Delivery list/	120	120	
94	Sodium hydroxide. NaOH	kg	261	2	2	3	specified in the Site Table /Delivery list/	120	120	
95	Sodium fluoride	kg	24.4	0.1	0.2	0.3	specified in the Site Table /Delivery list/	120	120	
96	Sodium nitroprusside	kg	4.56	0.05	0.03	0.05	specified in the Site Table /Delivery list/	120	120	
97	Sodium sulphate decahydrate. Na ₂ SO ₄ * 10H ₂ O	kg	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
98	Sodium sulphite. Na ₂ SO ₃	kg	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	

99	Sodium tetraborate decahydrate. Na ₂ B ₄ O ₇ * 10H ₂ O	kg	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
100	Sodium thiosulfate pentahydrate. Na ₂ S ₂ O ₃ .5H ₂ O	kg	80.5	0.5	0.5	1	specified in the Site Table /Delivery list/	120	120	
101	Sodium. Na	kg	23.05	0.2	0.2	0.25	specified in the Site Table /Delivery list/	120	120	
102	standard titres Hydrochloride acid	pack	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
103	standard titres Iodine.I ₂	pack	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
104	standard titres Sodium thiosulfate. Na ₂ S ₂ O ₃	pack	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
105	Starch	kg	50	0.5	0.5	0.5	specified in the Site Table /Delivery list/	120	120	
106	sucrose	kg	139	1.5	1	1.5	specified in the Site Table /Delivery list/	120	120	
107	Sulphur. S	kg	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	
108	Sulphuric acid. H ₂ SO ₄	l	130.5	1	1	1.5	specified in the Site Table /Delivery list/	120	120	
109	TLC Plates UV254	pack	144	0	1	2	specified in the Site Table /Delivery list/	120	120	

110	Trichloroacetic acid. Cl3CCOOH	kg	8.9	0.1	0.05	0.1	specified in the Site Table /Delivery list/	120	120	
111	2Na-EDTA dihydrate	kg	89	1	0.5	1	specified in the Site Table /Delivery list/	120	120	
112	Tin	kg	26.7	0.3	0.15	0.3	specified in the Site Table /Delivery list/	120	120	
113	Trisodium citrate	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
114	trisodium phosphate (anhydrous). Na3PO4	kg	44.5	0.5	0.25	0.5	specified in the Site Table /Delivery list/	120	120	
115	universal indicator paper pH 1-14	pack	856	8	5	10	specified in the Site Table /Delivery list/	120	120	
116	DL-Valine	g	720	0	5	10	specified in the Site Table /Delivery list/	120	120	
117	vaseline	kg	26.1	0.2	0.2	0.3	specified in the Site Table /Delivery list/	120	120	
118	Zinc nitrate. Zn(NO3)2	kg	65.25	0.5	0.5	0.75	specified in the Site Table /Delivery list/	120	120	
119	Zinc. Zn	kg	68.3	0.5	0.5	0.8	specified in the Site Table /Delivery list/	120	120	
120	Eosine	kg	1	0.01	0.01	0.01	specified in the Site Table /Delivery list/	120	120	
121	Immersion oil	l	10	0.1	0.1	0.1	specified in the Site Table /Delivery list/	120	120	
122	Sodium alginate	kg	8.3	0	0.1	0.1	specified in the Site Table /Delivery list/	120	120	

Lot 5: Geography Laboratory Equipment

Line Item N°	Description of Goods	Physical unit	Total quantity	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1.	School compass	Unit	890	10	5	10	specified in the Site Table /Delivery list/	120	120	
2.	School meteorologic al stationary	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
3.	Curvimeter (Odometer)	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
4.	Metal flexible meter	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
5.	Global Positioning Systems (GPS)	Unit	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
6.	Physical laboratory globe of the Earth	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

Lot 6: Physics Laboratory Accessories

Line Item N°	Description of Goods	Physical unit	Total quantity	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1.	Stand, boss and clamp	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
2.	Set of Hooked Masses	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
3.	Pair of quadratic wooden blocks with handle for Friction Experiments	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
4.	Set of quadratic goods different materials (wooden, metallic, plastic)	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	

5.	Friction Rod Kit	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
6.	Alligator Leads (Pack of 10)	Pack	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
7.	Banana Plug clip leads (Pack of 10)	Pack	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
8.	Set of Steel Bar Magnets pairs with iron filings	Set	322	2	2	4	specified in the Site Table /Delivery list/	120	120	
9.	Pair of Steel Horseshoe Magnet with Keeper	Set	322	2	2	4	specified in the Site Table /Delivery list/	120	120	
10.	Capillary tubes	Unit	1000	10	10	10	specified in the Site Table /Delivery list/	120	120	
11.	Plastic Displacement Vessel	Unit	234	4	2	2	specified in the Site Table /Delivery list/	120	120	
12.	Plastic Cylindrical beaker	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
13.	Pair of Metal balls	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
14.	Models of diferent crystallographic gratings	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
15.	Polarizing Filters	Set	576	0	4	8	specified in the Site Table /Delivery list/	120	120	
16.	Color Filters Set	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
17.	Optical fiber	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
18.	Diffraction Grating	Set	288	0	2	4	specified in the Site Table /Delivery list/	120	120	

19.	Plastic Measuring cylinder	Unit	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
20.	Set of flat plates to determine gravity centre	Set	288	0	2	4	specified in the Site Table /Delivery list/	120	120	
21.	Wallpaper: SI system units	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
22.	Wallpaper: Dependence of the resistance of the conductor on temperature	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
23.	Wallpaper: Electromagnetic induction	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
24.	Wallpaper: Resistance: Ohm's law	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
25.	Wallpaper: Induced electromotive force (EMF) of the moving conductor	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
26.	Wallpaper: Electric current: Amount of current	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
27.	Wallpaper: Inductance and self induction	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
28.	Wallpaper: Electromagnetic field	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
29.	Wallpaper: Ohm's law for the closed circuit: EMF	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

Lot:7 Physics Laboratory Equipment

Line Item N°	Description of Goods	Physical unit	Total quantity	Quantity per each list of schools			Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
				List 1 Basic 20 /17/	List 2 Sec 10 /22/	List 3 Sec 20 /61/		Earliest Delivery Date (days from the date of contract signing)	Latest Delivery Date (days from the date of contract signing)	Bidder's offered Delivery date (days from the date of contract signing) [to be provided by the bidder]
1.	Inclined Plane	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
2.	Air Track	Unit	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
3.	Air Flow Generator for Air Track	Unit	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
4.	Gravity lab	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
5.	Timer with two photogates	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
6.	Digital Timer	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
7.	Pendulum Lab	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

8.	Constant Velocity Car	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
9.	Car and Ramp Lab	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
10.	Pair of meterstick	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
11.	Digital micrometer	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
12.	Lever Lab	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
13.	Loop the Loop	Unit	144	0	1	2	specified in the Site Table /Delivery list/	120	120	
14.	Pulley on Rod with Clamp	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
15.	Single Pulley (Painted)	Unit	200	2	2	2	specified in the Site Table /Delivery list/	120	120	
16.	Digital Newton Meter	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
17.	Set of spring dynamometers with different scales	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
18.	Newtonian Demonstrator - Newton's Cradle	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
19.	Digital balance	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
20.	Ball bearings in the wheel	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
21.	Springs Set	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
22.	Aneroid Barometer	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

23.	Manometer	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
24.	Sympathetic Tuning Fork Set	Set	305	1	2	4	specified in the Site Table /Delivery list/	120	120	
25.	Hygrometer with thermometer	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
26.	Wimshurst Machine	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
27.	Electrostatic Equipment Set	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
28.	Electroscope	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
29.	Semiconductors	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
30.	School event timers	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
31.	Parallel Plate Capacitor	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
32.	DC power supply	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
33.	AC/DC Power Supply	Unit	144	0	1	2	specified in the Site Table /Delivery list/	120	120	
34.	Digital Multimeter	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
35.	Apparatus for resistance measurement	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
36.	Rheostat	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
37.	Switch	Unit	556	6	4	6	specified in the Site Table /Delivery list/	120	120	
38.	Resistors group with the component holder	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	

39.	Group of Miniature Bulbs on the holder with clips	Set	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
40.	Voltmeter	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
41.	Ammeter	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
42.	Galvanometer	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
43.	Electrolysis Apparatus	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
44.	Thermometers Group	Set	322	2	2	4	specified in the Site Table /Delivery list/	120	120	
45.	Magnetic needle	Unit	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
46.	Set of devices to investigate Earth's magnetic field	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
47.	Vacuum Pumper Classroom Set	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
48.	Electromagnet	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
49.	Solenoids with cores	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
50.	Oscilloscope	Unit	161	1	1	2	specified in the Site Table /Delivery list/	120	120	
51.	Set for Archimedes Principle Experiment	Set	34	2	0	0	specified in the Site Table /Delivery list/	120	120	
52.	Transformer	Unit	166	0	2	2	specified in the Site Table /Delivery list/	120	120	
53.	Gas Law Apparatus	Unit	144	0	1	2	specified in the Site Table /Delivery list/	120	120	

54.	Heat receiver	Unit	17	1	0	0	specified in the Site Table /Delivery list/	120	120	
55.	Hydraulic machine	Unit	17	1	0	0	specified in the Site Table /Delivery list/	120	120	
56.	Communicating vessels	Unit	51	3	0	0	specified in the Site Table /Delivery list/	120	120	
57.	Calorimeter Cylinder, Al	Unit	356	4	2	4	specified in the Site Table /Delivery list/	120	120	
58.	Laser Ray Box and Lenses	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
59.	Laser Refraction Tank	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
60.	Introductory Optical System	Set	178	2	1	2	specified in the Site Table /Delivery list/	120	120	
61.	Photo Electric Apparatus	Unit	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
62.	Pascal's Demonstrator	Unit	17	1	0	0	specified in the Site Table /Delivery list/	120	120	
63.	Mechanical Wave Accessories Bundle	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
64.	Tension Demonstration Accessory Kit	Set	288	0	2	4	specified in the Site Table /Delivery list/	120	120	
65.	Mini Projectile Launcher	Set	144	0	1	2	specified in the Site Table /Delivery list/	120	120	
66.	Set of capacitors	Set	288	0	2	4	specified in the Site Table /Delivery list/	120	120	
67.	Set of devices for radio receiver	Set	288	0	2	4	specified in the Site Table /Delivery list/	120	120	
68.	Caliper	Unit	161	1	1	2	specified in the Site Table /Delivery list/	120	120	
69.	Signal Generator	Unit	100	1	1	1	specified in the Site Table /Delivery list/	120	120	

70.	Rotating System on Air Bed	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	
71.	Atwood's machine	Set	100	1	1	1	specified in the Site Table /Delivery list/	120	120	
72.	Apparatus to demonstrate Faraday's law and Lenz's law	Set	83	0	1	1	specified in the Site Table /Delivery list/	120	120	

Delivery List 1 (17 Basic schools)

	Name of schools	Address	
1	c. Armavir basic school N 9	Gorki st., 5th Lane, 16 b.	c. Armavir
2	c. Armavir basic school N 3	Komitas st. 27 b.	c. Armavir
3	at basic school N 8 named after G. Nzhdeh	Manushyan st., 2/3b.	c. Vagharshapat
4	c. Armavir basic school N 10	Sayat- Nova st. 2/10 b.	c. Armavir
5	c. Vagharshapat basic school N 11 named after V. Rshtuni	Liditsei st., 11 b.	c.Vagharshapat
6	c. Vagharshapat basic school N 7 named after E. Otyan	V.Sargsyan st., 7/7b.	c. Vagharshapat
7	c. Armavir basic school N 6 named after M. Silikyan	Shahumyan st. 20 b.	c. Armavir
8	c. Vagharshapat basic school N 1 named after Mesrop Mashtots	Baghramayn st., 12 b.	c. Vagharshapat
9	c. Vagharshapat basic school N 3 named after H. Hovhannisyan	Movses Khorenatsi st., 7b.	c. Vagharshapat
10	c. Armavir basic school N 2 named after V. Bakhshyan	Hanrapetutyun st. 26 b.	c. Armavir
11	c. Vagharshapat "Nersisyan" basic school N 6	Movses Khorenatsi st., 101 b.	c.Vagharshapat
12	c. Vagharshapat basic school N 9 named after R. Patkanyan	Orjonikidzei st., 27/1 b.	c. Vagharshapat
13	c. Vagharshapat basic school N 12 named after Zoravar Andranik	Aragats st., 18 b.	c. Vagharshapat
14	c. Vagharshapat basic school N 4 named after Kh. Abovyan	Spandaryan st., 29/1b.	c. Vagharshapat
15	c. Armavir basic school N 8	Abovyan st. 182 b.	c. Armavir
16	c. Armavir basic school N 5 named after A. Ozanyan	Hanrapetutyun st. 29 b.	c. Armavir
17	c. Metsamor basic school N 1	1st District, 32-1/1	c. Metsamor

Delivery List 2 (22 Secondary schools)

	Name of schools	Adress	
1	v. Baghramyan secondary school	P. Sevak st., 18 b.	v. Baghramyan
2	v. Berkashat secondary school	1st st., 33 b.	v. Berkashat (Metsamor)
3	v. Bagaran secondary school	G. Marzpetuni 4th st., 6/1 b.	v. Bagaran
4	v. Lusagyugh secondary school	A. Khanjyan st., 1 b.	v. Lusagyugh
5	v. Jrashen secondary school	12th st., 2 b.	v. Jrashen
6	v. Dasht secondary school	Tsakhik st., 30 b.	v. Dasht
7	c. Armavir Military and Sports Specialized College named after Tigran Mets	Abovyan st., 149 b.	c. Armavir
8	v. Nor Amasia secondary school	1st st., 42 b.	v. Amasia
9	v. Margara secondary school	6/1 st., 2 b.	v. Margara
10	v. Mrgastan secondary school named after K. Harutyunyan	1st st., 15 b.	v. Mrgastan
11	v. Vardanashen secondary school named after M. Minasyan	1st st., 24 b.	v. Vardanashen
12	v. Hovtamej secondary school	Mashtots st., 1 b.	v. Hovtamej
13	v. Shenik secondary school	M. Melkonyan st., 7 b.	v. Shenik
14	v. Haykavan secondary school	29th st., 22 b.	v. Haykavan
15	v. Araks secondary school	Dro st., 6 b.	v. Araks (Vagharshapat)
16	v. Doghs secondary school	Shiraz st., Lane, 1 b.	v. Doghs
17	v. Artashar secondary school	3rd st., 3rd Lane, 5 b.	v. Artashar
18	v. Artimet secondary school	Charents st., 45 b.	v. Artimet
19	v. Tsaghkalanj secondary school	4th st., 7 b.	v. Tsaghkalanj
20	v. Araks secondary school named after Z. Avetisyan	M. Khachunts st., 21 b	v. Araks (Armavir)
21	v. Metsamor secondary school	Mashtots st., 8 b.	v. Mersamor
22	v. Vanand secondary school	P.Sevak st., 6 b.	v. Vanand

Delivery List 3 (61 Secondary schools)

	Name of schools	Address	
1	v. Ptghunk secondary school named after Tigran Mets	H. Shiraz st., 46 b.	v. Ptghunk
2	v. Nor Artagers secondary school	1st st., 43 b.	v. Nor Artagers
3	v. Arazap secondary school named after T. Huryan	6th st., 1 b.	v. Arazap
4	v. Shahumyan secondary school	Ishkhan Harutyunyan st., 1st Blind alley, 4 b.	V. Shahumyan
5	v. Shenavan secondary school	20th st., 1 b.	v. Shenavan
6	v. Aygeshat secondary school	Mayisyan st., 15 b.	v. Aygeshat (Vagharshapat)
7	v. Aknashen secondary school	Aygegortsner st., 2 b.	v. Aknashen
8	v. Lenughi secondary school named after Jivani	7th st., 38 b.	v. Lenughi
9	v. Aygeshat secondary school named after Y. Hovhannisyan	9th st., 4 b.	v. Aygeshat
10	v. Aygevan secondary school named after M. Khorenatsi	5th st., 1st Lane, 13 b.	v. Aygevan
11	v. Mayisyan secondary school	1st st., 27 b.	v. Mayisyan
12	v. Noravan secondary school	9th st., 1 b.	v. Noravan
13	v. Yeraskhahun secondary school	1st st., 21 b.	v. Yeraskhahun
14	v. Nor Kesaria secondary school	14th st., 20 b.	v. Nor Kesaria
15	v. Nor Armavir secondary school	Mashtots st., 14 b.	v. Nor Armavir
16	v. Karakert secondary school N 2	Hrachya Kochar st., 4 b.	v. Karakert
17	v. Amberd secondary school named after H. Navasardyan	Haghtanak st., 28 b.	v. Amberd
18	v. Griboyedov secondary school named after V. Rostomyan	Nar-Dos st., 1 b.	v. Griboyedov
19	v. Arevashat secondary school	Yerevanyan Highway, 26 b.	v. Arevashat
20	v. Norapat secondary school	7th st., 32 b.	v. Norapat
21	v. Apaga secondary school	Vagharshapat Highway, 2 b.	v. Apaga
22	v. Zartonk secondary school	12th st., 4 b.	v. Zartonk
23	v. Khanjyan secondary school named after A. Hakobyan	13th st., 1 b.	v. Khanjyan
24	v. Alashkert secondary school named after H. Kochar	2nd st., 10b.	v. Alashkert
25	v. Tandzut secondary school	12th st., 2 b.	v. Tandzut
26	v. Hatsik secondary school named after A. Baghdasaryan	1st st., 26 b.	v. Hatsik
27	v. Aygek secondary school named after Mushegh Movsisyan	1st st., 1/1 b.	v. Aygek
28	v. Yeghegnut secondary school	3rd st., 22 b.	v. Yeghegnut
29	v. Taronik secondary school named after G. Garnikyan	G. Garnikyan st., 23 b.	v. Taronik
30	v. Getashen secondary school	1st st., 17 b.	v. Getashen
31	v. Lukashin secondary school named after H. Avetisyan	Hunan Avetisyan st., 37 b.	v. Lukashin
32	v. Voskehat secondary school	Mashtots st. 1/4 b.	v. Voskehat
33	v. Geghakert secondary school	M. Mashtots st., 22 b.	v. Geghakert
34	v. Aratashen secondary school named after G. Grigoryan	M. Mashtots st., 6 b.	v. Aratashen
35	v. Aragats secondary school named after M. Mekhakyan	5th st., 12 b.	v. Aragats
36	v. Tsiatsan secondary school	1st st., 2 b.	v. Tsiatsan
37	v. Pshatavan secondary school	17th st., 33 b.	v. Pshatavan
38	v. Karakert secondary school N 1	Tumanyan st., 2 b.	v. Karakert
39	v. Argavand secondary school	1st st., 17 b.	v. Argavand
40	v. Khoronk secondary school	V. Teryan st., 1 b.	v. Khoronk
41	v. Lernagog secondary school named after O. Pakumean	Hrant Dink st., 18 b.	v. Lernagog
42	v. Janfida secondary school named after Ed. Dashtoyan	6th st., 2/1 b.	v. Janfida

43	v. Mrgashat secondary school N 2 named after M. Mghakyan	19th st., 26 b.	v. Mrgashat
44	v. Armavir secondary school	1st st., 1 b.	v. Armavir
45	v. Musaler secondary school named after F. Werfel	Mesrop Mashtots st., 14 b.	v. Musaler
46	v. Haytagh secondary school named after H. Karapetyan	Hovhannes Baghramyan st., 7 b.	v. Haytagh
47	v. Aghavnatun secondary school named after Gh. Abgaryan	Shahumyan st., 1 b.	v. Aghavnatun
48	v. Jrrarat secondary school named after T. Khachatryan	Isahakyan st., 2 b.	v. jrrarat
49	v. Bambakashat secondary school	Kentronakan st., 33 b.	v. Bambakashat
50	v. Norakert secondary school	Komitas st., 4 b.	v. Norakert
51	v. Baghramyan secondary school	Komitas st., 47 b.	v. Baghramyan (Vagharshapat)
52	v. Aknalich secondary school named after A. Harutyunyan	Azatomartikner st. 21 b.	v. Aknalich
53	v. Dalarik secondary school named after H. Hovhannisyan	Komitas st., 23 b.	v. Dalarik
54	v. Arshaluys secondary school named after S. Grigoryan	20th st., 22 b.	v. Arshaluys
55	v. Gai secondary school	Khachatryan st., 2 b.	v. Gai
56	v. Arevik secondary school	20th st., 4 b.	v. Arevik
57	v. Merdzavan secondary school	Masis st., 4 b.	v. Merdzavan
58	v. Myasnikyan secondary school named after Ara	Gagarin st., 2 b.	v. Myasnikyan
59	v. Nalbandyan secondary school named after Berjouhi and Armen Nallpatians	3rd st., 4 b.	v. Nalbandyan
60	v. Tairov secondary school	Charents st., 2 b.	v. Tairov
61	v. Sardarapat secondary school	Abovyan st., 65 b.	v. Sardarapat

2. List of Related Services and Completion Schedule – Lot 1-7

Service	Description of Service	Quantity	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
1	Assembling at the Final Destination Points	N/A		Final Destination Points	1 week after Delivery and Inspection*

***Inspection on correspondence to the Technical Specifications offered in the Supplier's Bid (Conformity to the Technical Specifications) and on physical conditions (Defects and Damages Inspection) at the premises of the Supplier before delivery to the final destination points for the five sample.**

3. Technical Specifications

All goods should be new and unused. The Supplier should present warranty for the goods (Lots 1-3 and 5-7) with the minimum period of 12 (twelve) months. It is required to present user guidelines and technical documents of goods, also documents provided by the Manufacture to ensure the conformity of technical and functional parameters of the presented goods' to the required Technical Parameters. The Model, Manufacturer and Country must be specified for each product.

Lot 1: Biology and Chemistry Laboratory Equipment

Line Item N°	Description of Goods			Total quantity	PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
	Name	Technical Specifications and Standards	Availability of the Manufacturer Authorization Form/ (Yes/No)		
1.	Alcohol Thermometer	Measurement range: 0 - 150°C Minimum scale: 1°C	No	1980	
2.	Aquarium with filter and air pump	50L approx. 50 x 25x 30 cm Water filter filtering capacity-approx. 100 l/h, air pump-110-130 l/h	No	100	
3.	Binocular Microscope	Brightfield, binocular with double layer stage; objectives 4x, 10x, 40x, 100x Illumination: Light source type: white LED; with light intensity control Focusing: Coaxial coarse and fine focusing mechanism (graduated, 0.002 mm) with upper stop, to prevent the contact between objective and specimen. Adjustable	Yes	990	

		<p>tension of coarse focusing knob. Stage: Double layer with mechanical sliding stage, size approx. 125 x 116 mm, X-Y movement range approx. 76 x 30. Specimen holder for one slide. Vernier scale on the two axes, accuracy 0,1 mm. Nosepiece: Quadruple revolving nosepiece Head Binocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment approx. 48 - 75 mm Eyepieces. Widefield eyepieces WF10X/18 with field number 18 mm. Condenser: Abbe condenser, N.A. 1.25 precentered. Instruction manual and dust cover shall be included. Shall include: - the Eyepiece reticule-10x - Stage micrometer</p>			
4.	Eyepiece reticule	Compatible with Binocular microscope, 10x	No	990	
5.	Stereo microscope	20X and 40X stereo magnification settings, high quality widefield optical glass lenses, forward widefield binocular head, sturdy pillar stand with metal framework, built-in incident (top) and transmitted (bottom) lights	Yes	990	

6.	Stage micrometer	For binocular microscope	No	803	
7.	Blood glucose meter, with test strips	Glucose Test Range - 20-600 mg/dL, Result Calibration - Plasma-Equivalent, Test Time- 5 seconds, Sample Size- 0.6 μ L, Operating Temperature - 5°C- 45°C, Operating Humidity- 10-90% RH, Memory capacity- at least 200 tests, Battery Type - 3V Li-Battery (CR2032 or equivalent) X 1, Battery Life – approx. 1,000 tests, Meter Dimensions – approx x. 85 X 52 X 15 mm, LCD Size - 42 X 39 mm, Meter Weight - approx. 50g. Test strips , pack of 50	Yes	100	
8.	Classroom DNA Electrophoresis Lab Station	Complete Electrophoresis system 1. Electrophoresis Apparatus-UV-transparent bottom, 2 comb positions, gel size 10 x 10 cm; made of UV and chemical resistant Plexiglas; Including safety plug with integrated power connections and comb with 12 pockets. 2. Electrophoresis Power supply- Stabilized power supply for both DNA and protein separation. Adjustable output voltage, timer with alarm function, two outputs for connecting of at least 2 electrophoresis chambers simultaneously.	Yes	83	

		Max. output voltage: 300 Volt (in 50 Volt stages), Max. output current: 400 mA, Max. power consumption: 60 Watt, Input voltage: 100 – 240 Volt, AC. Timer function: 1-999 min. with alarm function, 3.Gel visualization system Gel electrophoresis kit-for at least 8 groups			
9.	Gel electrophoresis kit	Compatible with gel visualization unit of electrophoresis system, for at least 8 groups of students	Yes	83	
10.	Digital scales	Automatic calibration, Max. Range: Up to 200 g Resolution: $\pm 0,01g$ Calibration, TARA, units conversion, Power: 220V/50Hz,	Yes	990	
11.	Digital scales	Automatic calibration, Max. Range: Up to 500 g Resolution: $\pm 0,1g$ Calibration, TARA, units conversion, Power: 220V/50Hz,	Yes	378	
12.	Digital Analytical scales	Automatic calibration, Max. Range: Up to 200 g Resolution: $\pm 0,001g$ Calibration, TARA, units conversion, Power: 220V/50Hz,	Yes	100	
13.	Finger Tip Pulse oximeter	For measuring of SpO2 and Pulse Rate accurately, SpO2 and Pulse Rate display, Pulse Rate waveform and bar graph display, Battery voltage low indication, OLED	Yes	534	

		display (two color), Four directions and six modes, Shut off automatically when no signal			
14.	Biology data collection and graphing set	<ul style="list-style-type: none"> • LabQuest 3 • Stainless Steel Temperature Probe • Go Wireless® Heart Rate • Go Direct® Gas Pressure Sensor • Go Direct® CO2 Gas Sensor • Go Direct® O2 Gas Sensor • Go Direct® Conductivity Probe • Go Direct® pH Sensor • Colorimeter • Go Direct® Optical Dissolved Oxygen Probe • Go Direct® EKG Sensor • BioChamber 250 • BioChamber 2000 • Go Direct® Respiration Belt or equivalent set 	Yes	83	
15.	Chemistry data collection and graphing set	<ul style="list-style-type: none"> • LabQuest 3 • Stainless Steel Temperature Probe • Go Direct® pH Sensor • Go Direct® Gas Pressure Sensor • Voltage Probe • Go Direct® Conductivity Probe • Drop Counter • Constant Current System • ORP Sensor • Go Direct® SpectroVis® Plus Spectrophotometer. or equivalent set 	Yes	83	

16.	Software	Software for biology and chemistry data collection and graphing sets (N14 and N15)	Yes	83	
17.	Magnifying glass	Magnification x8, glass, 75 mm, handheld	No	890	
18.	MicroCentrifuge	For quickly spinning down and mixing solutions during DNA electrophoresis and PCR experiments; Maximum speed 6,000 rpm/2,000 x g, Safe on/off switch, Starts and stops in seconds, Capacity for 6 x 1.5/2.0 ml tubes	Yes	83	
19.	Stopwatch	Shows month, date, week, hour, minute and second, approx. 3.5cm , 1/100 chronograph up to 23 hours, 59 minutes, 59 second, 1x AG13 button cell battery operation (battery is included)	No	1710	
20.	Water distiller	5 l/h, 220V stainless steel with carboy with spigot and screw closure, made of strong, scratch-resistant polypropylene with excellent chemical resistance and capacity of min 10 L	Yes	100	
21.	Alcohol burner	Glass, 125 ml, plastic cap	No	1880	
22.	Liebig condenser	l= 30-35 cm, 14/14, glass	No	534	
23.	Water Vacuum Pump	Glass Size:40 x 30 x 24 mm	No	300	
24.	Magnetic stirrer, Hot Plate, magnetic stir bar	Hot Plate, magnetic stir bar HS-12, Magnetic stirrer with hot pot (Max temperature: 280°C) with Detachable foot-long support bar with clamp to allow	Yes	466	

		<p>easy, secure placement of a thermometer or pH probe.</p> <p>Enclosed cast aluminum heating surface to resists chemical spills.</p> <p>Sturdy turn dials (one for temperature controls and one for stirring speed controls)</p> <p>Max. stirring quantity of H₂O at least 1 L.</p> <p>Speed: 0-1600 r.p.m</p> <p>3pcs of Mixed size (C5/B6 * 15 mm, C6/B7 * 20 mm, C6/B8 * 25 mm/) PTFE magnetic stir bar</p>			
25.	Long Lighter	Filled with liquid-gas Length: 270±30 mm	No	400	
26.	Flame Gun with 1 Butane Canister	Butane fuel refill 8 oz	No	200	

***The electronic version of this list in word format should be provided in the Bid**

Lot 2: Electrical Equipment and appliance for Biology, Chemistry and Physics Laboratories

Line Item N°	Description of Goods			Total quantity	PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
	Name	Technical Specifications and Standards	Availability of the Manufacturer Authorization Form (Yes/No)		
1.	Electric kettle	1.7-1.8 l, 220V	No	100	
2.	Portable gas burner with Automatic Electronic Ignition	Portable, high-performance butane stove. For Indoor Commercial Use, shall have the High-Impact Carrying Case. Automatic Electronic Ignition, with Safety stop to prevent overheating. To boil up to 500 ml water for 30 min.	No	990	
3.	Single Electric Hot Plate	220V, 1500 W, Cast iron burner size: 18.5±3.5cm	No	612	
4.	Refrigerator	Standard Doors: 2 Freezer layout: Upper Freeze system: Defrost Total volume: 140±5 l Fridge capacity: 100±5 l Freezer capacity: 40±5 l Power consumption class: A+ Maximum degree of cooling (C): -18	Yes	100	
5.	Electric oven	Kitchen, 220V, 40±3 l, 250-350 °C Item height 32 ±3 cm: Net weight 10.8±3,2 kg	Yes	100	
6.	Round electric heating plate	220-230 V, Safety temperature is 50-320°C, diameter: approx. 135mm - 200 mm.	Yes	178	

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Lot 3: Accessories and appliance for Biology and Chemistry Laboratories

Line Item N°	Description of Goods			Total quantity	PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
	Name	Technical Specifications and Standards	Availability of the Manufacturer Authorization Form (Yes/No)		
1.	Anatomical joint models with ligaments: the hip joint, shoulder joint, knee joint, hand and foot	These life size models shall allow for demonstration of basic joint anatomy and movement of the joints. The ligaments shall be made of flexible, transparent plastic. The anatomy models shall be possible to mounted on a stand for ease of display, and shall be removed from the stand allowing the models to be handled for closer study.	Yes	100	
2.	Basin	Plastic 10±0.5 l	No	100	
3.	Basin	Plastic 5±0.5 l	No	100	
4.	Beaker	Heat resistant, glass, 100 ml	No	1880	
5.	Beaker	Heat resistant, glass, 500 ml	No	990	
6.	Beaker	Heat resistant, glass, 50 ml	No	7710	
7.	Beaker	Heat resistant, glass, 150 ml	No	1880	
8.	Beaker	Heat resistant, glass, 1000 ml	No	200	
9.	Beaker	Heat resistant, glass, 250 ml	No	1880	
10.	Biology Dissecting tool set	Set shall include the stainless steel and chrome instruments surgical scissors with one sharp and one blunt tip fine point iris scissors curved tip locking mosquito forceps	No	990	

		fine point straight forceps with guide pin fine point curved forceps with guide pin scalpel handle scalpel blades one-piece wide-blade scalpel probe and seeker Straight tip teasing needle Curved tip teasing needle			
11.	Biology Dissection Pan	Pan with reusable rubber pad. Size: approx. 25 x 18 cm - 32 x 23 cm	No	990	
12.	Bunsen Burner Gauze Mats	~150*150 mm, asbestos free	No	1880	
13.	Cover glasses	18x18x 0,13-0,16 mm, 200 pieces in a box	No	356	
14.	DNA Fingerprinting Classroom Kit	DNA size standard (HindIII lambda DNA digest), at least 100 µl Crime scene DNA, at least 60 µg Suspect DNA, at least 60 µg EcoRI/PstI restriction enzyme, lyophilized, at least 3,000 units Sample loading buffer, 1 ml Electrophoresis buffer, 50x TAE, at least 100 ml Sterile water, at least 2.5 ml Agarose powder, at least 5 g Fast Blast™ DNA Stain, 500x, at least 100 ml Colored microcentrifuge tubes, 2.0 ml, at least 60 items Microcentrifuge tubes, 1.5 ml – at least 30 items Foam floats – at least 8 Curriculum, including Teacher's Guide, Student Manual, and graphic Quick Guide	Yes	83	
15.	DNA model kit	At least 900 mm high 3D model that accurately depicts DNA structure, including complementary base pairs and sugar-phosphate backbone.	Yes	100	
16.	Emergency eye washer	Wall Mounted Eye Wash Kit/ Stainless Steel Emergency Eyewash Unit Eye Washer Shower/ Dimensions: at least 36 x 50 x 10 cm	Yes	100	

17.	Eppendorf tube	Plastic, 1.5 ml	No	7200	
18.	Eppendorf tube	Plastic, 5 ml	No	178000	
19.	First aid kit	Antiseptic Spray min. 50 ml, medical alcohol (min. 50 ml), Ammonia solution (min. 50 ml), Hemostatic (packets of 15gx5), anti-burn cream or gel (min 25 g), activated carbon (min 70 ml or 10 pills), bandage (min 50), sterile bandage (approx. 10 cm x 5 m), sterile gauze (16 x 14 cm), antiseptic wipes (x20), medical tweezers (x1), medical Adhesive Plaster (approx. 2.5 cm x 5 m), Tourniquet (x1), Bactericidal Adhesive Plaster (min.x50)	No	100	
20.	Fire extinguisher	4-6kg	Yes	200	
21.	Glass Vials	With plastic Screw Cap, 20 ml, dark	No	3560	
22.	Glass Vials	With plastic Screw Cap, 50 ml, dark	No	7880	
23.	Glass Vials	With plastic Screw Cap, 100 ml	No	7880	
24.	Gloves	S size, nitrile, powder free, pack of 100	No	400	
25.	Gloves	M size, nitrile, powder free, pack of 100	No	417	
26.	Gloves	L size, nitrile, powder free, pack of 100	No	417	
27.	Graduated cylinder	Glass,100 ml	No	2136	
28.	Graduated cylinder	Glass, 25 ml	No	2136	
29.	Human Body Model	Model Tall: 45cm (at least); Gender: Unisex; Material: PVC Plastic; Detachable torso human anatomy model with enough details. 23 Parts & Organs (at least): Divided into 23 pieces: torso, female thorax, head, eyeball, brain, a spinal nerve, lung (2 pieces), heart (2 pieces), liver, kidney, stomach (2 pieces), intestine (4 pieces), male reproductive organs (2 pieces), female reproductive organs with fetuses (3 pieces). Vivid Details: The human anatomy model shall show the relative positions, morphological characters, anatomical structures of the head, neck, and internal organs with particular reference to	Yes	100	

		respiratory, digestive, urinary, and nervous systems. Move & Use: This human body model shall have a base to support the torso model, stably stand on the tabletop. It shall possible to move or carry for classroom teaching easily.			
30.	Human Skeleton Model	<p>Full size skeleton shall include a spine model with and cartilage connections, an anatomical skull model, detachable arms and legs, and a wheeled support stand to hold the min tall 178 cm tall human body model; The set also includes a laminate poster of bones in skeletal system model.</p> <ul style="list-style-type: none"> • The skeletal model shall include an anatomically accurate human skull model with detachable jaw and skull cap, spine model with cartilage connections and artery and nerve branches, pelvic model, and arms and legs; <p>The skeleton anatomy model shall be able to replicate natural movements at the joints;</p> <ul style="list-style-type: none"> • Arms, legs, and anatomy skull model are removable for individual study; The removable skeleton skull cap shall offer a deeper look into the human skull model to review the endocranium cavity and sinus cavities • The skeleton figure shall be numbered to help locate various bones and areas; • Shall be Constructed of high quality PVC. The articulated skeleton prop shall include a metal stand with plastic castor wheels and a laminate poster detailing at least 170 anatomical skeleton landmarks. 	Yes	100	
31.	Human skin model	<p>Skin Model Material: Plastic, Dimension: at least. 20 x 9.5 x 21 cm.</p> <p>This model shall show human skin layers and hair structures at different depth, showing hair, hair follicles, fatty glands, sweat glands, skin receptors, nerves and blood vessels.</p>	Yes	356	
32.	Inoculation needle	<p>Sterile, metallic, for bacteriological studies</p> <p>with rode length of min 220 mm</p>	No	556	

33.	Insect collecting net	Outer diameter approximately to 300 mm net ring for collection, 600 mm net depth, 2 mm net hole. Telescopic handle shall be lockable. Handle shall extend from 400 mm to 1500 mm.	No	100	
34.	Laminated poster, cells	At least 585x890 mm, prokaryotic, animal and plant cell structures	No	100	
35.	Laminated poster, Evolution Tree of Life Poster	At least 585x890 mm, shall show evolution tree of life, laminated	No	100	
36.	Laminated poster, plant structure and processes	At least 585x890 mm, shall show plant structure and processes	No	100	
37.	Laminated poster, protist diversity	At least 585x890 mm, shall show protist diversity	No	100	
38.	Magnetic stir bar set	15 mm, 20 mm, 25 mm PTFE magnetic stir bars, pack of 5 each	No	100	
39.	Male Genital Organ Model	Dimensions and Easy Assembling - 8.6" x 4.57x 3.1"(22 x 18 x 8 cm), easy mounting by magnets. Life-size male genital organs model consisting of five parts is passed through the median sagittal plane showing the Penis, Prostate, Seminal Vesicle, Spermtic Cord, Testicle, Rectum, Anus and Male Pelvic Muscles. 5 detachable parts are half bladder with prostate (1) penis (2) left and right median sectioned main piece with rectum (2).	Yes	100	
40.	Micro Respirometer	Used to study the gas exchanges during respiration. Can be used to measure the uptake of oxygen by an organism during respiration and/or the carbon dioxide evolved. Includes a rod for fixing on a retort stand. Dimensions of board (LxH): approx. 400 x 150 mm.	No	432	
41.	Microscope slides	76x26x1 mm, 50 pieces in a box, cut edges	No	356	
42.	Microscope slides set for general biology	Prepared slides containing <ul style="list-style-type: none"> • Mitosis • TS stem, TS root and TS leaf of, for 	No	990	

		<p>example, dicotyledonous mesophyte (such as Ligustrum or Prunus or local equivalent), maize, rice, sorghum, wheat, xerophyte leaves</p> <ul style="list-style-type: none"> • LS stem, LS root to show xylem vessel elements and sieve tube elements and companion cells • TS trachea, TS bronchus, TS bronchioles <p>animal tissues</p> <ul style="list-style-type: none"> • TS lungs to show alveoli • TS artery, TS vein • Blood smear • Animal and plant cells • Meiosis • TS anther, TS ovule • Pollen • Stamen and stigma of wind-pollinated and insect-pollinated plants • VS maize fruit • TS pancreas • TS kidney • TS spinal cord • TS ovary, TS testis • Examples of organisms representing the three kingdoms; Protoctista (e.g. Amoeba, Euglena or locally available equivalents); Prokaryotae (e.g. bacterial smear, cyanobacteria); Fungi (e.g. yeast, Penicillium) 			
43.	Model flower with fruit	The model shall show the blossom of a flower (3-parts) enlarged at least 7 times and the fruit enlarged at least 3 times. The flower can be split into two halves to reveal the removable ovary (with visible ovule) with style and stigma. Dimensions: approx. 20x22x26.5 cm	Yes	100	
44.	Model of human brain	Shows the brain structure inside the skull. Two halves brains can be disassembled into: frontal with parietal lobes, temporal with occipital lobes, half of brain stem, half of cerebellum. Dissectible into 9 parts, life-size.	Yes	100	
45.	Model of human spinal cord	The Spinal cord model shall illustrate the structure of the spinal cord, magnified to a scale of about 5:1. The base of the model features shall illustration of the various cross-sections of the spinal cord	Yes	100	

		through the white and gray matter at the neck, torso and lumbar and sacral regions. The Spinal Cord Model with Nerve Endings shall be situated on a sturdy base.			
46.	Models of fetal development, set	Includes at least 8 realistic Life/form reproductions; Material: PVC Material Size at least: 1st month embryo (W x H x T): Approx. 8 x 11 x 9 cm/3.15 x 4.33 x 3.54 inch - 2nd month embryo(W x H x T): Approx. 11 x 9 x 8 cm/4.33 x 3.54 x 3.15 inch - 3rd month embryo (W x H x T): Approx. 10.5 x 9 x 8 cm/4.13 x 3.54 x 3.15 inch - 4th month fetus (W x H x T): Approx. 15 x 13.5 x 6 cm/5.91 x 5.31 x 2.36 inch - 5th month twins fetus (W x H x T): Approx. 15.5 x 20.5 x 8.5 cm/6.10 x 8.07 x 3.35 inch - 6th month fetus (W x H x T): Approx. 16 x 14.5 x 6.5 cm/6.30 x 5.71 x 2.56 inch - 7th month fetus (W x H x T): Approx. 14 x 25 x 8.5 cm/5.51 x 9.84 x 3.35 inch - 8th month fetus (W x H x T): Approx. 13 x 24 x 9 cm/5.12 x 9.45 x 3.54 inch	Yes	100	
47.	Models of sensory organs - eye, ear, set	Ear Model, 4x, approx. 360x150x220 mm, outer, middle, inner ear sections, Eye Model - 6 parts, approx. 150 mm in diameter	Yes	356	
48.	Molecular Model Set	Package shall Include: 45 x Hydrogen, 46 x Carbon, 14 x Oxygen, 4 x Nitrogen, 3 x Metal Atoms, 4 x Phosphorus, 2 x Sulfur, 8 x Chlorine, 12 x Pi Orbitals, 18 x P Orbitals, 60 x Single Bonds, 30 x Long/Double Bonds, 60 x Short Single Bonds, 1 x Bond Removal Tool Specifications: Material: PP (atomic), LDPE (connection key). Color: White/Black/Purple/Green/Sky Blue/Red/Yellow/Silver Grey/Pink/Beige/White Gray/Translucent	No	990	
49.	Mortar and pestle	Porcelain, ~150 ml	No	1710	

50.	Pasteur Pipets, plastic	Disposable Transfer Pipettes/ Plastic Graduated Pasteur Pipette/ Dropper Polyethylene, 2 ml	No	111700	
51.	Graduated Pipets	Glass, 10 ml	No	3760	
52.	Graduated Pipets	Glass, 5 ml	No	1880	
53.	Photosynthesis kit	For Introductory school investigations of photosynthesis, for at least 8 groups of students	Yes	83	
54.	Automatic adjustable pipettes, set	3-pack, 2-20 uL/20-200 uL/100-1000 uL	Yes	144	
55.	Pipettes tips for automatic adjustable pipettes with tip holder refill system, for each type of pipette in the automatic adjustable pipettes' set.	Crystal, 10 μ l-1000 μ l, natural, min box of 96/ one box for each type	No	144	
56.	Plastic cup	~200 ml, Polypropylene	No	8900	
57.	Plastic eye protection glasses	Plastic	No	1880	
58.	Roulette Meter	3 m	No	456	
59.	Scalpel	Reusable all-metal, one-piece overall length approx. 150 mm, cutting edge 38-40 mm long	No	1880	
60.	Scissors	15 \pm 3 cm	No	1880	
61.	Serving Tray Rectangular	Material: Polypropylene (PP) Length: 400-425 mm Width: 300-330 mm Height: 15-20 mm	No	1880	
62.	Syringe plastic	5 ml	No	3760	
63.	Syringe plastic	10 ml	No	3760	
64.	Syringe plastic	20 ml	No	1880	
65.	Test tube	Heat resistant, glass, 20 x 180 mm,	No	32200	

66.	Test tube	Heat resistant, glass, 15 x 160 mm,	No	26700	
67.	Test tube brush	M:240 mm x 13 mm	No	1591	
68.	Test tube brush	L:270 mm x 15 mm	No	990	
69.	Test Tube Stands	23 mm, 10-12 Place/Holes	No	2136	
70.	Test Tube Stands	16 mm, 10-12 Place/Holes	No	2136	
71.	Test Tube Holder	with sliding collar and wooden handle, accepts tubes 15-25 mm	No	990	
72.	Tweezers	Stainless Steel Straight Tweezers-Head, 16 cm	No	1880	
73.	Visking tubing	A cellulose based, selectively permeable material, in tube form, Molecular weight cut off (MCO) 12000-14000Da 14-25 mm diameter. 5m length	No	161	
74.	Visking Tubing Clips	Thickness: 6 mm. Width: 11 mm. Pack of 10.	No	100	
75.	Conical flask	Heat resistant, glass, 100 ml	No	1980	
76.	Conical flask	Heat resistant, glass, 250 ml	No	1980	
77.	Round bottom flask, standard taper joint outer 29	Heat resistant, glass, 250 ml	No	990	
78.	Conical Flask, Erlenmeyer, standard taper joint outer 29 and stopper	Heat resistant, glass, 250 ml	No	1490	
79.	Round bottom flask, Standard taper Joint outer 14,5	Heat resistant, glass, 100 ml	No	990	
80.	Volumetric flask with stopper	Glass, 2000 ml	No	200	
81.	Volumetric flask with stopper	Glass, 500 ml	No	1000	
82.	Volumetric flask with stopper	Glass, 250 ml	No	356	

83.	Volumetric flask with stopper	Glass, 50 ml	No	356	
84.	Volumetric flask with stopper	Glass, 1000 ml	No	200	
85.	Volumetric flask with stopper	Glass, 100 ml	No	3560	
86.	Rubber conical stopper 14,5, 1-hole	d= Large 15 / Small 11 mm 1-hole d= 5-6 mm	No	5340	
87.	Rubber conical stopper 14,5	d= Large 15 / Small 11 mm	No	17800	
88.	Rubber conical stopper 19	d= Large 20 / Small 15 mm	No	17800	
89.	Rubber conical stopper 19, 1-hole	d= Large 20 / Small 15 mm 1-hole d=5-6 mm	No	3560	
90.	Pipette Filler	3 Valves Rubber, 50 ml	No	1880	
91.	Silicone hose	6 mm /the inside diameter of the cross-section of the hose/, outside diameter of the tube 7 ± 10 mm	No	1780	
92.	Silicone hose	2 mm /the inside diameter of the cross-section of the hose/, thickness of the tube wall 1,5 mm	No	1780	
93.	Silicone Vacuum Hose	5 mm /the inside diameter of the cross-section of the hose/, outside diameter of the tube 6 ± 10 mm	No	890	
94.	Standard Glass Claisen Adapter	Standard Taper Joint up outer 14.5/up outer 14.5/up inner 14.5/ down inner 29	No	990	
95.	Glass Stirring Rod Stir Stick	h = 20-25 cm, d =4-5 mm	No	3560	
96.	Lab support stands and clamps	Material: Iron Base size: 8.66"x 5.90" Length of pole : 60CM/23.62", 1 x Base, 1 x Pole, 1 x triangular clip, 2 x beakers clip, 3 x hoops, 3 x Cross clips	No	1090	
97.	Densimeter set	Hydrometer, (areometer) densimeter ~0.7-1.9 g/cm ³ package content: 1pcs 0.7-0.8, 1pcs 0.8-0.9, 1pcs 0.9-1.0, 1pcs 1.0-1.1, 1pcs 1.1-1.2, 1pcs 1.2-1.3, 1pcs 1.3-1.4, 1pcs 1.4-1.5, 1pcs 1.5-1.6, 1pcs 1.6-1.7, 1pcs 1.7-1.8, 1pcs 1.8-1.9 glass densitometers	No	100	

98.	Rectangular magnet	Small, rectangular, 1,5/1,5/5 cm	No	990	
99.	Spatula-spoon metal	spoon-ended, stainless steel, 150 mm	No	990	
100.	Combustion Spoons: Deflagrating Spoons	metal, 450 mm, spoon 10-15 mm	No	990	
101.	Crucible holder	9 cm, metal	No	990	
102.	Allonge	Vacuum distillation adapter, 105 degree, Standard Taper Joint outer 14,5/ inner 29	No	534	
103.	Sparating funnel, stopper	Glass, 125 ml, PTFE Stopcock	No	990	
104.	Funnel	Glass, d = 10 cm, 40 mm stem, 6 mm- diameter stem	No	990	
105.	Funnel	Glass, d = 5±1 cm, 30 mm stem, 4 mm- diameter stem	No	1880	
106.	Funnel	Plastic, d = 5±1 cm, 30 mm stem, 6 mm- diameter stem	No	1880	
107.	Buchner funnel № 1	Capacity 50 ml, upper Ø 60 mm, lower Ø 15 mm, holes Ø 1,25 mm, h=100 mm	No	183	
108.	Burette PTFE Stopcock	25 ml	No	871	
109.	Büchner flask	Glass, 500 ml	No	200	
110.	Glass Capillary Tubes for TLC Spotting /pack/	Micro Glass Pipettes Capillary Transfer Tube with, Length: 100 mm, Inner Diameter (ID): 0.3 mm, Outer Diameter (OD): 0.5 mm. Pack of 1000	No	161	
111.	Glassco Delivery Tube Set	Set includes: out d = 5.0-5.5 mm, 1 x short straight tube 70 mm; 1 x long straight tube 170 mm; 1 x right angled tube with arms 160 mm and 60 mm; 1 x right angled tube with arms 60 mm and 60 mm.	No	1880	
112.	Plastic Vials	With plastic Screw Cap, 50 ml	No	3560	
113.	Plastic Vials	With plastic Screw Cap, 100 ml	No	8900	
114.	Wash bottle, plastic	500 ml	No	1980	
115.	Graduated cylinder	Glass, 10 ml Height: 150 ± 5 mm Diameter: 10 ± 2 mm	No	1980	

116.	Petridish	Glass, 100*15 mm	No	1980	
117.	Ceramic evaporating dish	Ceramic, 100 ml Diameter: 90 ± 5 mm Height: 35 ± 3 mm	No	990	
118.	Ceramic Fire Assay Crucible Melting Pot N3	Ceramic Crucible With Lid, ~18 ml, d=35 mm	No	990	
119.	Unisex lab. coat	Different sizes ~ XS-15%, S-25%, M-30%, L-25%, XL-5%	No	2670	
120.	Multidishes	Well Plates 0.2 ml 10/10	No	990	
121.	Sodium Chloride Model	Plastic, contents: • 13 Sodium, grey, diameter 23 mm • 14 Chlorine, green, diameter 32 mm • 54 grey, medium links	No	100	
122.	Alligator clip	Crocodile clip 16AWG1.27 square 10A for special soft silicone test leads	No	1695	
123.	Silicone insulated stranded wires	5 different color, 28AWG	No	4450	
124.	Draining board for dishes	Kitchen, one-story, large ($47 \times 38 \times 9$ cm $\pm 10\%$), plastic	No	100	

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Lot 4: Procurement of Substances for the Chemistry and Biology Laboratories

	Name	Description of Goods			PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
		Technical Specifications and Standards	Availability of the Manufacturer Authorization Form	Total quantity	
1	acetic acid. AcOH	glacial acetic acid. packed in glass containers of 0.5/1l	Yes	261	
2	acetone	chem. pure. packed in glass containers of 0.5/1l	Yes	261	
3	Activated carbon. C	Tabl.. pharm.	Yes	18.05	
4	Aluminium. Al	granulated. chem. pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	42.2	
5	Aluminum chloride. AlCl ₃	chem. Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	13.05	
6	Aluminum sulfate. Al ₂ (SO ₄) ₃	chem. Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	17.8	
7	DL-Alanine	chem. Pure. packed in glass or plastic containers of 0.005/0.01kg	Yes	720	
8	Ammonia(aq). NH ₃ (aq)	>25%. conc.. chem. pure. packed in glass containers of 0.5/1l	Yes	261	
9	Ammonium acetic. CH ₃ COONH ₄	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	100	
10	Ammonium chloride. NH ₄ Cl	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	100	
11	Ammonium dichromate. (NH ₄) ₂ Cr ₂ O ₇	Pure. packed in glass or plastic containers of 0.5/1kg	Yes	200	
12	Ammonium nitrate. NH ₄ NO ₃	chem. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	65.25	
13	Ammonium oxalate. (NH ₄) ₂ C ₂ O ₄	chem. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	65.25	

14	Ammonium thiocyanate. NH ₄ SCN	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	65.25	
15	Ascorbic acid	pharm.. packed in glass or plastic containers of 0.05/0.1kg	Yes	16.1	
16	Barium nitrate. Ba(NO ₃) ₂	tech.. packed in glass or plastic containers of 0.25/0.5kg	Yes	50	
17	Barium oxide. BaO	chem. pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	50	
18	Boric acid. H ₃ BO ₃	pharm.. packed in glass or plastic containers of 0.05/0.1kg	Yes	10	
19	Bromine. Br ₂	Pure. packed in glass ampules of 5-10g	Yes	10	
20	Butyl alcohol. n- C ₄ H ₉ OH	chem. pure. glass containers of 1l	Yes	152.5	
21	Calcium carbide. CaC ₂	pieces. tech.. packed in plastic containers of 0.5/1kg	Yes	83	
22	Calcium chloride dihydrate. CaCl ₂ * 2H ₂ O	chem. pure.. packed in plastic containers of 0.25/0.5kg	Yes	50	
23	Calcium carbonate. CaCO ₃	chem. pure.. packed in plastic containers of 0.5/1kg	Yes	80.5	
24	calcium oxide. CaO	pieces. food-grade. packed in plastic containers of 0.5/1kg	Yes	200	
25	Calcium sulphate. CaSO ₄	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
26	Copper(II) oxide. CuO	powder. Pure. packed in glass or plastic containers of 0.1/0.5kg	Yes	50	
27	Copper(II) sulfate pentahydrate. CuSO ₄ *5H ₂ O	Pure. packed in glass or plastic containers of 0.5/1kg	Yes	89	
28	Copper. Cu	films(leaves). ~5x2x0.1cm. packed in plastic containers of 0.1/0.5kg	Yes	44.5	
29	Copper. Cu	films(leaves). ~5x1x0.1cm. packed in plastic containers of 0.1/0.5kg	Yes	44.5	
30	Copper. Cu	powder. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	

31	cotton wool	non-ster. High absorbency. Bleached Cotton. package contains 0.090-0.1 kg	Yes	1805	
32	disodium phosphate (anhydrous).Na ₂ HPO ₄	chem. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	50	
33	Eriochrome Black T	chem. Pure. packed in glass ampules of 0.01-0.05kg	Yes	5.17	
34	ethanol.C ₂ H ₅ O H	medical. >96%. plastic containers of 1l	Yes	644	
35	Ferrous chloride hexahydrate. FeCl ₃ * 6H ₂ O	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
36	Filter paper	grade F. sheet~84x84cm or roll	Yes	90.25	
37	Formalin. CH ₂ O(aq)	>30%. pure. packed in glass containers of 0.5/1l	Yes	80.5	
38	fructose	food-grade. packed in glass or plastic containers of 0.1/0.5kg	Yes	37.1	
39	galactose	chem. pure.. packed in plastic containers of 0.05/0.1kg	Yes	7.2	
40	Glucose	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	40.25	
41	Glutamic acid	chem. pure.. packed in plastic containers of 0.05/0.1kg	Yes	7.2	
42	glycerin	pharm.. packed in glass or plastic containers of 0.5/1l	Yes	100	
43	glycine	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	41.5	
44	Graphite Rods	(5-6)*(100-150)mm. Material: graphite. Purity: 99.99%	Yes	3760	
45	Hexane	chem. pure. packed in glass containers of 1l	Yes	261	
46	Hydrochloric acid HCl	>36%. conc.. chem. pure. packed in glass containers of 0.5/1l	Yes	261	
47	Hydrogen peroxide. H ₂ O ₂	>50%. chem. pure. packed in brown glass containers of 0.5/1l	Yes	130.5	
48	Hydroxylamine hydrochloride. NH ₂ OH * HCl	Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	8.9	
49	i-C ₅ H ₁₁ OH	chem. pure. glass containers of 1l	Yes	83	

50	Iodine. I2	chem. Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	16.1	
51	Iron(III) sulfate. Fe ₂ (SO ₄) ₃	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
52	Iron. Fe	powder. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
53	Isopropyl alcohol	packed in glass containers of 0.5l	Yes	89	
54	Lead(II) nitrate. Pb(NO ₃) ₂	Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	17.8	
55	Lead. Pb	granulated. Pure. packed in glass or plastic containers of 0.25/1kg	Yes	89	
56	Lithium. Li	metallic. in mineral oil. packed in glass containers of 0.05/0.1kg	Yes	13.05	
57	Litmus	Pure. packed in glass or plastic containers of 0.01/0.05kg	Yes	4560	
58	lysine	chem. pure.. packed in plastic containers of 0.05/0.1kg	Yes	8.3	
59	Magnezium sulphate heptahydrate. MgSO ₄ * 7H ₂ O	pure.. packed in glass or plastic containers of 0.25/0.5kg	Yes	130.5	
60	Magnezium sulphate. MgSO ₄	pure.. packed in glass or plastic containers of 0.5/1kg	Yes	80.5	
61	Magnezium. Mg	films. pure.. packed in plastic containers of 0.1/0.2kg	Yes	17.8	
62	malachite.(CuO H) ₂ CO ₃	powder. Pure. packed in glass or plastic containers of 0.1/0.5kg	Yes	44.5	
63	Manganese(IV) oxide. MnO ₂	powder. Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	20	
64	marble pieces	pieces ~0.5-1.0 cm ³ . packed in plastic containers of 0.5/1kg	Yes	130.5	
65	methyl orange	Pure. packed in glass or plastic containers of 0.01/0.05kg	Yes	4560	
66	Methylen blue	packed in glass containers of 0.01 kg	Yes	2610	

67	Mohr's salt	pure.. packed in glass or plastic containers of 0.25/0.5kg	Yes	50	
68	monosodium phosphate (anhydrous).Na H ₂ PO ₄	chem. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	50	
69	Nitric acid. HNO ₃	>56%. conc.. chem. pure. packed in glass containers of 0.5/1l	Yes	130.5	
70	Ninhydrin	Pure. packed in glass or plastic containers of 0.01/0.005kg	Yes	1135	
71	Lithium chloride. LiCl	Pure. packed in glass or plastic containers of 0.01/0.05kg	Yes	4560	
72	phenol. PhOH	Pure. packed in glass containers of 0.05/0.1kg	Yes	14.4	
73	Phenolphthalein	Pure. packed in glass or plastic containers of 0.01/0.05kg	Yes	6830	
74	phosphoric acid. H ₃ PO ₄	85%. chem. Pure. packed in glass containers of 0.5/1l	Yes	89	
75	Potassium bromide. KBr	Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	26.1	
76	Potassium carbonate. K ₂ CO ₃	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	130.5	
77	Potassium chromate. K ₂ CrO ₄	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
78	Potassium dichromate. K ₂ Cr ₂ O ₇	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	80.5	
79	Potassium ferricyanide. K ₃ [Fe(CN) ₆]	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
80	Potassium ferrocyanide. K ₄ [Fe(CN) ₆]	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
81	potassium iodate. KIO ₃	Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	26.1	
82	potassium iodide. KI	Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	26.1	
83	Potassium manganate(VII). KMnO ₄	pharm.. packed in glass containers of 0.1/0.5kg	Yes	53.9	

84	Potassium nitrate. KNO ₃	Pure. packed in glass or plastic containers of 0.5/1kg	Yes	89	
85	Potassium thiocyanate. KSCN	Pure. packed in glass or plastic containers of 0.5/1kg	Yes	65.25	
86	Potassium sodium tartrate tetrahydrate	chem. Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	7.2	
87	Potassium. K	metallic. in mineral oil. packed in glass containers of 0.05/0.1kg	Yes	10	
88	propanol-1. C ₃ H ₇ OH	chem. pure. packed in glass containers of 1l	Yes	183	
89	Silver nitrate. AgNO ₃	chem. Pure. packed in glass containers of 0.05	Yes	26.1	
90	sodium acetate. NaOAc	chem. Pure. packed in glass or plastic containers of 0.25/1kg	Yes	172	
91	Sodium carbonate. Na ₂ CO ₃	Pure. packed in glass or plastic containers of 0.25/1kg	Yes	130.5	
92	Sodium chloride. NaCl	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	261	
93	Sodium hydrocarbonate. NaHCO ₃	Pure. packed in glass or plastic containers of 0.25/1kg	Yes	161	
94	Sodium hydroxide. NaOH	chem. Pure. packed in glass or plastic containers of 0.25/1kg	Yes	261	
95	Sodium fluoride	chem. Pure. packed in plastic containers of 0.1kg	Yes	24.4	
96	Sodium nitroprusside	chem. Pure. packed in glass or plastic containers 0.01/0.05kg	Yes	4.56	
97	Sodium sulphate decahydrate. Na ₂ SO ₄ * 10H ₂ O	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	200	
98	Sodium sulphite. Na ₂ SO ₃	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	130.5	
99	Sodium tetraborate decahydrate. Na ₂ B ₄ O ₇ * 10H ₂ O	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	130.5	
100	Sodium thiosulfate pentahydrate. Na ₂ S ₂ O ₃ · 5H ₂ O	chem. pure.. packed in glass or plastic containers of 0.25/0.5kg	Yes	80.5	

101	Sodium. Na	metallic. in mineral oil. packed in glass containers of 0.05/0.1kg	Yes	23.05	
102	standard titres Hydrochloride acid	Fiksanal 0.1M. Packing: 10 ampules	Yes	100	
103	standard titres Iodine.I2	Fiksanal 0.05M. Packing: 5 ampules	Yes	100	
104	standard titres Sodium thiosulfate. Na ₂ S ₂ O ₃	Fiksanal 0.05M. Packing: 5 ampules	Yes	100	
105	Starch	powder. packed in glass containers of 0.5 kg	Yes	50	
106	sucrose	chem. food-grade. packed in glass or plastic containers of 0.5/1kg	Yes	139	
107	Sulphur. S	Pure. packed in glass or plastic containers of 0.5/1kg	Yes	89	
108	Sulphuric acid. H ₂ SO ₄	96%. chem. Pure. packed in glass containers of 0.5/1l	Yes	130.5	
109	TLC Plates UV254	TLC aluminum sheets. Layer - unmodified silica gel. Package Included: 20 x 20 cm. 12-15 sheets	Yes	144	
110	Trichloroacetic acid. C ₁ Cl ₃ COOH	Pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	8.9	
111	2Na-EDTA dihydrate	chem. Pure. packed in glass or plastic containers of 0.5/1kg	Yes	89	
112	Tin	granulated. chem. pure. packed in glass or plastic containers of 0.05/0.1kg	Yes	26.7	
113	Trisodium citrate	powder. packed in glass containers of 0.25/0.5 kg	Yes	44.5	
114	trisodium phosphate (anhydrous). Na ₃ PO ₄	chem. Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	44.5	
115	universal indicator paper pH 1-14	strips/booklet/roll (80-100 leaves or 5m)	Yes	856	
116	DL-Valine	chem. Pure. packed in glass or plastic containers of 0.005/0.01kg	Yes	720	
117	vaseline	chem. Pharm.. packed in glass or plastic containers of 0.05/0.1kg	Yes	26.1	

118	Zinc nitrate. Zn(NO ₃) ₂	Pure. packed in glass or plastic containers of 0.25/0.5kg	Yes	65.25	
119	Zinc. Zn	granulated. metallic. packed in glass or plastic containers of 0.1/0.5kg	Yes	68.3	
120	Eosine	Packed in glass containers of 0.01 kg	Yes	1	
121	Immersion oil	Packed in glass containers of 0.11	Yes	10	
122	Sodium alginate	Powder. packed in glass containers of 0.1 kg	Yes	8.3	

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Lot 5: Geography Laboratory Equipment

No	Name	Description of Goods			PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
		Technical Specifications and Standards	Availability of the Manufacturer Authorization Form (Yes/No)	Total quantity	
1.	School compass	A compass shall have a rotating cover with a marking device, a limb (scale), a magnetic pointer, a sighting device (scale and compass), a calculation indicator (with 0-360° graduations) and a brake.	No	890	
2.	School meteorological stationary	The school weather station should be wireless, have indoor and outdoor temperature and humidity, atmospheric pressure, light, UV radiation, wind speed and direction, dew point, precipitation measuring and recording devices, large color LCD display and built-in large capacity storage function. A set of training tools for meteorological observations: outdoor temperature (-30 - +65°C), outdoor humidity (0-99%rh), rainfall (0-9999 mm), wind speed (0-50m/s), illumination (0-400k Lu), indoor temperature (-10 - +60°C), indoor humidity (0-99%RH), barometric pressure (300-1100hPa), console (5V DC adapter), indoor sensor (2*AAA alkaline batteries), outdoor sensor (3*AA rechargeable batteries), transmission distance in open field 100 m, communication frequency 433 MHz / 868 MHz / 915 MHz (optional), measuring interval outdoor sensor approx. 16s, measuring interval indoor sensor approx. 64s, alarm duration approx. 120s.	Yes	100	
3.	Curvimeter (Odometer)	The curvimeter should have a kilometer scale and be of portable metal structure (material: aluminum alloy+plastic+acrylic).	No	356	
4.	Metal flexible meter	Must be 20 meters and have a scale of metric, centimeter and millimeter divisions.	No	100	

5.	Global Positioning Systems (GPS)	The GPS device must have a 2.2-inch or larger sunlight-readable color display with a minimum resolution of 240 x 320 pixels. Must be preloaded with Topo Active maps. It will have support for GPS and GLONASS satellite systems and 8GB of internal memory for downloading maps, as well as a micro SD card slot. Battery life up to 25 hours in GPS mode with standard size batteries.	Yes	83	
6.	Physical laboratory globe of the Earth	A physical relief 3D globe with a 3D block diagram showing the Earth's internal structure. Scale 1: 30 000 000, size: 42 cm, in Armenian language, made of plastic, the axis should be a metal rod.	No	100	

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Lot 6: Physics Laboratory Accessories

Line Item N°	Description of Goods			Total quantity	PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
	Name	Technical Specifications and Standards	Availability of the Manufacturer Authorization Form/ (Yes/No)		
1.	Stand, boss and clamp	Tainless steel rod: 23" length Base: 5" wide by 8". Made of cast iron to provide a stable stand for most Lab applications Bosshead & Clamp: Adjustable screw Bosshead.	No	356	
2.	Set of Hooked Masses	Shall include two each of 10g, 20 g, 50g and 200 g, one each of 100g, 500g and 1000g.	No	356	
3.	Pair of quadratic wooden blocks with handle for Friction Experiments	Wooden, Weighing 100 g (not less than 12 cm x 6 cm x 6 cm).	No	178	
4.	Set of quadratic goods different materials (wooden, metallic, plastic)	Includes one each of 10g, 20g, 50g, 100g, 200g, 500g, 1000g.	No	178	
5.	Friction Rod Kit	Glass and Ebonite rods, (not less than 12 mm diameter x 200 mm long) silk cloth piece, faux fur pad.	No	356	
6.	Alligator Leads (Pack of 10)	Pack of 10 Alligator Leads. They are approximately 24" long and 22 gauge wire.	No	178	
7.	Banana Plug clip leads (Pack of 10)	Pack of cables with 10 banana plug clip. They are approximately 24" long and each feature ends with secure	No	178	

		"flower-type" stackable 4 mm banana plugs.			
8.	Set of Steel Bar Magnets pairs with iron filings	These Steel Bar Magnets shall have poles designated N and S for easy identification by young students. Size: approx. 150 x 12 x 5 mm, iron filings 500 g.	No	322	
9.	Pair of Steel Horseshoe Magnet with Keeper	Steel Horseshoe Magnet with Keeper shall be 100 mm in length.	No	322	
10.	Capillary tubes	Glass up to 1mm diameter.	No	1000	
11.	Plastic Displacement Vessel	Volume max 500 ml.	No	234	
12.	Plastic Cylindrical beaker	Volume max 500 ml.	No	356	
13.	Pair of Metal balls	Diameter 2 cm.	No	178	
14.	Models of diferent crystallographic gratings	Molecule building set for assembling three-dimensional models of inorganic molecules and for clarification of their spatial configurations: NaCl, H ₂ O, CaCO ₃ , SiO ₂ , CuSO ₄ , LiNbO ₃ . Design of a structure model set for inorganic compounds based on balls linked with snap buttons.	Yes	178	
15.	Polarizing Filters	Filters are mounted in handy 35 mm slide frames. Linear polarizer is available for VIS and NIR requirements.	Yes	576	
16.	Color Filters Set	The kit shall includes six 8" x 10" filters of primary and secondary colors.	Yes	83	
17.	Optical fiber	Plastic, Diameter 1 mm	No	200	
18.	Diffraction Grating	Three 20 mm x 10 mm gratings with 100, 300, and 600 lines per mm, mounted between glass plates. The viewing area of each section shall be 15 mm x 10 mm.	No	288	
19.	Plastic Measuring cylinder	Volume max 100 ml.	Yes	83	
20.	Set of flat plates to determine gravity centre	Set of flat aluminum thin sheets with different shapes, hanging plumb line, maximum: 20 x 20 cm	No	288	

21.	Wallpaper: SI system units	A0-841x1189 mm. Colorful, laminated, with wall hanging.	No	100	
22.	Wallpaper: Dependence of the resistance of the conductor on temperature	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
23.	Wallpaper: Electromagnetic induction	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
24.	Wallpaper: Resistance: Ohm's law	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
25.	Wallpaper: Induced electromotive force (EMF) of the moving conductor	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
26.	Wallpaper: Electric current: Amount of current	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
27.	Wallpaper: Inductance and self induction	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
28.	Wallpaper: Electromagnetic field	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	
29.	Wallpaper: Ohm's law for the closed circuit: EMF	A1-594x841 mm. Colorful, laminated, with wall hanging.	No	100	

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Lot:7 Physics Laboratory Equipment

Line Item N°	Description of Goods			Total quantity	PROPOSED SPECIFICATIONS Trademark & Model: Country Specifications /in detail/:
	Name	Technical Specifications and Standards	Availability of the Manufacturer Authorization Form/ (Yes/No)		
1.	Inclined Plane	<p>Metal base and inclined plane. The plane shall be hinged with scales for angle, length and height. Angle of inclination shall be adjustable between 0 and 45°. Includes adjustable pulley, roller, cord, and weight pan.</p> <p>Specifications: Length of inclined plane: approx. 600 mm Length of base: approx. 450 mm Scales: divided into cm or degrees</p>	Yes	100	
2.	Air Track	<p>Track with triangular profile with small holes for air outflow set in two lines along the track (distance between the holes for air outflow - at least 24 mm). With riders for investigating frictionless linear motion, with A millimeter rule one side. On a robust U-shaped base, with three adjustable feet for levelling. Made of Anodized aluminum. Dimension: track - at least 2 m long. Working length: at least 1.90 m long and at least 94 mm wide. The sides of triangle - at least 67 mm long. Thickness of walls: 3 mm, Contents - at least: 1 Air track on base, 2 Gliders 300 g (red) with additional 50 g weights, spring buffers for elastic collisions and velcro strip for inelastic collisions, 3 Helical springs, 50 mm, 1.7 N/m, 2 Velocity flags, 10</p>	Yes	83	

		cm, 2 Magnets for contactless impact, 1 English manual for the air track.			
3.	Air Flow Generator for Air Track	Generator shall have a hose. 230V; 50/60 Hz Hose length: approximately 1.5 m, Power consumption: max. 1100 W.	Yes	83	
4.	Gravity lab	Integral Vibration Sensor in Base Unit Release Clamp 12 mm Ball Bearing 8 mm Ball Bearing Swivel Clamp Holder (The swivel clamp is made from plated steel and features two clamps. One clamp can be locked in any position and shall be rotated 360° along its axis. The swivel clamp shall accept rods up to 3/4" diameter (19 mm) s Length 4.5"). Ring stand (13 cm x 20.3 cm Base, 50.8 cm Rod) Milisecond timer (has a clear, 4-digit LED display. Three sockets provide START and STOP inputs. A single switch changes the timer from GATE 1 start and stop to GATE 1 start, GATE 2 stop. The timer shall have millisecond resolution for times up to 10 seconds and then the display auto-ranges for longer periods up to 9999s with corresponding reduced resolution. 5V DC power supply and instructions included).	Yes	100	
5.	Timer with two photogates	Timer, Two Photogates with cords, AC adaptor. Built-in infrared light. Possibility to be operated in internal and external modes. Shall include at least operational indicator light, stand rod with screw thread, bolt for attachment to a roller track and connector lead with 8 pin mini DIN plugs. Barrier spacing: approx. 82 mm	Yes	100	

		Rise time: not more than 60 ns Spatial resolution: < 1 mm Time resolution: not less than 0.1 ms.			
6.	Digital Timer	Quartz crystal, 0.65 microsecond internal resolution, 0.0001 second display resolution.	Yes	356	
7.	Pendulum Lab	Pendulum Face String-approx. 1 meter, Cylindrical Bob (aluminum), Cylindrical Bob (steel), Centimeter Grid, Board, 1 Thumb Bolts, 1 Small Attachment, Hex Bolt, 1 Nylon Wing Nut, Pinch Clamp	Yes	100	
8.	Constant Velocity Car	The Constant Velocity Car shall have a data sheet including background and product information, suggested activities, and related products. Size: approx.7" x 4"	No	356	
9.	Car and Ramp Lab	Approx. 120 cm aluminum track with attachment grooves and tire guide grooves, car w/ball bearing wheels, spring and magnetic bumpers, weights 50 g, 100g, inclinometer, pulley and string.	Yes	83	
10.	Pair of meterstick	Measure cm lengths, 50 cm and 100 cm.	No	356	
11.	Digital micrometer	0-25 mm, precision 0.01 mm.	Yes	178	
12.	Lever Lab	Lever length 100 cm, balancing weights at the two ends, additional holes for adding weights, shall include set of weights, Hooked Masses, Attachment thumb bolt.	Yes	356	
13.	Loop the Loop	Loop the Loop 20" tall, 16.25"x 3.875" base, diameter 7.5", one neoprene rubber ball and one steel ball with the same diameter 1".	Yes	144	
14.	Pulley on Rod with Clamp	Aluminum 50 mm dia pulley on rod with 2.5" metal clamp.	No	200	
15.	Single Pulley (Painted)	Single low friction pulley with Deep V-groove stands up	No	200	

16.	Digital Newton Meter	from 01 N to 20.00 N.	No	178	
17.	Set of spring dynamometers with different scales	Max 2N, 4N, 5N, 10N, 20N.	No	178	
18.	Newtonian Demonstrator - Newton's Cradle	Size is approx. 9"H x 7"W x 9"L.	No	178	
19.	Digital balance	1 mg readability, max capacity 3 kg, min weight 1,2 g	Yes	178	
20.	Ball bearings in the wheel	Single row radial ball bearing, 25 mm ID.	No	178	
21.	Springs Set	Spring Constants 2.5, 5, 10, 15, and 25 N/m	No	178	
22.	Aneroid Barometer	Measuring range: 760-1050hPa.	No	100	
23.	Manometer	U- tube glass manometer with built-in stopcock mounted on backing plate. Scale 80-0-80 with 2 mm subdivisions. Backplate dimensions: 400 x 80 mm.	No	356	
24.	Sympathetic Tuning Fork Set	Set shall include two 256, and one 320, 426.7, 480 Hz tuning forks corresponding to C, E, A, B, minors, respectively, be mounted on a wooden resonance box and a mallet. One of forks with 256 Hz shall be fixed and one adjustable.	Yes	305	
25.	Hygrometer with thermometer	Digital thermometer with hygrometer with temperature range 0-50 °C, size approx. 125 mm x 99 mm.	Yes	100	
26.	Wimshurst Machine	Spark length: up to 12 cm. Diameter: up to 31 cm The short circuit current for this machine is approximately 7 μ A. The maximum potential is approximately 75000V, The maximum spark distance for dry air is approximately 75 mm.	Yes	100	
27.	Electrostatic Equipment Set	The set shall include components that would allow to demonstrate basic electrostatic phenomena: conductor spheres approx. 30 mm,	Yes	100	

		box with spherical electrode, box with pointed electrode, a bundle of tissue paper strips on rod, a luminous pane, chimes with bells, connection chains for connection to the charge source, such as the Wimshurst machine.			
28.	Electroscope	The needle-based shall be aluminum. The ultra-sensitive needle shall pivot on an axle when an electric charge is applied to the disk located at the top of the electroscope. Approx. 2.4 x 3.7 x 4.1 in. (60 x 95 x 105 mm). Ring diameter approx. 150 mm. The front and back walls of the electroscope shall be made of glass.	No	356	
29.	Semiconductors	Thermal, photo resistors, thermo element, photo-cell, diode, transistors, parts are placed in separate small panel / boards, panels are interconnected, symbol marking, printed instructions. NTC thermal transistors 5D-5/7/9/11/15 & 8D-9/11/20 & 10D-5/7/11 & 33D-7, p-n-p, n-p-n transistors.	Yes	178	
30.	School event timers	Digital Stopwatch and Timer captures elapsed time to within 1/100th of a sec and lap time. Powered by one LR-44 button battery.	No	356	
31.	Parallel Plate Capacitor	Diameter 20 cm -30 cm.	Yes	100	
32.	DC power supply	<ul style="list-style-type: none"> • High-current DC power supply with digital display. • Continuous adjustment of voltage and current. • Shall have coarse and fine controllers. • Possibility to be used as a constant-voltage source with current limiting, or a constant-current source with voltage limiting. 	Yes	178	

		<ul style="list-style-type: none"> • Protection against short-circuits, excess current and voltage. • Mains voltage: 115 V / 230 V, 50/60 Hz • Output voltage: 0...16 V • Fine-adjustment range: 800 mV • Stability at 0...100% load: < 12 mV Residual ripple: < 1 mV Output current: 0...10 A Fine adjustment range: approx. 2 A.			
33.	AC/DC Power Supply	AC and DC power supply adjustable to various levels and housed in metal case. Features stabilized DC voltages. Outputs shall be isolated galvanically and short-circuit-proof. Specifications: DC output: 1/ 2/ 3/ 4/ 5/ 6/ 7/ 8/ 9/ 10/ 11/ 12/ 13/ 14/ 15 V, max. 10A AC output: 1/ 2/ 3/ 4/ 5/ 6/ 7/ 8/ 9/ 10/ 11/ 12/ 13/ 14/ 15 V, max. 10A Max. output power: 150 VA Connections: 4 mm jacks Dimensions: approx. 170 x 160 x 250 mm ³ Weight: approx. 6.3 kg.	Yes	144	
34.	Digital Multimeter	For measuring voltage, current and resistance and also including diode and continuity tests easy-to-read LCD screen and a single rotary dial for easily switching between testing modes. DC voltage: 200 mV - 600 V, 5 ranges, $\pm 0.5\% \pm 2$ digits, AC voltage: 200/ 600 V, 2 ranges, $\pm 1.2\% \pm 10$ digits, DC current: 2000 μ A - 10 A, 4 ranges, $\pm 1\% \pm 2$ digits, Resistance: 200 Ohm – 2000 kOhm, 5 ranges, $\pm 0.8\% \pm 2$ digits, Display: 3½ digit LCD, 27 mm, max: 1999, Operating voltage: 9 V battery.	Yes	356	

35.	Apparatus for resistance measurement	To investigate the dependence of the electrical resistance on length, cross section and material of the conductor. Material: 2 x constantan D = 0.7 mm constantan D = 1 mm constantan D = 0.5 mm constantan D = 0.35 mm brass D = 0.5 mm with 4-mm sockets only for extra low-voltages Length: 1 m	Yes	178	
36.	Rheostat	For use in experiments in extra-low and low voltage circuits, these heavy-duty variable resistors have shockproof housings and built-in ground sockets. Connection: 4-mm safety sockets Resistance: 10 Ω Current: constant: up to 5.7 A approx. maximum: 8.0 A (max 15 minutes) Resistance tolerance: 10% from nominal value, Max. permissible power: approx. 320 W (continuous operation), 640 W (max. 15 min) Max. permissible voltage: 600 V.	Yes	356	
37.	Switch	Switch Double Pole Double Throw, 24V, 2A.	No	556	
38.	Resistors group with the component holder	1 Om, 2 Om, 10 Om, 100 Om, 1 kOm.	Yes	356	
39.	Group of Miniature Bulbs on the holder with clips	13.5 V, 6.3 V, 3.5 V, or 2.5 V.	No	356	
40.	Voltmeter	Range 0 - 20 V d. c, resolution 0.01 V.	Yes	356	
41.	Ammeter	Range 0-10 A d. c, resolution 0.01 A.	Yes	356	

42.	Galvanometer	Range Specifications: - 500-0-500 μ A accuracy +/- 2.5%	Yes	178	
43.	Electrolysis Apparatus	DC current source, titanium electrodes, safety-closed tank. Main unit dimensions not less than 140 mm x 80 mm x 80 mm.	Yes	356	
44.	Thermometers Group	Plastic Back Thermometer, Unmarked Thermometer, Digital Thermometer, Hand-Held Surface Thermometer. Measured max 100 °C and 212 °F.	Yes	322	
45.	Magnetic needle	Diameter 5 cm.	No	178	
46.	Set of devices to investigate Earth's magnetic field	The set shall include 1 pair Steel Bar Magnets 1 Horseshoe Magnet Floating Magnets Magnetic Chips Magnetic Field Viewer Magnetic Globe 3D Magnetic Compass Clear Compasses pack of 20.	Yes	100	
47.	Vacuum Pumper Classroom Set	Chamber measures 4.75 inches X 4.75 inches at the top and tapers down to 3.75 inches X 3.75 inches at the bottom.	Yes	178	
48.	Electromagnet	Electromagnet Crossbar with eyelet Hooked Mass Set, 9 Masses Alligator Lead/Pack of 5 D-Cell Battery Holder D Battery/2 pack	Yes	356	
49.	Solenoids with cores	5 A Max.	Yes	356	
50.	Oscilloscope	A 32-bit electronic signal detection tool and is equipped with a 320 x 240 color display, 2MB internal memory, and rechargeable lithium battery. Shall Include: Oscilloscope, Stand, Probes, Allen wrench, Protective case, Rechargeable lithium battery.	Yes	161	
51.	Set for Archimedes Principle Experiment	3x Cylinders: aluminum, brass, plastic; 2.2 cm dia. x 6.4 cm long (plastic is less dense than water) 2x Blocks: aluminum (1.9 x 3.2 x	Yes	34	

		<p>4.1 cm) and brass (1.6 x 1.9 x 2.8 cm); The mass of each block equals that of the aluminum cylinder.</p> <p>1x Irregular shape: aluminum</p> <p>1x Instruction manual, Overflow Can, Large Rod Base, 45 cm</p> <p>Stainless Steel Rod</p> <p>1x Braided Physics String</p> <p>1x Ohaus Triple-Beam Balance (with Tare)</p> <p>1x Stainless Steel Calipers</p> <p>1x 1000 ml Beaker</p> <p>1x 100 ml Beaker</p> <p>1x 50 ml Graduated Cylinder</p> <p>1x Archimedes' Principle Experiment Manual.</p>			
52.	Transformer	With interchangeable coils: 200 turns and 800 turns (first coil), 400 turns (second coil).	Yes	166	
53.	Gas Law Apparatus	<p>For compressing the air twisting the handle and simply to read the volume, temperature and pressure from the scales. AA battery is required for the temperature gauge. The whole unit mounted on a sturdy metal base.</p> <p>Pressure gauge dia. reading -1000 to 3000 hPa.</p>	Yes	144	
54.	Heat receiver	<p>Heat receiver, silicone tube.</p> <p>It is an empty box having a cylindrical form (diameter in range 80-160 mm). One side of the heat receiver shall be black colored and the other one shall be covered by silver colored and polished.</p>	No	17	
55.	Hydraulic machine	The machine (mainframe), The main part of the hydraulic machine shall consist of two cylinders with different diameters. The cylinders shall be closed with the pistons firmly attached to the walls. The cylinders are connected by a tube filled with liquid (water or mineral oil).	Yes	17	

		<p>Product parameter: Material: metal and plastic Normal pressure: 2 - 2.2 Mpa (cannot exceed this value when in use) The pressure on the big piston at normal pressure is about 3.14 kN Package includes: Setting 1 Manual hydraulic press model.</p>			
56.	Communicating vessels	<p>Consist of four vessels with different shape and volume. The height is not less than 12 cm, the diameter of the one edge vessel is not less than 1 cm, and the diameter of other edge one is not less than 2.5 cm. The distance between two edge vessels is not less than 17.5 cm.</p>	No	51	
57.	Calorimeter Cylinder, Al	<p>Calorimeter, with Insulated Handle, 4.5/6 Volt, approx. 4" Diameter x 7" Height</p>	Yes	356	
58.	Laser Ray Box and Lenses	<p>Concave lens, Convex lens, Parallel flat or parallel bar lens, Trapezoid prism, Right angle lens, Mirror, Hollow semicircle refraction cup, Semicircle lens, Magnetic activity mat (approx. 15" (381 mm) L x 8.25" (210 mm) W with printed scales and angles, Laser light beam chart, Laser beam source. The Ray Box is powered by an AC adapter.</p>	Yes	100	
59.	Laser Refraction Tank	<p>One laser tank (trough), Base, One laser pointer and detachable housing unit, Four prisms, two mirrors and one beam splitter, 1 Semi-circle 90 mm base x 15 mm thick 1 Equilateral prism 75 mm sides, 15 mm thick</p>	Yes	83	
60.	Introductory Optical System	<p>Single Lens Holder Double Lens Holder LED Object (batteries included) Lens: Dia. 50 mm, +100 mm Double Convex</p>	Yes	178	

		<p>Lens: Dia. 50 mm, +200 mm Double Convex</p> <p>Lens: Dia. 50 mm, -100 mm Double Concave</p> <p>Lens: Dia. 50 mm, -200 mm Double Concave</p> <p>Viewing Screen, Double Sided Pinhole Configuration Cards, Pair Instructional Guide and list of Activities.</p>			
61.	Photo Electric Apparatus	<p>A halogen source, photo tube. A filter wheel includes five narrow band interference filters. A vacuum photo tube is kept inside the tube housing. The regulated power supply with 0-2V variable voltage, ammeter, toggle switch. The lamp house, filter wheel and photo tube housing are placed on an optical rail.</p> <p>Filter Wheel with Interference Filters: Wave length-404, 450, 505, 546, 578 nm, Quantity-1no.each,</p> <p><u>Rail Based Platform</u>: Length approx. 500 mm, Material-Anodized Aluminium Alloy, Quantity-1no.</p> <p><u>Tungsten Halogen Lamp with Mount</u>: Output Power-20W, Quantity-1 no.</p> <p>Photosensitive Device with Mount: Type-Vacuum photo tube, Quantity-1 no.</p> <p><u>Photo Electric Effect Control Unit</u>: Voltage 0 - 10 V, Current-nano - micro Amperes, Quantity-1 no. Dust protector cover, user manual.</p>	Yes	83	
62.	Pascal's Demonstrator	<p>Pascal's Demonstrator shall consist of a vertical glass bulb about 3.5 cm in diameter with small openings along one circumference and a branch tube containing a tight-fitting piston.</p>	No	17	
63.	Mechanical Wave	<p>24 cm square Chladni plate 24 cm diameter round Chladni</p>	Yes	100	

	Accessories Bundle	<p>plate Extra-fine sand and shaker 1 Resonance Wire Loop 1 Metal Resonance Strips 1 Longitudinal Wave Spring 1 Transverse Wave String: 7-foot elastic string, String holder, Hook holder, Allen Key String / Spring holders Sine Wave Generator 220V US Plug Type B, allows both the frequency (1-400 Hz/1 Hz resolution and 10-4000 Hz/10 Hz resolution) and amplitude of the sine wave output to be varied. Mechanical Wave Driver includes 1 ea. Wave Driver, 2 ea. Banana Plugs, Allen Key & Holder.</p>			
64.	Tension Demonstration Accessory Kit	<p>The kit shall include: . Tubular dynamometer: resolution 0.1 N, . Cuvette: plastic, . Pendant ring: thin steel strip . Ring wire frame, . Wire frame in the form of a ring with a half ring, . Tetrahedral wire frame, . Cube wire frame, . Wire rectangular frame with movable side. The frames are made of steel wire with a nickel-plated surface. Each frame has a handle by which it is held during the experiment.</p>	Yes	288	
65.	Mini Projectile Launcher	<p>.Release Mechanism . Support stand . Steel Balls (2x) . Protractor and plumb bob . Launcher</p> <p><u>Features</u></p> <ul style="list-style-type: none"> • 3 launch velocities • Built-in protractor to easily determine launch angle • Cable to release projectile 	Yes	144	

		<ul style="list-style-type: none"> Sturdy metal base 			
66.	Set of capacitors	Set of capacitors, capacitance range: 0.22 μ F, 1 μ F, 2.2 μ F, \geq 1000 μ F for low Voltage (3V-10 V), with dielectrics: 100 μ F-25 V, 1000 μ F-25 V)	Yes	288	
67.	Set of devices for radio receiver	Includes an antenna for picking up the signals, tuning circuit for tuning to a particular radio frequency, a diode to recover the audio signal from the modulated radio signal, also includes a filter to remove any remains of the radio signal from the audio. Finally, it includes a very sensitive earphone that can produce a (barely) audible sound from the tiny bit of energy that the antenna can pick up. . capacitor with variable capacitance of about 300pF to 500pF. . capacitor with fix capacitance~100 pF . germanium diode, like OA81 . coil~induction 300 μ H . piezoelectric headphone like the <u>vintage 2000Ω</u>	Yes	288	
68.	Caliper	0.01 mm resolution	No	161	
69.	Signal Generator	Audio frequency function generator. Based with frequency range from 1 Hz-100 KHz in five decade ranges amplitude 0-10 V. Dimensions: not less than 200 x 150 x 100 mm	Yes	100	
70.	Rotating System on Air Bed	1 Air bed 1 Rotating disc with cross bar 1 Multiple pulley 1 Release mechanism 2 S-shaped hooks 1.00g 1 S-shaped hook 2.00 g 1 Set of weights (2x 12.5 g, 2x 25 g, 2x 50 g) 1 Airflow generator (Compressor)	Yes	83	

		<p>for connection to mains</p> <p>1 Silicon tubing with by-pass valve</p> <p>1 Pulley</p> <p>1 Stand rod with 3 securing screws and 2 screws for levelling</p> <p>1 Stand rod with 2 securing screws</p> <p>1 Stand rod, approx. 250 mm</p> <p>1 Levelling disc</p> <p>1 Roll of cotton thread</p> <p>Specifications:</p> <ul style="list-style-type: none"> • Protractor scale: 0 – 360° • Scale divisions: 1° • Moment of inertia of disc with cross bar: 0.16 g m² approx. • Maximum moment of inertia: 7.1 g m² approx. • Minimum driving torque: 0.05 mN m approx. <p>Maximum driving torque: 0.60 mN m approx.</p>			
71.	Atwood's machine	<p>An Atwood machine consists of set of loads, hanger, rings with couplings attaching to a string draped over a pulley. Both the string and pulley shall be massless and the pulley shall be frictionless. Pulley shall be attached to the vertical base. Photogate with timer shall be available to record the machine's motion.</p> <p>. Photogate: Photogate Head with cable</p> <p>. Pulley:</p> <p>. Mounting rod: stainless steel mounting rod</p> <p>. Table Clamp: can hold rods that can be mounted either horizontally or vertically</p> <p>. Multi clamp with two thumb screws: . Fits rods</p>	Yes	100	

		<p>. rod: non-threaded stainless steel rod</p> <p>. Braided String</p> <p>. Mass and hanger set includes 4x Mass hanger (5.0 g), 3x 100 g mass, 3x 50 g mass, 2x 20 g mass, 2x 10 g mass, 3x 5.0 g mass, 3x 2.0 g mass, 3x 1.0 g mass, 3x 0.5 g mass.</p>			
72.	Apparatus to demonstrate Faraday's law and Lenz's law	<p>Base Plate</p> <p>Guide Tube:</p> <p>Copper Collar:</p> <p>2 Banana Plugs cables: with 4 mm plugs</p> <p>Impact Pillow</p> <p>Giant Neodymium Magnet:</p> <p>Air-Core Solenoid: 5A max current, with 4 mm banana plug connections</p>	Yes	83	

***The electronic version of this list in word format should be provided in the Bid**

4. Drawings

This bidding document includes *no* drawings.

5. Inspections and Tests

The following inspections and tests shall be performed:

- ⇒ Inspection on correspondence to the Technical Specifications offered in the Bidder's Bid (Conformity to the Technical Specifications) at the final destination points;
- ⇒ Inspection on physical conditions and functionality of the equipment at the final destination points (Defects and Damages inspection).

PART 3 - Contract

Section VIII - General Conditions of Contract

Table of Clauses

1. Definitions.....	170
2. Contract Documents.....	171
3. Fraud and Corruption.....	171
4. Interpretation.....	171
5. Language.....	172
6. Joint Venture, Consortium or Association.....	172
7. Eligibility.....	173
8. Notices.....	173
9. Governing Law.....	173
10. Settlement of Disputes.....	173
11. Inspections and Audit by the Bank.....	174
12. Scope of Supply.....	174
13. Delivery and Documents.....	174
14. Supplier’s Responsibilities.....	175
15. Contract Price.....	176
16. Terms of Payment.....	176
17. Taxes and Duties.....	176
18. Performance Security.....	177
19. Copyright.....	177
20. Confidential Information.....	177
21. Subcontracting.....	178

22. Specifications and Standards	178
23. Packing and Documents.....	179
24. Insurance	179
25. Transportation and Incidental Services	179
26. Inspections and Tests	180
27. Liquidated Damages.....	181
28. Warranty	181
29. Patent Indemnity	182
30. Limitation of Liability	183
31. Change in Laws and Regulations.....	184
32. Force Majeure.....	184
33. Change Orders and Contract Amendments	184
34. Extensions of Time	186
35. Termination.....	186
36. Assignment	187
37. Export Restriction	187

Section VIII - General Conditions of Contract

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) **“Bank”** means the World Bank and refers to the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
- (b) **“Contract”** means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (c) **“Contract Documents”** means the documents listed in the Contract Agreement, including any amendments thereto.
- (d) **“Contract Price”** means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (e) **“Day”** means calendar day.
- (f) **“Completion”** means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (g) **“GCC”** means the General Conditions of Contract.
- (h) **“Goods”** means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (i) **“Purchaser’s Country”** is the country specified in the **Special Conditions of Contract (SCC)**.
- (j) **“Purchaser”** means the entity purchasing the Goods and Related Services, as **specified in the SCC**.
- (k) **“Related Services”** means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (l) **“SCC”** means the Special Conditions of Contract.
- (m) **“Subcontractor”** means any person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any

part of the Related Services is subcontracted by the Supplier.

- (n) **“Supplier”** means the person, private or government entity, or a combination of the above, whose Bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (o) **“The Project Site,”** where applicable, means the place named in the **SCC**.

2. **Contract Documents**

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

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 Appendix 1 to the GCC.

3.2 The Purchaser requires the Supplier 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.

4. **Interpretation**

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

4.2 Incoterms

(a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms **specified in the SCC**.

(b) The terms EXW, CIP, FCA, CFR and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

4.3 Entire Agreement

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

4.4 Amendment

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

4.5 Nonwaiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

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

5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture, Consortium or Association

- 6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

- 7. Eligibility**
- 7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.
- 7.2 All Goods and Related Services to be supplied under the Contract and financed by the Bank shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 8. Notices**
- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term “in writing” means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.
- 9. Governing Law**
- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser’s Country, unless otherwise specified in the **SCC**.
- 9.2 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
- 9.2 (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.
- 10. Settlement of Disputes**
- 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect

of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the **SCC**.

10.3 Notwithstanding any reference to arbitration herein,

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

11. Inspections and Audit by the Bank

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

11.2 Pursuant to paragraph 2.2 e. of Appendix 1 to the General Conditions 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 Sub-Clause 3.1 (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).

12. Scope of Supply

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

13. Delivery and Documents

13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.

14. Supplier's Responsibilities

- 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
- 14.2 The Supplier, including its Subcontractors, shall not employ or engage forced labor or persons subject to trafficking, as described in GCC Sub-Clauses 14.3 and 14.4.
- 14.3 Forced labor 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 labor, such as indentured labor, bonded labor or similar labor-contracting arrangements.
- 14.4 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.
- 14.5 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).
- 14.6 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.
- 14.7 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.

14.8 The Supplier shall comply, and shall require its Subcontractors if any to comply, with all applicable health and safety regulations, laws, guidelines, and any other requirement stated in the Technical Specifications.

14.9 The Supplier shall comply with additional obligations as **specified in the SCC.**

15. Contract Price

15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Bid, with the exception of any price adjustments authorized in the **SCC.**

16. Terms of Payment

16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC.**

16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.

16.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the Bid price is expressed.

16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

17. Taxes and Duties

17.1 For goods manufactured 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.

17.2 For goods Manufactured within the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

17.3 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.

18. Performance Security

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

19. Copyright

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

20. Confidential Information

- 20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the

Purchaser for any purpose other than the performance of the Contract.

20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:

- (a) the Purchaser or Supplier need to share with the Bank or other institutions participating in the financing of the Contract;
- (b) now or hereafter enters the public domain through no fault of that party;
- (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
- (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Notification 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. Such notification, in the original Bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications and Standards

22.1 Technical Specifications and Drawings

- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.

- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

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

24. Insurance

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

25. Transportation and Incidental Services

- 25.1 Unless otherwise specified in the SCC, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;

- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services

26. Inspections and Tests

26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.

26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.

26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and

standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.

- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

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

28. Warranty

- 28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

- 28.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

**29. Patent
Indemnity**

- 29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:
- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
 - (b) the sale in any country of the products produced by the Goods.

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

- 29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, 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.
- 29.3 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.
- 29.4 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.
- 29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

30. Limitation of Liability

- 30.1 Except in cases of criminal negligence or willful misconduct,
- (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 the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the Purchaser with respect to patent infringement

- 31. Change in Laws and Regulations**
- 31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's Country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.
- 32. Force Majeure**
- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 33. Change Orders and Contract Amendments**
- 33.1 The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipment or packing;
 - (c) the place of delivery; and

- (d) the Related Services to be provided by the Supplier.
- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.
- 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 33.4 **Value Engineering:** The Supplier may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following;
- (a) the proposed change(s), and a description of the difference to the existing contract requirements;
 - (b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle costs) the 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 or sustainability of the Goods; or
- (d) yields any other benefits to the Purchaser,

without compromising the necessary functions of the Facilities.

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 PCC** of the reduction in the Contract Price; or

- (b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in (a) to (d) above, the amount to be paid to the Supplier shall be the full increase in the Contract Price.

33.5 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. Extensions of Time

34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
 - (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34;
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) if the Supplier, in the judgment of the 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.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to

those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

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

35.3 Termination for Convenience.

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

36. Assignment

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

37. Export Restriction

37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the

Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Purchaser and of the Bank that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Purchaser's convenience pursuant to Sub-Clause 35.3.

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

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.

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.

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.

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
We: <ul style="list-style-type: none"> <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.
<p><i>[If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]</i></p>
Period of disqualification: From: _____ To: _____

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

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

GCC 1.1(i)	The Purchaser's Country is: Republic of Armenia
GCC 1.1(j)	The Purchaser is: "Center for Education Projects" PIU SA of MoESCS
GCC 1.1(o)	The Project Site(s)/Final Destination(s) is/are: Project Sites specified in Section VII, Schedule of Requirements.
GCC 1.1 (p)	<p>The term SEA/SH where used in the Contract has the following meaning:</p> <ul style="list-style-type: none"> • "Sexual Exploitation and Abuse" "(SEA)" means the following: <p>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.</p> <p>Sexual Abuse is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions.</p> • "Sexual Harassment" "(SH)" is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature by contractor's personnel with other contractor's, subcontractors' or employer's personnel.
GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Incoterms.
GCC 4.2 (b)	The version edition of Incoterms shall be Incoterms 2020.
GCC 5.1	The language shall be: English.

GCC 8.1	<p>For notices, the Purchaser’s address shall be:</p> <p>Attention: Mr. Grisha Hovhannisyan</p> <p>Street Address: 73 S. Vratsyan str.</p> <p>Floor/ Room number: 2nd floor</p> <p>City: Yerevan</p> <p>ZIP Code: 0070</p> <p>Country: Republic of Armenia</p> <p>Telephone: +374 10 575690</p> <p>Electronic mail address: info@cfep.am</p>
GCC 9.1	<p>The governing law shall be the law of: Republic of Armenia</p>
GCC 10.2	<p>The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows:</p> <p><i>(a) Contract with foreign Supplier:</i></p> <p>GCC 10.2 (a)—Any dispute, controversy or claim arising out of or relating to this Contract, or breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the UNCITRAL Arbitration Rules as at present in force.</p> <p><i>(b) Contracts with Supplier national of the Purchaser’s Country:</i></p> <p>In the case of a dispute between the Purchaser and a Supplier who is a national of the Purchaser’s Country, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser’s Country.</p>
GCC 13.1	<p>Details of Shipping and other Documents to be furnished by the Supplier are:</p> <p>For Goods supplied from abroad:</p> <p>Upon shipment, the Supplier shall notify the Purchaser and the Insurance Company by fax the full details of the shipment, including Contract number, description of Goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company:</p> <p>(i) Copies of the Supplier’s invoice showing date and sequential number of the invoice, Supplier’s and Purchaser’s names and addresses,</p>

	<p>Goods' description and specifications, quantity, unit price, and total amount, as provided in the Supplier's Price Schedule, costs of loading, unloading, transportation and insurance up to the Purchaser's country customs office (in separate lines), as well as prepayments received;</p> <p>(ii) Original and 2 copies of the negotiable, clean, on-board bill of lading marked "freight prepaid" and 2 copies of nonnegotiable bill of lading;</p> <p>(iii) Copies of the packing list identifying contents and weights of each package;</p> <p>(iv) Insurance certificate;</p> <p>(v) Manufacturer's or Supplier's warranty certificate;</p> <p>(vi) Certificate of origin.</p> <p>The above documents shall be fully compliant to the descriptions given above and be received by the Purchaser at least one week before arrival of the Goods at the port or place of arrival and, if not, the Supplier will be responsible for any consequent expenses.</p> <p>Right after customs clearance of the Goods the Purchaser will give them back to the Supplier by an acceptance letter for further fulfillment of Supplier's obligations such as in-land transportation to final destination points given in the Schedule of Delivery, installation, etc.</p> <p>For Goods supplied from within the Purchaser's country:</p> <p>Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and mail the following documents to the Purchaser:</p> <p>(i) copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;</p> <p>(ii) Manufacturer's or Supplier's warranty certificate;</p> <p>(iii) Certificate of origin.</p> <p>The above documents shall be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
GCC 14.9	Not Applicable
GCC 15.1	The prices charged for the Goods supplied and the related Services performed shall not be adjustable.

<p>GCC 16.1</p>	<p>GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment for Goods supplied from abroad:</p> <p>Payment of foreign currency portion shall be made in the currency of the Bid in the following manner:</p> <ul style="list-style-type: none"> (i) Advance Payment: Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract, and upon submission of claim and a bank guarantee for equivalent amount valid until the Goods are delivered and in the form provided in the bidding document or another form acceptable to the Purchaser. (ii) On Shipment: Eighty (80) percent of the Contract Price of the Goods shipped shall be paid through Bank transfer upon submission of documents specified in GCC Clause 13. (iii) On Acceptance: Ten (10) percent of the Contract Price of Goods received and ninety (90) percent Related Services /if applicable/ shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Purchaser /based on the signed Acceptance Acts between Supplier and Recipient /. <p>Payment of local currency portion shall be made in AMD within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.</p> <p>Payment for Goods and Services supplied from within the Purchaser’s Country:</p> <p>Payment for Goods and Services supplied from within the Purchaser’s Country shall be made in currency of the Bid, as follows:</p> <ul style="list-style-type: none"> (i) Advance Payment: Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract against a simple receipt and a bank guarantee for the equivalent amount and in the form provided in the bidding document or another form acceptable to the Purchaser. (ii) On Delivery: Eighty (80) percent of the Contract Price shall be paid on receipt of the Goods and upon submission of the documents specified in GCC Clause 13. (iii) On Acceptance: The remaining ten (10) percent of the Contract Price of Goods received and ninety (90) percent Related Services /if
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	applicable/ shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate for the respective delivery issued by the Purchaser /based on the signed Acceptance Acts between Supplier and Recipient/ .
GCC 16.5	The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 90 (ninety) days. The interest rate that shall be applied is 0.1 % per week .
GCC 18.1	A Performance Security shall be required . The amount of the Performance Security shall be: ten percent (10%) of the Contract Price . After delivery and acceptance of the Goods, the performance security shall be reduced to two percent (2%) of the Contract Price to cover the Supplier's warranty obligations in accordance with Clause GCC 28.1
GCC 18.3	If required, the Performance Security shall be in the form of: a Bank Guarantee . The Performance security shall be denominated in <i>the currencies of payment of the Contract, in accordance with their portions of the Contract Price</i> .
GCC 18.4	Discharge of the Performance Security shall take place: No any additional requirements .
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: No any additional requirements .
GCC 24.1	The insurance coverage shall be as specified in the Incoterms.
GCC 25.1	Responsibility for transportation of the Goods shall be as specified in the Incoterms. If not in accordance with Incoterms, responsibility for transportations shall be as follows: <i>The Supplier is required under the Contract to transport the Goods to a specified place of final destination within the Purchaser's Country, defined as the Project Site, transport to such place of destination in the Purchaser's Country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.</i>
GCC 25.2	Incidental services to be provided are: <i>N/A</i>

GCC 26.1	<p>The inspections and tests shall be:</p> <ul style="list-style-type: none"> • Inspection on correspondence to the Technical Specifications offered in the Supplier’s Bid (Conformity to the Technical Specifications) at the final destination points; • Inspection on physical conditions and functionality of the equipment at the final destination points (Defects and Damages Inspection). • Inspection on correspondence to the Technical Specifications offered in the Supplier’s Bid (Conformity to the Technical Specifications) and on physical conditions (Defects and Damages Inspection) at the premises of the Supplier before delivery to the final destination points for the five sample.
GCC 26.2	<p>The Inspections and tests shall be conducted at: the final places of destinations in the Purchaser’s Country as specified in the Section VII Schedule of Requirements.</p>
GCC 27.1	<p>The liquidated damage shall be: 0.5% per week for delayed goods.</p>
GCC 27.1	<p>The maximum amount of liquidated damages shall be: not exceed 10%.</p>
GCC 28.3	<p>The period of validity of the Warranty shall be: 12 (twelve) months.</p> <p>For purposes of the Warranty, the place(s) of final destination(s) shall be: Project Sites specified in Section VII Schedule of Requirements.</p>
GCC 28.5, GCC 28.6	<p>The period for repair or replacement shall be: 15 days.</p>
GCC 33.4	<p><i>N/A</i></p>

Section X - Contract Forms

Table of Forms

Notification of Intention to Award.....	202
Beneficial Ownership Disclosure Form.....	206
Letter of Acceptance.....	208
Contract Agreement.....	209
Performance Security.....	211
Advance Payment Security.....	213

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 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: *[email/fax]* on *[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:	<i>[insert name of successful Bidder]</i>
Address:	<i>[insert address of the successful Bidder]</i>
Contract price:	<i>[insert contract price of the successful Bid]</i>

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	Bid price	Evaluated Bid price (if applicable)
[insert name]	[insert Bid price]	[insert evaluated price]
[insert name]	[insert Bid price]	[insert evaluated price]
[insert name]	[insert Bid price]	[insert evaluated price]
[insert name]	[insert Bid price]	[insert evaluated price]
[insert name]	[insert Bid price]	[insert evaluated price]

3. Reason/s why your Bid was unsuccessful

[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] *delete if not used*

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

Period: Procurement-related Complaint challenging the decision to award shall be submitted by 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] delete if not used*

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.

Further information:

For more information see the [Procurement Regulations for IPF Borrowers \(Procurement Regulations\)](https://policies.worldbank.org/sites/ppf3/PPFDocuments/Forms/DispPage.aspx?docid=4005) [<https://policies.worldbank.org/sites/ppf3/PPFDocuments/Forms/DispPage.aspx?docid=4005>] (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](http://www.worldbank.org/en/projects-operations/products-and-services/brief/procurement-new-framework#framework)" [<http://www.worldbank.org/en/projects-operations/products-and-services/brief/procurement-new-framework#framework>] 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 bidding process, 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 period 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 as stated in Section 4 above.

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

On behalf of the Purchaser:

Signature: _____

Name: _____

Title/position: _____

Telephone: _____

Email: _____

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)
<i>[include full name (last, middle, first), nationality, country of residence]</i>			

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: *[insert signature of person whose name and capacity are shown above]*_____

Date signed *[insert date of signing]* **day of** *[insert month]*, *[insert year]*_____

* In the case of the 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

[use letterhead paper of the Purchaser]

[date]

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

Subject: **Notification of Award Contract No.**

This is to notify you that your Bid dated *[insert date]* for execution of the *[insert name of the contract and identification number, as given in the SCC]* for the Accepted Contract Amount of *[insert amount in numbers and words and name of currency]*, as corrected and modified in accordance with the Instructions to 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 45.1 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:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

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

THIS AGREEMENT made

the *[insert: number]* day of *[insert: month]*, *[insert: year]*.

BETWEEN

- (1) *[insert complete name of Purchaser]*, a *[insert description of type of legal entity, for example, an agency of the Ministry of of the Government of {insert name of Country of Purchaser}, or corporation incorporated under the laws of {insert name of Country of Purchaser}]* and having its principal place of business at *[insert address of Purchaser]* (hereinafter called “the Purchaser”), of the one part, and
- (2) *[insert name of Supplier]*, a corporation incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at *[insert: address of Supplier]* (hereinafter called “the Supplier”), of the other part:

WHEREAS the Purchaser invited Bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services

The Purchaser and the Supplier agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.
 - (a) the Letter of Acceptance
 - (b) the Letter of Bid
 - (c) the Addenda Nos. _____ (if any)
 - (d) Special Conditions of Contract
 - (e) General Conditions of Contract
 - (f) the Specification (including Schedule of Requirements and Technical Specifications)

- (g) the completed Schedules (including Price Schedules)
 - (h) any other document listed in GCC as forming part of the Contract
3. In consideration of the payments to be made by the Purchaser to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
 4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*
in the capacity of *[insert title or other appropriate designation]*
In the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

Performance Security

Option 1: (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]

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

Date: *_[Insert date of issue]*

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

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

We have been informed that *_[insert name of Supplier, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the supply of *_[insert name of contract and brief description of Goods and related Services]* (hereinafter called "the Contract").

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

At the request of the 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 such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

¹ *The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, and denominated either in the currency (ies) of the Contract or a freely convertible currency acceptable to the Beneficiary.*

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

² *Insert the date twenty-eight days after the expected completion date as described in GC Clause 18.4. The Purchaser should note that in the event of an extension of this date for completion of the Contract, the Purchaser would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Purchaser might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months] [one year], in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

Advance Payment Security

Demand Guarantee

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

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

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

We have been informed that *[insert name of Supplier, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the execution of *[insert name of contract and brief description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum *[insert amount in figures]* () *[insert amount in words]* is to be made 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

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.*

- (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 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]*, 2 *[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.