

STANDARD BIDDING DOCUMENT

Procurement of Goods

Single-Stage: One-Envelope Bidding Procedure

For projects governed by
Procurement Regulations for ADB Borrowers: Goods,
Works, Non consulting and
Consulting Services (2021)

Asian Development Bank
September 2021

BIDDING DOCUMENT

Procurement of Supply & Delivery of Laboratory Equipment for Analytical Biotechnology for the Faculty of Technology - Sabaragamuwa University of Sri Lanka

**Single-Stage: One-Envelope
Bidding Procedure**

Issued on:  03/5/2023

Invitation for Bids No.: **M O E / S T H R D / S B / E 2 9 B**

OCB No.: **M O E / S T H R D / S B / E 2 9 B**

Purchaser: Deputy Project Director

STHRD Project

Faculty of Technology

Sabaragamuwa University of Sri Lanka

Belihuloya

Country: Sri Lanka

Preface

This Bidding Document for Procurement of Goods has been prepared by Project Implementation Unit of STHRD Project, Faculty of Technology, Sabaragamuwa University of Sri Lanka, Belihuloya and is based on the Standard Bidding Document for the Procurement of Goods issued by the Asian Development Bank dated June 2018.

This document reflects the structure and the provisions of the Master Procurement Document for the Procurement of Goods, except where specific considerations within the Asian Development Bank have required a change.

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Section 1: Instructions to Bidders

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A. General

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| 1. Scope of Bid | <p>1.1 In connection with the Invitation for Bids (IFB) indicated in the Bid Data Sheet (BDS), the Purchaser, as indicated in the BDS, issues this Bidding Document for the supply of Goods and Related Services incidental thereto as specified in Section 6 (Schedule of Supply). The name, identification, and number of lots of the open competitive bidding (OCB) are provided in the BDS.</p> <p>1.2 Throughout this Bidding Document,</p> <ul style="list-style-type: none"> (a) the term “in writing” means communicated in written form and delivered against receipt; (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and (c) “day” means calendar day. |
| 2. Source of Funds | <p>2.1 The Borrower or Recipient (hereinafter called “Borrower”) indicated in the BDS has applied for or received financing (hereinafter called “funds”) from the Asian Development Bank (hereinafter called “ADB”) toward the cost of the project named in the BDS. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which this Bidding Document is issued.</p> <p>2.2 Payments by ADB will be made only at the request of the Borrower and upon approval by ADB in accordance with the terms and conditions of the Financing Agreement between the Borrower and ADB (hereinafter called the Financing Agreement), and will be subject in all respects to the terms and conditions of that Financing Agreement. No party other than the Borrower shall derive any rights from the Financing Agreement or have any claim to the funds.</p> |
| 3. Fraud and Corruption | <p>3.1 ADB requires Borrowers (including beneficiaries of ADB-financed activity) and their personnel, as well as firms and individuals participating in an ADB-financed activity, including but not limited to, Bidders, Suppliers, and Contractors, agents, subcontractors, subconsultants, service providers, subsuppliers, manufacturers (including their respective officers, directors, employees and personnel) under ADB-financed contracts to observe the highest standard of ethics during the procurement and execution of such contracts in accordance with ADB’s Anticorruption Policy (1998, as amended from time to time). In pursuance of this policy, ADB</p> <ul style="list-style-type: none"> (a) defines, for the purposes of this provision, the terms set forth below as follows: <ul style="list-style-type: none"> (i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party; (ii) “fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation; |

- (iii) “coercive practice” means 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;
 - (iv) “collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;
 - (v) “abuse” means theft, waste, or improper use of assets related to ADB-related activity, either committed intentionally or through reckless disregard;
 - (vi) “conflict of interest” means any situation in which a party has interests that could improperly influence that party’s performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations; and
 - (vii) “integrity violation” is any act, as defined under ADB’s Integrity Principles and Guidelines (2015, as amended from time to time), which violates ADB’s Anticorruption Policy, including (i) to (vi) above and the following: obstructive practice, violations of ADB sanctions, retaliation against whistleblowers or witnesses, and other violations of ADB’s Anticorruption Policy, including failure to adhere to the highest ethical standard.
- (b) will reject a proposal for award if it determines that the Bidder recommended for award or any of its officers, directors, employees, personnel, subconsultants, subcontractors, service providers, suppliers or manufacturers has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract;
 - (c) will cancel the portion of the financing allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of ADB-financing engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to ADB to remedy the situation, including by failing to inform ADB in a timely manner at the time they knew of the integrity violations;
 - (d) will impose remedial actions on a firm or an individual, at any time, in accordance with ADB’s Anticorruption Policy and Integrity Principles and Guidelines, including declaring ineligible, either indefinitely or for a stated period of time, to participate¹ in ADB-financed, -administered, or -supported activities or to benefit from an ADB-financed, -administered, or -supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices

¹ Whether as a Contractor, Subcontractor, Consultant, Manufacturer or Supplier, or Service Provider; or in any other capacity (different names are used depending on the particular Bidding Document).

or other integrity violations; and

- (e) will have the right to require that a provision be included in bidding documents and in contracts financed, administered, or supported by ADB, requiring Bidders, suppliers and contractors, consultants, manufacturers, service providers and other third parties engaged or involved in ADB-related activities, and their respective officers, directors, employees and personnel, to permit ADB or its representative to inspect the site and their assets, accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by ADB.

3.2 All Bidders, consultants, contractors, suppliers, manufacturers, service providers, and other third parties engaged or involved in ADB-related activities, and their respective officers, directors, employees and personnel, are obliged to cooperate fully in any investigation when requested by ADB to do so. As determined on a case by case basis by ADB, such cooperation includes, but is not limited to, the following:

- (a) being available to be interviewed and replying fully and truthfully to all questions asked;
- (b) providing ADB with any items requested that are within the party's control including, but not limited to, documents and other physical objects;
- (c) upon written request by ADB, authorizing other related entities to release directly to ADB such information that is specifically and materially related, directly or indirectly, to the said entities or issues which are the subject of the investigation;
- (d) cooperating with all reasonable requests to search or physically inspect their person and/or work areas, including files, electronic databases, and personal property used on ADB activities, or that utilizes ADB's Information and Communication Technology (ICT) resources or systems (including mobile phones, personal electronic devices, and electronic storage devices such as external disk drives);
- (e) cooperating in any testing requested by ADB, including but not limited to, fingerprint identification, handwriting analysis, and physical examination and analysis; and
- (f) preserving and protecting confidentiality of all information discussed with, and as required by, ADB.

3.3 All Bidders, consultants, contractors and suppliers shall require their officers, directors, employees, personnel, agents to ensure that, in its contracts with its subconsultants, Subcontractors and other third parties engaged or involved in ADB-related activities, such subconsultants, Subcontractors and other third parties similarly are obliged to cooperate fully in any investigation when requested by ADB to do so.

3.4 The Purchaser hereby puts the Bidder on notice that the Bidder or any Joint Venture partner of the Bidder (if any) may not be able to receive any payments under the Contract if the Bidder or any of its Joint Venture partners, as appropriate, is, or is owned (in whole or in part) by a person or entity subject to applicable sanctions.

3.5 Furthermore, Bidders shall be aware of the provision stated in Subclause 3.2 and Subclause 35.1 (a)(iii) of the General Conditions

of Contract.

4. Eligible Bidders

- 4.1 A Bidder may be a natural person, private entity, or government-owned enterprise subject to ITB 4.5-or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture. In the case of a Joint Venture,
- (a) all parties to the Joint Venture shall be jointly and severally liable; and
 - (b) the Joint Venture shall nominate a representative who shall have the authority to conduct all businesses for and on behalf of any and all the parties of the Joint Venture during the bidding process and, in the event the Joint Venture is awarded the Contract, during contract execution.
- 4.2 A Bidder, and all parties constituting the Bidder, shall have the nationality of an eligible country, in accordance with Section 5 (Eligible Countries). A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract, including related services.
- 4.3 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if any of, including but not limited to, the following apply:
- (a) they have controlling shareholders in common; or
 - (b) they receive or have received any direct or indirect subsidy from any of them; or
 - (c) they have the same legal representative for purposes of this Bid; or
 - (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to material information about or improperly influence the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
 - (e) a Bidder participates in more than one bid in this bidding process, either individually or as a partner in a Joint Venture, except for alternative offers permitted under ITB 13. This will result in the disqualification of all Bids in which it is involved. However, subject to any finding of a conflict of interest in terms of ITB 4.3(a)–(d) above, this does not limit the participation of a Bidder as a subcontractor in another bid or of a firm as a subcontractor in more than one Bid; or
 - (f) a Bidder, Joint Venture partner, associates, parent company or any affiliated entity, participated as a consultant in the preparation of the design or technical specifications of the

goods and services that are the subject of the Bid; or

- (g) a Bidder was affiliated with a firm or entity that has been hired (or is proposed to be hired) by the Purchaser or Borrower as Project Manager for the contract; or
 - (h) a Bidder would be providing goods, works, or nonconsulting 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
 - (i) A Bidder that has a financial or familial relationship with staff of the Purchaser including project implementing/executing agency, or of a recipient of a part of the loan who: (i) are directly or indirectly involved in the preparation of the bidding documents 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 ADB throughout the procurement process and execution of the contract.
- 4.4 A firm will not be eligible to participate in any procurement activities under an ADB-financed, -administered, or -supported project while under temporary suspension or debarment by ADB pursuant to its Anticorruption Policy (see ITB 3), whether such debarment was directly imposed by ADB, or enforced by ADB pursuant to the Agreement for Mutual Enforcement of Debarment Decisions. A bid from a temporarily suspended or debarred firm will be rejected and such bid may be in breach of debarment conditions, thereby subject to further ADB's investigation.
- 4.5 Government-owned enterprises in the Purchaser's country shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under commercial law, and (iii) are not dependent agencies of the Purchaser.
- 4.6 A Bidder shall not be under suspension from Bidding by the Purchaser as a result of the execution of a Bid–Securing Declaration.
- 4.7 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 4.8 Bidders shall be excluded if, 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, or payments to, a particular country, person or entity in respect of goods or services originating in that country. Where the Borrower's country prohibits payments to a particular person or entity or for particular goods or services by such an act of compliance, that firm shall be excluded.
- 5. Eligible Goods and Related Services**
- 5.1 All Goods and Related Services to be supplied under the Contract and financed by ADB, shall have their country of origin in eligible source countries as defined in ITB 4.2, and all expenditures under the Contract will be limited to such Goods and Related Services.

- 5.2 For purposes of this clause, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, transportation, installation, commissioning, training, and initial maintenance.
- 5.3 The term “country of 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 imported components.
- 5.4 The nationality of the firm that produces, assembles, distributes, or sells the goods shall not determine their origin.

B. Contents of Bidding Document

6. **Sections of the Bidding Document** 6.1 The Bidding Document consists of Parts I, II, and III, which include all the sections indicated below, and should be read in conjunction with any addenda issued in accordance with ITB 8.

PART I Bidding Procedures

- Section 1 Instructions to Bidders (ITB)
- Section 2 Bid Data Sheet (BDS)
- Section 3 Evaluation and Qualification Criteria (EQC)
- Section 4 Bidding Forms (BDF)
- Section 5 Eligible Countries (ELC)

PART II Supply Requirements

- Section 6 Schedule of Supply (SS)

PART III Conditions of Contract and Contract Forms

- Section 7 General Conditions of Contract (GCC)
- Section 8 Special Conditions of Contract (SCC)
- Section 9 Contract Forms (COF)

- 6.2 The IFB issued by the Purchaser is not part of the Bidding Document.
- 6.3 The Purchaser is not responsible for the completeness of the Bidding Document and its addenda, if they were not obtained directly from the source stated by the Purchaser in the IFB.
- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document, may result in the rejection of the Bid.

7. **Clarification of Bidding Document** 7.1 A prospective Bidder requiring any clarification on the Bidding Document shall contact the Purchaser in writing at the Purchaser's address indicated in the BDS. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than 21 days prior to the deadline for submission of Bids. 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. Should the Purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB 8 and ITB 24.2.

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| 8. Amendment of Bidding Document | <p>8.1 At any time prior to the deadline for submission of the Bids, the Purchaser may amend the Bidding Document by issuing addenda.</p> <p>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 directly from the Purchaser in accordance with ITB 6.3.</p> <p>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 the Bids, pursuant to ITB 24.2.</p> |
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C. Preparation of Bids

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| 9. Cost of Bidding | <p>9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.</p> |
| 10. Language of Bid | <p>10.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.</p> |
| 11. Documents Comprising the Bid | <p>11.1 The Bid shall comprise the following:</p> <ul style="list-style-type: none"> (a) Bid Submission Sheet and the applicable Price Schedules, in accordance with ITB 12, ITB 14, and ITB 15; (b) Bid Security or Bid-Securing Declaration, in accordance with ITB 21; (c) alternative Bids, if permissible, in accordance with ITB 13; (d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 22; (e) documentary evidence in accordance with ITB 16, establishing the Bidder's eligibility to bid; (f) documentary evidence in accordance with ITB 17, that the Goods and Related Services to be supplied by the Bidder are of eligible origin; (g) documentary evidence in accordance with ITB 18 and ITB 31, that the Goods and Related Services conform to the Bidding Document; (h) documentary evidence in accordance with ITB 19, establishing the Bidder's qualifications to perform the contract if its Bid is accepted; and |

- (i) any other document required in the BDS.

12. Bid Submission Sheet and Price Schedules

- 12.1 The Bidder shall submit the Bid Submission Sheet using the form furnished in Section 4 (Bidding Forms). This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 12.2 The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section 4 (Bidding Forms) and as required in the BDS.

13. Alternative Bids

- 13.1 Unless otherwise indicated 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 Bid Submission Sheet and in the Price Schedules shall conform to the requirements specified below.
- 14.2 All items in the Schedule of Supply must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is substantially responsive, the corresponding adjustment shall be applied in accordance with ITB 32.3. Unit rates and prices for all items in the Schedule of Supply shall be expressed in positive values. If unit rates and prices are expressed in negative values, the bid will be rejected.
- 14.3 The price to be quoted in the Bid Submission Sheet shall be the total price of the Bid excluding any discounts offered. Absence of the total bid price in the Bid Submission Sheet may result in the rejection of the Bid.
- 14.4 The Bidder shall quote discounts and the methodology for their application in the Bid Submission Sheet.
- 14.5 The terms EXW, CIF, 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, at the date of the Invitation for Bids or as specified in the BDS.
- 14.6 Prices shall be quoted as specified in each Price Schedule included in Section 4 (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

- (a) for Goods offered from within 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 goods quoted ex works or ex factory, or on the previously imported goods of foreign origin quoted ex warehouse, ex showroom, or off-the-shelf;
 - (ii) sales tax and all other taxes applicable in the Purchaser's country and payable on the Goods if the Contract is awarded to the Bidder; and
 - (iii) the total price for the item.
- (b) for Goods offered from outside the Purchaser's country:
- (i) the price of the goods quoted CIF (named port of destination), or CIP (border point), or CIP (named place of destination), in the Purchaser's country, as specified in the BDS;
 - (ii) the price of the goods quoted FOB port of shipment (or FCA, as the case may be), if specified in the BDS; and
 - (iii) the total price for the item.
- (c) for Related Services whenever such are specified in the Schedule of Supply:
- (i) the local currency cost component of each item comprising the Related Services; and
 - (ii) the foreign currency cost component of each item comprising the Related Services, inclusive of all customs duties, sales and other similar taxes applicable in the Purchaser's country, payable on the Related Services, if the Contract is awarded to the Bidder.
- 14.7 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 31. If in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract in accordance with Clause 15.2 of the General Conditions of Contract in Section 7, a Bid submitted with a fixed price will also be treated as nonresponsive and be rejected.
- 14.8 If so indicated pursuant to ITB 1.1, Bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated 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 any price discount for the award of more than one Contract shall specify in their bid the price discount applicable to each package, or alternatively, to individual Contracts within the package. Price discounts shall be submitted in accordance with ITB 14.4, provided the bids for all lots are submitted and opened at the same time.

15. Currencies of

- 15.1 Bid prices shall be quoted in the following currencies:

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| Bid | <ul style="list-style-type: none"> (a) Bidders may express their bid price in any freely convertible currency. If a Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly. (b) If some of the expenditures for the Related Services are to be incurred in the borrowing country, such expenditures should be expressed in the Bid and will be payable in the Purchaser's currency. |
| 16. Documents Establishing the Eligibility of the Bidder | <p>16.1 To establish their eligibility in accordance with ITB 4, Bidders shall</p> <ul style="list-style-type: none"> (a) complete the eligibility declarations in the Bid Submission Sheet, included in Section 4 (Bidding Forms); and (b) if the Bidder is an existing or intended Joint Venture in accordance with ITB 4.1, submit a copy of the Joint Venture Agreement, or a letter of intent to enter into such an agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended Joint Venture, as appropriate. |
| 17. Documents Establishing the Eligibility of the Goods and Related Services | <p>17.1 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 4 (Bidding Forms).</p> |
| 18. Documents Establishing the Conformity of the Goods and Related Services to the Bidding Document | <p>18.1 To establish the conformity of the Goods and Related Services to the Bidding Document, the Bidder shall furnish as part of its Bid documentary evidence that the Goods and Related Services conform to the requirements specified in Section 6 (Supply of Supply).</p> <p>18.2 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 those requirements, and if applicable, a statement of deviations and exceptions to the provisions of Section 6 (Schedule of Supply).</p> <p>18.3 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in Section 6 (Schedule of Supply), 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 Section 6 (Schedule of Supply).</p> |
| 19. Documents Establishing the Qualifications of the Bidder | <p>19.1 The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Purchaser's satisfaction that the Bidder meets each of the qualification criterion specified in Section 3 (Evaluation and Qualification Criteria).</p> |

- 19.2 If so 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 4 (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.
- 19.3 If so required in the BDS, a Bidder that does not conduct business within the Purchaser's country shall submit evidence that it will be 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.
- 20. Period of Validity of Bids**
- 20.1 Bids shall remain valid for the bid validity period specified in the BDS. The bid validity period starts from the date fixed for the bid submission deadline date prescribed by the Purchaser in accordance with ITB 24.1. A Bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.
- 20.2 In exceptional circumstances, prior to the expiration of the bid validity period, 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 21, it shall also be extended 28 days beyond the deadline of the extended bid validity period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its Bid.
- 21. Bid Security/ Bid-Securing Declaration**
- 21.1 Unless otherwise specified in the BDS, the Bidder shall furnish as part of its Bid, in original form, either a Bid-Securing Declaration or a bid security as specified in the BDS. In the case of a bid security, the amount and currency shall be as specified in the BDS.
- 21.2 If a Bid-Securing Declaration is required pursuant to ITB 21.1, it shall use the form included in Section 4 (Bidding Forms). The Purchaser will declare a Bidder ineligible to be awarded a Contract for a specified period of time, as indicated in the BDS, if a Bid-Securing Declaration is executed.
- 21.3 If a bid security is specified pursuant to ITB 21.1, the bid security shall be, at the Bidder's option, in any of the following forms:
- (a) an unconditional bank guarantee (hard copy of the bank guarantee or in the form of SWIFT message MT760), or
 - (b) an irrevocable letter of credit, or
 - (c) a cashier's or certified check.
- all from a reputable source from an eligible country as described in Section 5 (Eligible Countries). In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section 4 (Bidding Forms), or another form acceptable to the Purchaser. The form must include the complete name of the Bidder. The bid security shall be valid for 28 days beyond the original

validity period of the bid, or beyond any period of extension if requested under ITB 20.2.

- 21.4 Unless otherwise specified in the BDS, any bid not accompanied by a substantially compliant bid security or Bid-Securing Declaration, if one is required in accordance with ITB 21.1, shall be rejected by the Purchaser as nonresponsive.
- 21.5 If a bid security is specified pursuant to ITB 21.1, the bid security of unsuccessful Bidders shall be returned promptly upon the successful Bidder's furnishing of the performance security pursuant to ITB 45.
- 21.6 If a bid security is specified pursuant to ITB 21.1, the bid security of the successful Bidder shall be returned promptly once the successful Bidder has signed the Contract Agreement and furnished the required performance security.
- 21.7 The bid security may be forfeited or the Bid-Securing Declaration executed, if
 - (a) notwithstanding ITB 26.3, a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Sheet, except as provided in ITB 20.2; or
 - (b) the successful Bidder fails to
 - (i) sign the Contract Agreement in accordance with ITB 44;
 - (ii) furnish a performance security in accordance with ITB 45; or
 - (iii) accept the arithmetical corrections of its bid in accordance with ITB 33.
- 21.8 If the bid security is required as per ITB 21.1, the bid security of a Joint Venture shall be in the name of the Joint Venture that submits the Bid. If the Joint Venture has not been legally constituted at the time of bidding, the bid security shall be in the name of any or all of the Joint Venture partners. If the Bid-Securing Declaration is required as per ITB 21.1, the Bid-Securing Declaration of a Joint Venture shall be in the name of the Joint Venture that submits the Bid. If the Joint Venture has not been legally constituted at the time of bidding, the Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent mentioned in ITB 4.1.

22. Format and Signing of Bid

- 22.1 The Bidder shall prepare one original set 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.
- 22.2 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. If a Bidder submits a deficient authorization, the Bid shall not be rejected in the first instance. The Purchaser shall request the Bidder to submit an acceptable authorization within the number of days as specified in the BDS. Failure to provide an acceptable authorization within the period stated in the Purchaser's request shall cause the rejection of the Bid. If either the Bid Submission Sheet or the Bid-Securing Declaration (if applicable) is not signed, the Bid shall be rejected.

- 22.3 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

D. Submission and Opening of Bids

23. Sealing and Marking of Bids

- 23.1 Bidders shall submit their Bids as specified in the BDS. Procedures for submission, sealing and marking are as follows:

- (a) Bidders submitting Bids by mail or by hand shall enclose the original and each copy of the Bid, including alternative Bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB 23.2 and ITB 23.3.
- (b) Bidders submitting Bids electronically shall follow the electronic bid submission procedures specified in the BDS.

- 23.2 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 24.1;
- (c) bear the specific identification of this bidding process pursuant to ITB 1.1 and any additional identification marks as specified in the BDS; and
- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB 27.1.

- 23.3 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.

24. Deadline for Submission of Bids

- 24.1 Bids must be received by the Purchaser at the address and no later than the date and time indicated in the BDS.

- 24.2 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.

- 25. Late Bids**
- 25.1 The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 24. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.
- 26. Withdrawal, Substitution, and Modification of Bids**
- 26.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 22.2 (except for withdrawal notices, which 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 22 and ITB 23 (except for withdrawal notices, which do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," "MODIFICATION;" and
 - (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB 24.
- 26.2 Bids requested to be withdrawn in accordance with ITB 26.1 shall be returned unopened to the Bidders.
- 26.3 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 Bid Submission Sheet or any extension thereof.
- 27. Bid Opening**
- 27.1 The Purchaser shall open the Bids in public at the address, on the date, and time 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 23.1, shall be as specified in the BDS.
- 27.2 First, envelopes marked "WITHDRAWAL" shall be opened, read out, and recorded, and the envelope containing the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened, read out, recorded, and exchanged for the corresponding Bid being substituted. The substituted Bid shall not be opened, but returned unopened 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 and recorded at bid opening. Envelopes marked "MODIFICATION" shall be opened, read out, and recorded 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 and recorded at bid opening. Only envelopes that are opened, read out, and recorded at bid opening shall be considered further.
- 27.3 All other envelopes shall be opened one at a time, reading out the name of the Bidder and whether there is a modification; the Bid

Prices (per lot if applicable), discounts, and alternative offers; the presence of a bid security or a Bid-Securing Declaration, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out and recorded at bid opening shall be considered for evaluation. Unless otherwise specified in the BDS, all pages of the Bid Submission Sheet and Price Schedules are to be initialed by at least three representatives of the Purchaser attending the bid opening. No Bid shall be rejected at bid opening except for late bids, in accordance with ITB 25.1.

- 27.4 The Purchaser shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, any discounts, and alternative offers if they were permitted; and the presence or absence of a bid security or Bid-Securing Declaration, if one was required. 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 who submitted bids on time, and posted online if electronic bidding was permitted.

E. Evaluation and Comparison of Bids

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| 28. Confidentiality | <p>28.1 Information relating to the examination, evaluation, comparison, and postqualification of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until the publication of Contract award.</p> <p>28.2 Any attempt by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and postqualification of the Bids or Contract award decisions may result in the rejection of its Bid.</p> <p>28.3 Notwithstanding ITB 28.2, 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.</p> |
| 29. Clarification of Bids | <p>29.1 To assist in the examination, evaluation, comparison and post-qualification of the Bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder with regard 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 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 33.</p> <p>29.2 If a Bidder does not provide clarifications on its Bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.</p> |
| 30. Deviations, Reservations, and Omissions | <p>30.1 During the evaluation of Bids, the following definitions apply:</p> <p>(a) "Deviation" is a departure from the requirements specified in the Bidding Document;</p> <p>(b) "Reservation" is the setting of limiting conditions or withholding</p> |

- 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.
- 31. Determination of Responsiveness**
- 31.1 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.
- 31.2 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 Section 6 (Schedule of Supply); or
- (ii) limits in any substantial way, inconsistent with the Bidding Document, the Purchaser's rights or the Bidder's obligations under the proposed Contract; or
- (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.
- 31.3 The Purchaser shall examine the technical aspects of the Bid in particular, to confirm that all requirements of Section 6 (Schedule of Supply) have been met without any material deviation, reservation, or omission.
- 31.4 If a Bid is not substantially responsive to the requirements of the 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.
- 32. Nonmaterial Nonconformities**
- 32.1 Provided that a Bid is substantially responsive, the Purchaser may waive nonconformities in the bid that do not constitute a material deviation, reservation, or omission.
- 32.2 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. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 32.3 Provided that a Bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities or omissions related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section 3 (Evaluation and Qualification Criteria).
- 33. Correction of Arithmetical**
- 33.1 Provided that the Bid is substantially responsive, the Purchaser shall

Errors	correct arithmetical errors on the following basis:
	(a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected. (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. (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.
	33.2 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected, and its bid security may be forfeited, or its Bid-Securing Declaration executed.
34. Conversion to Single Currency	34.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as specified in the BDS.
35. Domestic Preference	35.1 Unless otherwise specified in the BDS, domestic preference shall not apply.
36. Evaluation and Comparison of Bids	36.1 The Purchaser shall use the criteria and methodologies indicated in this clause. No other criteria or methodologies shall be permitted. 36.2 To evaluate a Bid, the Purchaser shall consider the following: (a) the bid price as quoted in accordance with ITB 14; (b) price adjustment for correction of arithmetic errors in accordance with ITB 33.1; (c) price adjustment due to discounts offered in accordance with ITB 14.4; (d) adjustment for nonmaterial nonconformities in accordance with ITB 32.3; (e) assessment whether the bid is abnormally low in accordance with ITB 37; and (f) price adjustment due to application of the evaluation criteria specified in Section 3 (Evaluation and Qualification Criteria). These criteria may include factors related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services which shall be expressed to the extent practicable in monetary terms to facilitate comparison of bids unless otherwise specified in

Section 3; and

- (g) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 34.

36.3 The Purchaser's evaluation of a bid will exclude and not take into account,

- (a) in the case of Goods offered from within the Purchaser's country, all sales tax and all other taxes, applicable in the Purchaser's country and payable on the Goods if the Contract is awarded to the Bidder;
- (b) in the case of Goods offered from outside the Purchaser's country, all customs duties, sales tax, and other taxes, applicable in the Purchaser's country and payable on the Goods if the Contract is awarded to the Bidder; and
- (c) any allowance for price adjustment during the period of performance of the Contract, if provided in the Bid.

36.4 If the Bidding Document allows Bidders to quote separate prices for different lots (contracts), and the award to a single Bidder of multiple lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Bid Submission Sheet, is specified in Section 3 (Evaluation and Qualification Criteria).

36.5 The Purchaser shall compare all substantially responsive Bids to determine the lowest evaluated bid, in accordance with ITB 36.2.

37. Abnormally Low Bids

37.1 An abnormally low bid is one where the bid price, in combination with other elements of the bid, appears to be so low that it raises concerns as to the capability of the Bidder to perform the contract for the offered bid price.

37.2 When the offered bid price appears to be abnormally low, the Purchaser shall undertake a three-step review process as follows:

- (a) identify abnormally low costs and unit rates by comparing them with the engineer's estimates, other substantially responsive bids, or recently awarded similar contracts;
- (b) clarify and analyze the bidder's resource inputs and pricing, including overheads, contingencies and profit margins; and
- (c) decide whether to accept or reject the bid.

37.3 With regard to ITB 37.2 (b) above, the Purchaser will seek a written explanation from the bidder of the reasons for the offered bid price, including a detailed analysis of costs and unit prices, by reference to the scope, proposed methodology, schedule, and allocation of risks and responsibilities. This may also include information regarding the economy of the manufacturing process; the services to be provided, or the construction method to be used; the technical solutions to be adopted; and any exceptionally favorable conditions available to the bidder for the goods or services proposed.

37.4 After examining the explanation given and the detailed price analyses

presented by the bidder, the Purchaser may:

- (a) accept the bid, if the evidence provided satisfactorily accounts for the low bid price and costs, in which case the bid is not considered abnormally low;
- (b) accept the bid, but require that the amount of the performance security be increased at the expense of the bidder to a level sufficient to protect the Purchaser against financial loss. The amount of the performance security shall generally be not more than 20% of the contract price; or
- (c) reject the bid if the evidence provided does not satisfactorily account for the low bid price, and make a similar determination for the next lowest evaluated bid, if required

38. Post-qualification of the Bidder

- 38.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive Bid is qualified to perform the Contract satisfactorily.
- 38.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 19. Unless permitted in the BDS, the determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, or affiliates.
- 38.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. The Purchaser reserves the right to reject the bid of any bidder found to be in circumstances described in GCC 35.2. A negative determination shall result in disqualification of the Bid, in which event the Purchaser shall proceed to the next lowest evaluated Bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

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

- 39.1 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 the Bidders. In case of annulment, all Bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

40. Notice of Intention for Award of Contract

- 40.1 If Standstill provisions apply as specified in the BDS, the standstill period shall be defined in the BDS to specify the duration subsequent to notification of intention for award of contract (before making the actual contract award) within which any unsuccessful bidder can challenge the proposed award.

F. Award of Contract

41. Award Criteria

- 41.1 The Purchaser shall award the Contract to the Bidder whose offer has been determined, in line with ITB 36 to ITB 38 above, to be the lowest evaluated Bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

42. Purchaser's

- 42.1 At the time the Contract is awarded, the Purchaser reserves the right

Right to Vary Quantities at Time of Award		to increase or decrease the quantity of Goods and Related Services originally specified in Section 6 (Schedule of Supply), provided this does not exceed the percentages indicated 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 expiration of the period of bid validity and upon expiry of the standstill period specified in ITB 40.1, or upon satisfactory resolution of a complaint filed within standstill period, if applicable, the Purchaser shall transmit the Notification of Award using the form included in Section 9 (Contract Forms) to the successful Bidder, in writing, that its Bid has been accepted. At the same time, the Purchaser also notify all other Bidders of the results of the bidding.
	43.2	Unless standstill period applies, upon notification of award, unsuccessful Bidders may request in writing to the Purchaser for a debriefing seeking explanations on the grounds on which their Bids were not selected. The Purchaser shall promptly respond in writing and/or in a debriefing meeting to any unsuccessful Bidder who, after publication of contract award, requests a debriefing.
	43.3	Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
	43.4	Within 2 weeks of the award of contract or expiry of the standstill period, where such period applies, or, if a complaint has been filed within the standstill period, upon receipt of ADB's confirmation of satisfactory resolution of the complaint, the Borrower shall publish in an English language newspaper or well-known freely accessible website the results identifying the Bid and lot or package numbers as applicable and the following information: (a) name of each Bidder who submitted a Bid; (b) bid prices as read out at bid opening; (c) name and evaluated prices of each Bid that was evaluated; (d) name of Bidders whose Bids were rejected and the reasons for their rejection; and (e) name of the winning Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded.
44. Signing of Contract	44.1	Promptly after notification, the Purchaser shall send to the successful Bidder the Contract Agreement.
	44.2	Within 28 days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
45. Performance Security	45.1	Within 28 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security in accordance with the GCC, subject to ITB 37, using for that purpose the Performance Security Form included in Section 9 (Contract Forms), or another form acceptable to the Purchaser. If the bank issuing performance security is located outside the Purchaser's

country, it shall be counter-guaranteed or encashable by a bank in the Purchaser's country.

- 45.2 Failure of the successful Bidder to submit the abovementioned performance security or sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security or execution of the Bid-Securing Declaration. In that event, the Purchaser may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

**46. Bidding-
Related
Complaints**

- 46.1 The procedures for dealing with Bidding-Related Complaints arising out of this bidding process are specified in the BDS.

Section 2: Bid Data Sheet

A. General							
ITB 1.1	The number of the Invitation for Bids (IFB) is: MOE/ STHRD/SB/E29B						
ITB 1.1	The Purchaser is: Sabaragamuwa University of Sri Lanka						
ITB 1.1	The name of the open competitive bidding (OCB) is: Procurement of Supply & Delivery of Laboratory Equipment for Analytical Biotechnology for the Faculty of Technology - Sabaragamuwa University of Sri Lanka The identification number of the OCB is: MOE/ STHRD/SB-E29B (Two Lots) <table border="1"> <thead> <tr> <th>Lot No.</th> <th>Name of Goods or Related Services</th> </tr> </thead> <tbody> <tr> <td>Lot 01</td> <td>Biology Lab glassware, chemicals, and consumables-II</td> </tr> <tr> <td>Lot 02</td> <td>Microbiology Lab equipment, chemicals, and consumables</td> </tr> </tbody> </table>	Lot No.	Name of Goods or Related Services	Lot 01	Biology Lab glassware, chemicals, and consumables-II	Lot 02	Microbiology Lab equipment, chemicals, and consumables
Lot No.	Name of Goods or Related Services						
Lot 01	Biology Lab glassware, chemicals, and consumables-II						
Lot 02	Microbiology Lab equipment, chemicals, and consumables						
ITB 2.1	The Borrower is: The Democratic Socialist Republic of Sri Lanka						
ITB 2.1	The name of the Project is: Science and Technology Human Resource Development Project (STHRD Project)						
B. Contents of Bidding Document							
ITB 7.1	For clarification purposes only, the Purchaser's address is: Attention: Prof.K.R.Koswaththage,, Dean, Faculty of Technology Sabaragamuwa University of Sri Lanka Street address: P.O Box 2, Floor/Room number: Dean's Office, Faculty of Technology, Sabaragamuwa University of Sri Lanka City: Belihuloya ZIP code: 70140 Country: Sri Lanka Telephone: 0452280298 E-mail: koswattagekr@appsc.sab.ac.lk <u>Pre-Bid meeting</u> Date and time: will be Informed in advance Venue: STHRD PIU office, Faculty of Technology, Sabaragamuwa University of Sri Lanka, Address: Belihuloya, Sri Lanka and online zoom platform.						

C. Preparation of Bids	
ITB 10.1	The language of the Bid is: English
ITB 11.1 (i)	The Bidder shall submit with its Bid the following additional documents: For private/government entities: a copy of the company/business constitution/ incorporation/registration document showing the reference no and date and place of issue. For a joint venture: in addition to the appropriate information as above for each partner; a copy of the Joint Venture Agreement, or a Letter of Intent to enter into such an agreement together with a copy of the proposed agreement/memorandum. All documents to be signed by all legally authorized signatories of all the parties. in accordance with ITB 16.1 (a) and (b). Certificates, evidencing involvement in similar Schedule of Supply during the last 3 years. (Fro year 2020) PCA 3 Certificate issued by the Public Contract Registrar of Sri Lanka .
ITB 12.2	The units and rates in figures entered into the Price Schedules should be typewritten or if written by hand, must be in print form. Price Schedules not presented accordingly may be considered non-responsive.
ITB 13.1	Alternative and Optional Bids shall not be permitted.
ITB 14.5	The Incoterms edition is: Incoterms 2010
ITB 14.6 (a) (i), (ii) and (iii)	For goods offered from within the Purchaser's country, the Bidder shall quote prices using the following incoterms The prices of the goods quoted EXW in local currency. (Ex - Works, Ex-Factory, Ex-Warehouse. Ex-Showrooms or Off-the-Shelf as applicable)
ITB 14.6 (b) (i)	For Goods offered from outside the Purchaser's country, the Bidder shall quote prices as per the price schedule.
ITB 14.6 (b) (ii)	In addition to the above, the bidder shall quote prices for goods offered from outside the purchaser's country, using the following incoterms: Not Applicable
ITB 14.7	The prices quoted by the Bidder shall not be adjustable.
ITB 14.8	Prices quoted for each lot shall correspond at least to 100 % of the items specified for each lot. Prices quoted for each item of a lot shall correspond at least to 100 % of the quantities specified for this item of a lot.
ITB 19.2	The Bidder is required to submit documentation to substantiate that it is an authorized dealer, distributor or reseller of the goods being procured.
ITB 19.3	The Bidder is required to include with its bid, evidence that it will be represented by an Agent in the Purchaser's country.
ITB 20.1	The bid validity period shall be 90 days from 21/06/2023 (Valid till 18 th September 2023)

ITB 21.1	The Bidder shall furnish bid security in the amount of LKR,		
	Lot No.	Name of Goods or Related Services	Bid security Value
	Lot 01	Biology Lab glassware, chemicals, and consumables-II	175,000.00
	Lot 02	Microbiology Lab equipment, chemicals, and consumables	210,000.00
	The Bid Security should be valid for 120 days from the date of the Bid opening 21/06/2023. (bid Security should be valid till 18 th October 2023) (The format of the Bid security is attached in Section 4 Bidding Forms)		
ITB 21.2	The ineligibility period will be Not Applicable		
ITB 21.4	Subject to the succeeding sentences, any bid not accompanied by an irrevocable and callable bid security shall be rejected by the Purchaser as non-responsive. If a Bidder submits bid security that (i) deviates in form, amount, and/or period of validity, or (ii) does not provide sufficient identification of the Bidder (including, without limitation, failure to indicate the name of the Joint Venture or, where the Joint Venture has not yet been constituted, the names of all future Joint Venture Partners), the Purchaser shall request the Bidder to submit compliant bid security within14 days of receiving such a request. Failure to provide compliant bid security within the prescribed period of receiving such a request shall cause the rejection of the Bid.		
ITB 22.1	In addition to the original Bid, the number of copies is: 01		
ITB 22.2	The written confirmation of Authorization to sign on behalf of the Bidder shall consist of: An organizational document, board resolution or its equivalent, or power of attorney specifying the representative’s authority to sign the Bid on behalf of, and to legally bind, the Bidder. If the Bidder is an intended or an existing joint venture, the power of attorney should be signed by all partners and specify the authority of the named representative of the joint venture to sign on behalf of, and legally bind, the intended or existing joint venture. If the joint venture has not yet been formed, also include evidence from all proposed joint venture partners of their intent to enter into a joint venture in the event of a contract award in accordance with ITB 16.1 (b)		
ITB 22.2	The Bidder shall submit an acceptable authorization within 14 days .		
D. Submission and Opening of Bids			
ITB 23.1	Bidders shall not have the option of submitting their bids electronically.		
ITB 23.1 (b)	If Bidders shall have the option of submitting their bids electronically, the electronic bidding submission procedures shall be: Not Applicable		
ITB 23.2 (c)	The additional identification marks are: Not Applicable		

ITB 24.1	For bid submission purposes only, the Purchaser's address is: Attention: Prof. K.R. Koswattage Deputy Project Director Project Implementation Unit, STHRD Project, Faculty of Technology, Sabaragamuwa University of Sri Lanka Belihuloya Floor/Room number: Dean's Office, Faculty of Technology, Sabaragamuwa University of Sri Lanka City: Belihuloya ZIP code: 70140 Country: Sri Lanka
ITB 24.1	The deadline for bid submission is: Date: 21st June 2023 Time: 10.00 Hrs
ITB 27.1	The bid opening shall take place at: Project Implementation Unit STHRD Project Sabaragamuwa University of Sri Lanka Floor/Room number: Dean's office, Faculty of Technology, Sabaragamuwa University of Sri Lanka. City: Belihuloya Country: Sri Lanka Date: 21st June 2023 Time: 11:00 Hrs
ITB 27.1	The electronic bid opening procedure shall be as follows: Not Applicable
ITB 27.3	The Bid Submission Sheet and Price Schedules shall be initiated by one (01) representative of the Purchaser attending Bid opening.
E. Evaluation and Comparison of Bids	
ITB 34.1	The currency that shall be used for bid evaluation and comparison purposes to convert all bid prices expressed in United State Dollars into a single currency is: LKR The source of the selling exchange rate shall be: Central Bank of Sri Lanka The date for the selling exchange rate shall be: Bid submission date given in ITB 24.1
ITB 35.1	Domestic preference shall not apply.
ITB 38.2	The qualifications of other firms such as the Bidder's subsidiaries, parent entities, and affiliates shall not be permitted.

ITB 40.1	Standstill provisions shall not apply.
F. Award of Contract	
ITB 41.1	The maximum percentage by which quantities may be increased is: 10% The maximum percentage by which quantities may be decreased is: 10%
ITB 46.1	The procedures for Bidding-Related Complaints are referenced in the Procurement Regulations for ADB Borrowers (Appendix 7). The Bidder should submit its complaint following these procedures, in writing, to: For the attention: Prof. C.S.Lewangamage Title/Position: Project Director Purchaser: Science and Technology Human Resource Development Project E-mail address: pd-sthrd@mohe.gov.lk Fax number: 011 2791278

Section 3: Evaluation and Qualification Criteria

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1. Evaluation Criteria

1.1 Technical Criteria

The cost of all quantifiable deviations or deficiencies from the technical requirements as specified in Section 6 (Schedule of Supply) shall be evaluated. The Purchaser will make its own assessment of the cost of these deviations or deficiencies for the purpose of ensuring fair comparison of Bids.

1.2 Domestic Preference

If domestic preference is provided for under ITB 35.1, the following procedure shall apply: Not Applicable

1.3 Economic Criteria

1.3.1 Adjustment for Scope

1.3.1.1 Local Handling and Inland Transportation

Costs for inland transportation, insurance, and other incidental costs for delivery of the goods from the EXW premises, or port of entry, or border point to Project Site as defined in Section 6 (Schedule of Supply), shall be quoted in the Price Schedule for Related Services to Be Offered from Outside and Within the Purchaser's Country provided In Section 4 (Bidding Forms). These costs will be taken into account during bid evaluation. If a Bidder fails to include such costs in its Bid, then these costs will be estimated by the Purchaser on the basis of published tariffs by the rail or road transport agencies, insurance companies, or other appropriate sources, and added to EXW or CIF or CIP price.

1.3.1.2 Minor Omissions or Missing Items

Pursuant to ITB 32.3, the cost of all quantifiable nonmaterial nonconformities or omissions from the contractual and commercial conditions shall be evaluated. The Purchaser will make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of Bids.

1.3.2 Adjustment for Deviations from the Terms of Payment

Deviations from the Terms of Payment as specified in SCC 16.1 are not permitted.

1.3.3 Adjustment for Deviations in the Delivery and Completion Schedule

Deviations from the Delivery and Completion Schedule specified in Section 6 (Schedule of Supply) are not permitted.

1.3.4 Operation and Maintenance (O&M) Costs

Not applicable

1.3.5 Spare Parts

Not required.

1.3.6 Performance and Productivity of the Goods

As specified and required in Technical specifications for each item in section 6 (Technical specifications and special requirements).

1.4 Multiple Lots (Contracts)

If Goods and Related Services are grouped in multiple lots, the following provision must be used:

Goods are grouped in lots. The Purchaser will evaluate and compare Bids on the basis of a lot, or a combination of lots, or as a total of lots to arrive at the least cost combination for the Purchaser by taking into account discounts offered by Bidders in case of award of multiple contracts.

If a Bidder as defined in ITB 4.1 submits successful Bids for multiple lots (lowest evaluated substantially responsive Bids), the evaluation will also include an assessment of the Bidder's capacity to meet the aggregated qualifying requirements relating to:

following key qualifications to participate in this bidding:

Lot no	Procurement Activity Lot No.s and Description	Successful completion as main supplier within the last three years, of at least two contracts each valued mentioned at following with nature, and complexity similar to the scope of supply described in Section 6. (LKR)	Minimum average annual turnover of following which is calculated as total payments received by the Bidder for contracts completed or under execution over the last three years. (LKR)
Lot 01	Biology Lab glassware, chemicals, and consumables-II	13,000,000.00	30,000,000.00
Lot 02	Microbiology Lab equipment, chemicals, and consumables	16,500,000.00	40,000,000.00

2. Qualification Criteria

Contract type A: Off-the Shelf Items

2.1 Eligibility

Criteria	Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture		Submission Requirements
		All Partners Combined	Each Partner	

2.1.1 Nationality

Nationality in accordance with ITB 4.2.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Bid Submission Sheet; Forms ELI – 1 and ELI - 2
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2.1.2 Conflict of Interest

No conflicts of interest in accordance with ITB 4.3.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Bid Submission Sheet
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2.1.3 ADB Eligibility

Not having been declared ineligible by ADB, as described in ITB 4.4.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Bid Submission Sheet
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2.1.4 Government-Owned Enterprise

Bidder required to meet conditions of ITB 4.5.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Bid Submission Sheet; Forms ELI – 1 and ELI - 2
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2.1.5 United Nations Eligibility

Not having been excluded by an act of compliance with a United Nations Security Council resolution in accordance with ITB 4.8.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Bid Submission Sheet
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2.2 Experience and Technical Capacity

2.2.1 Contractual Experience

Criteria			Compliance Requirements				Documents
Requirement			Single Entity	Joint Venture			Submission Requirements
				All Partners Combined	Each Partner	One Partner	
Successful completion as main supplier within the last three years of at least two contracts each valued not less than LKR,			Must meet requirement	Must meet requirement	Not applicable	Not applicable	Form EXP – 1
Lot 01	Furniture for Biology Lab 1	13,000,000.00					
Lot 02	Furniture for Biology Lab 2	16,500,000.00					
, complexity similar to the scope of supply described in Section 6 of the bidding document.							

2.3 Financial Situation

2.3.1 Historical Financial Performance

Criteria			Compliance Requirements				Documents
Requirement			Single Entity	Joint Venture			Submission Requirements
				All Partners Combined	Each Partner	One Partner	
Submission of audited financial statements or, if not required by the law of the Bidder's country, other financial statements acceptable to the Purchaser, for the last three (03) years to demonstrate the current soundness of the Bidder's financial position. As a minimum, the Bidder's net worth for the last year calculated as the difference between total assets and total liabilities should be positive.			Must meet requirement	Not applicable	Must meet requirement	Not applicable	Form FIN - 1

2.3.2 Size of Operation (Average Annual Turnover)

Criteria			Compliance Requirements				Documents
Requirement			Single Entity	Joint Venture			Submission Requirements
				All Partners Combined	Each Partner	One Partner	

Minimum average annual turnover of , LKR,			Must meet requirement	Must meet requirement	Must meet 25% of the requirement	Must meet 40% of the requirement	Form FIN - 2
Lot 01	Furniture for Biology Lab 1	30,000,000.00					
Lot 02	Furniture for Biology Lab 2	40,000,000.00					
,calculated as total payments received by the Bidder for contracts completed or under execution over the last three years.							

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Bid Submission Sheet

- Note -

The Bidder must accomplish the Bid Submission Sheet on its letterhead clearly showing the Bidder's complete name and address.

Date: _____
Open Competitive Bidding (OCB) No.: _____
Invitation for Bid (IFB) No.: _____
Alternative No.: _____

To: [insert complete name of the Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 8.
- (b) We acknowledge that we have read and understand ADB's Anticorruption Policy (1998) and Integrity Principles and Guidelines (2015), both as amended from time to time.
- (c) We offer to supply in conformity with the Bidding Documents and in accordance with the delivery schedule specified in Section 6 (Schedule of Supply), the following Goods and Related Services: [insert a brief description of the goods and related services]
- (d) The total price of our Bid, excluding any discounts offered in item (d) below, is

[amount of foreign currency in words], [amount in figures], and [amount of local currency in words],
[amount in figures]

The total bid price from the price schedules should be entered by the bidder inside this box. Absence of the total bid price in the Bid Submission Sheet may result in the rejection of the bid.

(e) The discounts offered and the methodology

for their application are as follows:

Discounts: If our Bid is accepted, the following discounts shall apply: [specify in detail each discount offered and the specific item of the Schedule of Supply to which it applies]

Methodology of Application of the Discounts: The discounts shall be applied using the following method: [specify in detail the method that shall be used to apply the discounts]

- (f) Our Bid shall be valid for a period of [insert validity period as specified in ITB 20.1 of the BDS.] days starts from the date fixed for the bid submission deadline in accordance with ITB 24.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (g) If our Bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Documents.
- (h) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from eligible countries in accordance with ITB 4.2.
- (i) We, our directors, key officers, key personnel, including any subcontractors, consultants, subconsultants, manufacturers, service providers or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3.

If there is any conflict of interest, please state details:

- (i) Parties involved in the conflict of interest: _____
- (ii) Details about the conflict of interest: _____

- (j) We are not participating, as a Bidder, either individually or as partner in a Joint Venture, in more than one Bid in this bidding process in accordance with ITB 4.3(e), other than alternative offers in accordance with the Bidding Documents.
- (k) Our firm, Joint Venture partners, our respective direct and indirect shareholders, directors, key officers, key personnel, associates, parent company, affiliates or subsidiaries, including any Subcontractors, consultants, subconsultants, manufacturers, service providers or Suppliers for any part of the contract, are not subject to, or not controlled by any entity or individual that is subject to a temporary suspension or a debarment imposed by the Asian Development Bank; or a debarment imposed by the Asian Development Bank in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the Asian Development Bank and other development banks.¹
- (l) Our firm, Joint Venture partners, our respective direct and indirect shareholders, directors, key officers, key personnel, associates, parent company, affiliates or subsidiaries, including any Subcontractors, consultants, subconsultants, manufacturers, service providers or Suppliers for any part of the contract, are not under ongoing investigation and/or sanctions proceedings by the Asian Development Bank or any multilateral development bank.

If under ongoing investigation and/or sanction proceedings by the Asian Development Bank or any multilateral development bank, please state details:

- (i) Name of the multilateral development bank: _____
- (ii) Reason for the ongoing investigation/allegations: _____
- (m) Our firm, Joint Venture partners, our respective direct and indirect shareholders, directors, key officers, key personnel, associates, parent company, affiliates or subsidiaries, including any Subcontractors, consultants, subconsultants, manufacturers, service providers or Suppliers for any part of the Contract, are not temporarily suspended, debarred, declared ineligible, or subject to any national and/or international sanctions by any country, any international organization, any multilateral development bank and other donor agency.

If so temporarily suspended, debarred, declared ineligible, or subject to any national and/or international sanctions by any country, any international organization, any multilateral development bank and other donor agency, please state details (as applicable to each Joint Venture partner, their respective direct or indirect shareholders, directors, key officers, key personnel, associate, parent company, affiliate, subsidiaries, Subcontractors, consultants, subconsultants, manufacturers, service providers and/or Suppliers):

- (i) Name of Institution: _____
- (ii) Period of the temporary suspension, debarment, ineligibility, or national or international sanction [*start and end date*]: _____
- (iii) Reason for the temporary suspension, debarment, ineligibility, or national or international sanction: _____
- (n) Our firm, Joint Venture partners, associates, parent company, affiliates or subsidiaries', including any Subcontractors, consultants, subconsultants, manufacturers, service providers, Suppliers, key officers, directors and key personnel have never been charged or convicted with any criminal offense (including felonies but excluding misdemeanors) or infractions and/or violations of ordinance; nor charged or found liable in any civil or administrative proceedings in the last 10 years; or undergoing investigation for such, or subject to any criminal, civil or administrative orders, monitorship or enforcement actions.

If so charged, convicted/found liable, under ongoing investigation, or subject to orders, monitorship or enforcement actions, please state details:

- (i) Nature of the offense, violation, proceedings, investigation, and/or monitorship or enforcement actions: _____
- (ii) Court, area of jurisdiction and/or the enforcement agency: _____

¹ These institutions include African Development Bank, European Bank for Reconstruction and Development (EBRD), Inter-American Development Bank (IADB), and the World Bank Group. According to paragraph 9 of the Agreement, other international financial institutions may join upon the consent of all Participating Institutions and signature of a Letter of Adherence by the international financial institution substantially in the form provided (Annex B to the Agreement). Upon adherence, such international financial institution shall become a Participating Institution for purposes of the Agreement. Bidders are advised to check www.adb.org/integrity for updates.

(iii) Resolution [*i.e. dismissed; settled; or convicted/duration of penalty*]: _____

(iv) Other relevant details [*please specify*]: _____

- (o) Our firm, Joint Venture partners, our respective direct and indirect shareholders, directors, key officers, key personnel, associates, affiliates or subsidiaries, including any Subcontractors, consultants, subconsultants, manufacturers, service providers or Suppliers, can make and receive electronic fund transfer payments through the international banking system or otherwise discharge the Purchaser's obligation upon initiation of wire transfer.

If unable to make or receive funds through the international banking system or otherwise discharge the Purchaser's obligation upon initiation of wire transfer, please state the details:

(i) Nature of the restriction: _____

(ii) Jurisdiction of the restriction: _____

(iii) Other relevant details: _____

- (p) Our firm, Joint Venture partners, associates, parent company, affiliates or subsidiaries, including any Subcontractors, consultants, subconsultants, manufacturers, service providers or Suppliers, key officers, directors and key personnel are not from a country which is prohibited to export goods or services to, or receive any payments from the Purchaser's country and/or are not prohibited to receive payments for particular goods or services by the Purchaser's country 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.

- (q) We understand that it is our obligation to notify the Purchaser of any changes in connection with the matters described in paragraphs (i), (k), (l), (m), (n), (o), (p) and (t) of this Bid Submission Sheet.

- (r) [We are not a government-owned enterprise] / [We are a government-owned enterprise but meet the requirements of ITB 4.5].²

- (s) We have not been suspended nor declared ineligible by the Purchaser based on execution of a Bid-Securing Declaration in accordance with ITB 4.6.

- (t) We have paid, or intend to pay, either directly or indirectly, the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract:³

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____

- (u) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.

- (v) We understand that you are not bound to accept the lowest evaluated Bid or any other Bid that you may receive.

- (w) At any time following submission of our Bid, We shall permit, and shall cause our Joint Venture partners, directors, key officers, key personnel, associates, parent company, affiliates or subsidiaries, including any Subcontractors, consultants, subconsultants, manufacturers, service providers or Suppliers for any part of the contract to permit ADB or its representative to inspect our site, assets, accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by ADB. We understand that failure of this obligation may constitute obstructive practice that may result in debarment and/or contract termination.

- (x) Regardless of whether the contract will be awarded to us, we shall preserve all accounts, records and other documents related to bid submission for at least 3 years from the date of submission of the bid or the period prescribed in applicable law, whichever is longer.

² Use one of the two options as appropriate.

³ If none has been paid or is to be paid, indicate "None."

- (y) If we are awarded the contract, we shall preserve all accounts, records and other documents related to the procurement and execution of the contract for at least 5 years after completing the works contemplated in the relevant contracts or the period prescribed in applicable law, whichever is longer.
- (z) We certify on behalf of the Bidder, that the information provided in the bid has been fully reviewed, given in good faith, and to the best of our knowledge is true and complete. We understand that it is our obligation to inform the Purchaser of any changes to the information as and when it becomes known to us. We understand that any misrepresentation that knowingly or recklessly misleads, or attempts to mislead may lead to the automatic rejection of the Bid or cancellation of the contract, if awarded, and may result in remedial actions, in accordance with ADB's Anticorruption Policy (1998, as amended to date) and Integrity Principles and Guidelines (2017, as amended from time to time).

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Price Schedule for Goods
to Be Offered from Within the Purchaser's Country

Name of Bidder _____ IFB Number _____ Page ____ of ____

Lot 01 : Biology Lab glassware, chemicals, and consumables-II

Item No. 1	Description 2	Country of Origin 3	Domestic Value Added in Percent 4	Unit of Measurement	Quantity 5	Unit Price EXW 6	Total EXW Price per item $7 = 5 \times 6$	Sales and Other Taxes 8	Total Price per Item including Taxes $9 = 7 + 8$	Suggested Delivery period (Lot wise) No of days
Lot 01 :01										
Lot name: Biology Laboratory glassware and consumables										
BIO-1.1	Glass BEAKERS- Volume: 25 ml			Nos.	30					
BIO-1.2	Glass BEAKERS- Volume: 50 ml			Nos.	30					
BIO-1.3	Glass BEAKERS- Volume: 100 ml			Nos.	30					
BIO-1.4	Glass BEAKERS- Volume: 250 ml			Nos.	30					
BIO-1.5	Glass BEAKERS- Volume: 500 ml			Nos.	20					
BIO-1.6	Glass BEAKERS- Volume: 1000 ml			Nos.	10					
BIO-1.7	Glass ERLLENMEYER FLASKS- Volume: 50 ml			Nos.	10					
BIO-1.8	Glass ERLLENMEYER FLASKS- Volume: 100 ml			Nos.	20					
BIO-1.9	Glass ERLLENMEYER FLASKS- Volume: 250 ml			Nos.	20					
BIO-1.10	Glass ERLLENMEYER FLASKS- Volume: 500 ml			Nos.	20					

BIO-1.11	Glass ERLLENMEYER FLASKS- Volume: 1000 ml			Nos.	5					
BIO-1.12	GLASS BOTTLES/ Reagent bottles - Volume: 100 ml (Transparent)			Nos.	25					
BIO-1.13	GLASS BOTTLES/ Reagent bottles - Volume: 250 ml (Transparent)			Nos.	40					
BIO-1.14	GLASS BOTTLES/ Reagent bottles - Volume: 250 ml (Amber color)			Nos.	5					
BIO-1.15	GLASS BOTTLES/ Reagent bottles - Volume: 500 ml (Transparent)			Nos.	25					
BIO-1.16	GLASS BOTTLES/ Reagent bottles - Volume: 1000 ml (Transparent)			Nos.	10					
BIO-1.17	WASH BOTTLES			Nos.	40					
BIO-1.18	Glass VOLUMETRIC FLASKS- Volume: 10 ml			Nos.	5					
BIO-1.19	Glass VOLUMETRIC FLASKS- Volume: 25 ml			Nos.	5					
BIO-1.20	Glass VOLUMETRIC FLASKS- Volume: 50 ml			Nos.	20					
BIO-1.21	Glass VOLUMETRIC FLASKS- Volume: 100 ml			Nos.	20					
BIO-1.22	Glass VOLUMETRIC FLASKS- Volume: 250 ml			Nos.	15					
BIO-1.23	Glass VOLUMETRIC FLASKS- Volume: 500 ml			Nos.	10					
BIO-1.24	Glass GRADUATED MEASURING CYLINDERS- Volume: 10 ml			Nos.	10					
BIO-1.25	Glass GRADUATED MEASURING CYLINDERS- Volume: 50 ml			Nos.	10					
BIO-1.26	Glass GRADUATED MEASURING CYLINDERS- Volume: 100 ml			Nos.	10					
BIO-1.27	Glass GRADUATED MEASURING CYLINDERS- Volume: 500 ml			Nos.	5					
BIO-1.28	Glass GRADUATED MEASURING CYLINDERS- Volume: 1000 ml			Nos.	5					
BIO-1.29	Glass GRADUATED SEPARATING FUNNEL- Volume: 50 ml			Nos.	5					

BIO-1.30	Glass GRADUATED SEPARATING FUNNEL- Volume: 250 ml			Nos.	5					
Sub Total										

Lot 01 :02

Lot name: Biology Laboratory glassware and consumables										
BIO-2.1	McCartney Bottles			Nos.	50					
BIO-2.2	Watch Glasses: Diameter: ~ 40 mm			Nos.	20					
BIO-2.3	Watch Glasses: Diameter: ~ 70 mm			Nos.	20					
BIO-2.4	Watch Glasses: Diameter: ~ 100 mm			Nos.	20					
BIO-2.5	Glass Conical Funnel: Diameter: ~ 60 mm			Nos.	10					
BIO-2.6	Glass Conical Funnel: Diameter: ~ 80 mm			Nos.	10					
BIO-2.7	Test tubes			Nos.	100					
BIO-2.8	Petri dishes- Diameter 10 cm			Nos.	100					
BIO-2.9	Petri dishes- Diameter 8 cm			Nos.	50					
BIO-2.10	Glass haemocytometer			Nos.	5					
BIO-2.11	Glass rods			Nos.	20					
BIO-2.12	Dropping bottle with graduated dropper- Clear glass			Nos.	20					
BIO-2.13	Dropping bottle with graduated dropper- Amber color			Nos.	20					
BIO-2.14	Pasteur pipette rubber bulbs			Nos.	20					
Sub Total										

Lot 01:03										
Lot name: Biology Laboratory glassware and consumables										
BIO-3.1	Dissecting FORCEPS- Straight fine sharp point tip			Nos.	20					
BIO-3.2	Dissecting FORCEPS- Curved inclined fine sharp point tip			Nos.	10					
BIO-3.3	Dissecting SCISSORS			Nos.	10					
BIO-3.4	SCALPEL BLADE			Nos.	100					
BIO-3.5	SCALPEL HANDLE			Nos.	20					
BIO-3.6	Petri dish canisters- for 10 cm dishes			Nos.	10					
BIO-3.7	Petri dish canisters- for 8 cm dishes			Nos.	5					
BIO-3.8	SPATULAS- Macro spoon spatula			Nos.	15					
BIO-3.9	SPATULAS- Double end spatula			Nos.	15					
BIO-3.10	SPATULAS- Micro spoon spatula			Nos.	15					
BIO-3.11	SPATULAS- Round grooved spatula			Nos.	15					
BIO-3.12	Inoculation loop			Nos.	10					
BIO-3.13	Test tube holder/ Tong			Nos.	40					
BIO-3.14	Laboratory benchclamp 3-prong			Nos.	5					
BIO-3.15	Laboratory Condenser Clamp			Nos.	5					
BIO-3.16	Retort Stand			Nos.	5					
BIO-3.17	clamp holder			Nos.	10					
BIO-3.18	Coated Wire Tube Rack			Nos.	4					
Sub Total										

Lot 01:04										
Lot name: Biology Laboratory glassware and consumables										
BIO-4.1	Boiling TUBE RACK			Nos.	30					
BIO-4.2	Pasteur PIPPETTES			Nos.	100					
BIO-4.3	Micropipette tips with tip box -0.5-10 µl			Box	30					
BIO-4.4	Micropipette tips with tip box -20-200 µl			Box	30					
BIO-4.5	Micropipette tips with tip box -100-1000 µl			Box	30					
BIO-4.6	PCR tube holder			Nos.	5					
BIO-4.7	Eppendorf tube holder			Nos.	10					
BIO-4.8	Pipette fillers- Green (up to 10 ml)			Nos.	5					
BIO-4.9	Pipette fillers- Red (up to 25 ml)			Nos.	5					
Sub Total										

Lot 01:05										
Lot name: Biology Laboratory glassware and consumables										
BIO-5.1	Parafilm roll			Nos.	5					
BIO-5.2	Weighing boats/ Pour boat weighing dishes packs			Pack	4					
BIO-5.3	Cellulose thimble for soxhlet			Nos.	25					
BIO-5.4	Laboratory tubing			m	15					
Sub Total										

Lot 01:06										
Lot name: Biology Laboratory glassware and consumables										
BIO-6.1	Round Bottom Flasks			Nos.	5					
BIO-6.2	Three-way adapter			Nos.	5					
BIO-6.3	Bent vacuum-distilling adapter			Nos.	5					
BIO-6.4	West Condensers			Nos.	5					
BIO-6.5	Joint Clips			Nos.	30					
BIO-6.6	Thermometer Adapter			Nos.	5					
BIO-6.8	Graduated Dropping funnel with glass stopper			Nos.	2					
Sub Total										

Lot 01:07										
Lot name: Biology Laboratory glassware and consumables										
BIO-7.1	Nitril Gloves: Size: Large			Box	3					
BIO-7.2	Nitril Gloves: Size: Medium			Box	3					
BIO-7.3	Nitril Gloves: Size: Small			Box	3					
BIO-7.4	Acid Trays			Nos.	10					
Sub Total										

Lot 01:08										
Lot name: Biology Laboratory Chemicals and consumables										
BIO-8.1	Agar			g	1000 g					
BIO-8.2	Ampicillin			g	5 g					
MBI-8.3	Crystal violet			ml	250 ml					
BIO -8.4	Eosin methylene blue agar			g	500 g					
BIO -8.5	Gram's iodine			ml	250ml					
BIO -8.6	Nile blue strain			g	2.5 g					
BIO -8.7	Nutrient agar			g	2500 g					
BIO -8.8	phenol: chloroform: isoamyl alcohol (25:24:1,			ml	2500 ml					
	v/v/v)									
BIO -8.9	Potato dextrose agar			g	2500 g					
BIO -8.10	Safranin			ml	250 ml					
BIO -8.11	Potato dextrose broth			g	1500 g					
BIO -8.12	Nutrient Broth			g	1500 g					
BIO -8.13	Yeast Manitol Agar (YMA)			g	1000g					
BIO -8.14	Congo red			g	250g					
BIO -8.15	Lactose Broth			g	1000g					
BIO -8.16	Eosin Methylene Blue Agra (EMB-Agar)			g	1000g					
BIO -8.17	Acetone			ml	1000ml					

BIO -8.18	Chloroform			ml	2500 ml					
BIO -8.19	Conc.hydrochloric acid			ml	1000 ml					
BIO -8.20	Conc. sulfuric acid			ml	750 ml					
BIO -8.21	Glacial acetic acid			ml	750 ml					
BIO -8.22	Isoamyl alcohol			ml	1000 ml					
BIO -8.23	Isopropanol			ml	2500 ml					
BIO -8.24	Acetocarmine solution			ml	125 mL					
BIO -8.25	Ammonium hydroxide			g	250 g					
BIO -8.26	Ammonium oxalate			g	250 g					
BIO -8.27	Boric acid			g	1000 g					
BIO -8.28	Calcium Chloride			g	250 g					
BIO -8.29	Calcium acetate hydrate			g	50 g					
BIO -8.30	Calcium magnesium carbonate, CaMg(CO ₃) ₂			g	250 g					
BIO -8.31	Ethylenedia minetetraac etic acid (EDTA)			g	250 g					
BIO -8.32	Glycerol			ml	500 ml					
BIO -8.33	Isopropyl β-D-1- thiogalactop yranoside			g	2.5 g					
BIO -8.34	Potassium hydroxide			g	500 g					
BIO -8.35	Sodium bicarbonate			g	250 g					
BIO -8.36	Sodium chloride			g	1000 g					
BIO -8.37	Sodium dodecyl sulfate (SDS)			g	500 g					

BIO -8.38	Sodium acetate trihydrate			g	250 g					
BIO -8.39	Sodium Carbonate Anhydrous			g	500 g					
BIO -8.40	Sodium hypochlorite .5H2O			g	250 g					
BIO -8.41	Sodium Hydroxide			g	500 g					
BIO -8.42	Sodium phosphate dibasic (Na ₂ HPO ₄)			g	250 g					
BIO -8.43	Sodium phosphate monobasic (NaH ₂ PO ₄)			g	250g					
BIO -8.44	Non-Carcinogenic DNA stain Dye (Alternative for EtBr)			μl	2500 μl					
Sub Total										

Lot Grand Total

Notes:

Column 4:	In accordance with margin of preference ITB 35, if applicable. Domestic Value Added comprises domestic labor, the domestic content of materials, domestic overheads and profits from the stage of mining the raw material until final assembly.
Column 6:	Incoterm in accordance with ITB 14 Currency in accordance with ITB 15 Price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item or the customs duties and sales and other taxes already paid on previously imported items.
Column 8:	Payable in the Purchaser's country if Contract is awarded

Name _____

In the capacity of _____ Signed _____

Duly authorized to sign the Bid for and on behalf of _____ Date _____

Lot 02 : Microbiology Lab equipment, chemicals, and consumables

Item No.	Description	Country of Origin	Domestic Value Added in Percent	Unit of Measurement	Quantity	Unit Price EXW	Total EXW Price per item $7 = 5 \times 6$	Sales and Other Taxes	Total Price per Item including Taxes $9 = 7 + 8$	Suggested Delivery period (Lot wise) No of days
1	2	3	4		5	6		8	9 = 7 + 8	
Lot No 02:01 Microbiology Laboratory Equipment										
MBI-18.1	Automated bacterial Colony Counter			Nos.	2					
Lot No 02:02 Microbiology Laboratory Equipment										
MBI-19.1	Plate Reader (Microplate reader)			Nos	1					
Lot No 02:03 Microbiology Laboratory Chemicals and consumables										
MBI-20.1	Agar			g	5000 g					
MBI-20.2	Ampicillin			g	10 g					
MBI-20.3	Crystal violet			ml	500 ml					
MBI-20.4	Eosin methylene blue agar			g	1000 g					
MBI-20.5	Folin & Ciocalteu's Phenol Reagent			mL	100 mL					
MBI-20.6	Gram's iodine			ml	500ml					
MBI-20.7	Guar gum			g	500 g					
MBI-20.8	Kanamycin			g	10 g					

MBI-20.9	M9 Minimal Salts medium 5X powder			g	2000 g					
MBI-20.10	Nile blue strain			g	5 g					
MBI-20.11	Nutrient agar			g	5000 g					
MBI-20.12	phenol: chloroform: isoamyl alcohol (25:24:1,v/v/v)			ml	5000 ml					
MBI-20.13	Potato dextrose agar			g	5000 g					
MBI-20.14	Skim milk agar			g	2000 g					
MBI-20.15	Safranin			ml	500 mL					
MBI-20.16	Starch (treated with glycerol at 190°C)			g	25 g					
MBI-20.17	Sudan black B			g	5 g					
MBI-20.18	Yeast extract			g	1000 g					
MBI-20.19	Potato dextrose broth			g	3000 g					
MBI-20.20	Nutrient Broth			g	3000 g					
MBI-20.21	Yeast Manitol Agar (YMA)			g	2000g					
MBI-20.22	Congo red			g	500g					
MBI-20.23	Lactose Broth			g	2000g					
MBI-20.24	Eosin Methylene Blue Agra (EMB-Agar)			g	2000g					
	Total									

Lot No 02:04 Microbiology Laboratory Chemicals and consumables										
MBI-21.1	Acetone			mL	2000mL					

MBI-21.2	Chloroform			ml	5000 ml					
MBI-21.3	Conc.hydrochloric acid			ml	2000 ml					
MBI-21.4	Conc. sulfuric acid			ml	1500 ml					
MBI-21.5	Glacial acetic acid			ml	1500 ml					
MBI-21.6	Isoamyl alcohol			ml	2000 ml					
MBI-21.7	Isopropanol			ml	5000 ml					
	Total									

Lot No 02: 05Microbiology Laboratory Chemicals and consumables										
MBI-22.1	Acetocarmi ne solution			mL	250 mL					
MBI-22.2	Ammonium hydroxide			g	500 g					
MBI-22.3	Ammonium oxalate			g	500 g					
MBI-22.4	Boric acid			g	2000 g					
MBI-22.5	Calcium Chloride			g	500 g					
MBI-22.6	Calcium acetate hydrate			g	100 g					
MBI-22.7	Calcium magnesium carbonate, CaMg(CO ₃) ₂			g	500 g					
MBI-22.8	Ethylenedia minetetraac etic acid (EDTA)			g	500 g					
MBI-22.9	Glycerol			ml	1000 ml					
MBI-22.10	Isopropyl β-D-1-thiogalactop yranoside (IPTG)			g	5 g					
MBI-22.11	L-Tyrosine, Free Base			g	100 g					

MBI-22.12	Lithium chloride			g	500g					
MBI-22.13	4-Nitrophenyl dodecanoate			g	1g					
MBI-22.14	Polyvinylpyrrolidone (PVP 40)			g	500 g					
MBI-22.15	Phenyl acetate			g	100 g					
MBI-22.16	Potassium hydroxide			g	1000 g					
MBI-22.17	Sodium bicarbonate			g	500 g					
MBI-22.18	Sodium chloride			g	2000 g					
MBI-22.19	Sodium dodecyl sulfate (SDS)			g	1000 g					
MBI-22.20	Sodium acetate trihydrate			g	500 g					
MBI-22.21	Sodium Carbonate Anhydrous			g	1000 g					
MBI-22.22	Sodium hypochlorite .5H ₂ O			g	500 g					
MBI-22.23	Sodium Hydroxide			g	1000 g					
MBI-22.24	Sodium phosphate dibasic (Na ₂ HPO ₄)			g	500 g					
MBI-22.25	Sodium phosphate monobasic (NaH ₂ PO ₄)			g	500 g					
MBI-22.26	Tris base			g	1000 g					
MBI-22.27	Trichloroacetic Acid			mL	100 mL					
MBI-22.28	Tryptone			g	500 g					
MBI-22.29	Non-Carcinogenic DNA stain Dye Alternative for EtBr			μl	5000 μl					
MBI-22.30	DNA loading Dye			μl	5000 μl					
MBI-22-31	Hexadecyl trimethyl ammonium bromide (CTAB)			g	1000g					

MBI-22-32	Polyvinylpyrrolidone (PVP)			g	5000g					
MBI-22-33	Boric Acid			g	1000g					
MBI-22-33	Streptomycin			g	10g					
MBI-22-34	Tetracycline			g	10g					
MBI-22-33	Kanamycin			g	5g					
MBI-22-34	Chloramphenicol			g	5g					
MBI-22-35	Nigrosin			ml	250ml					
	Total									

Lot No 02:06 Microbiology Laboratory Chemicals and consumables										
MBI-23.1	Ethanol (Absolute)			ml	3000 ml					
MBI-23.2	Methanol (Absolute)			ml	2000 ml					
	Total									

Lot No 02:07 Microbiology Laboratory Chemicals and consumables										
MBI-24.1	Wash Bottle			Nos.	5					
MBI-24.2	Gas Bunsen burner			Nos.	5					
MBI-24.3	Inoculating loop with handle			Nos.	5					
MBI-24.4	laboratory scalpel • Scalpel handle (No 10/11)			Nos.	10					
MBI-24.5	laboratory scalpel • Scalpel blade stainless steel			Nos.	100					

MBI-24.6	Forceps			Nos.	5					
MBI-24.7	Spatula set			Set	3					
MBI-24.8	Laboratory Scissor			Nos.	10					
	Total									

Lot No 02:08 Microbiology Laboratory Chemicals and consumables										
MBI-25.1	Vacuum flasks for bacterial sampletransfer.			Nos.	5					
MBI-25.2	Water jet filter pump(Vacuum Aspirator Pump)			Nos.	4					
MBI-25.3	Microtube racks			Nos.	20					
	Total									

Lot No 02:09 Microbiology Laboratory Chemicals and consumables										
MBI-26.1	Micropipette tips with pipette tip box (1000 µl)			Nos.	10 boxes (96*10=960 tips)					
MBI-26.2	Micropipette tips with pipette tip box (50-200 µl)			Nos.	10 boxes (96*10=960 tips)					
MBI-26.3	Micropipette tips with pipette tip box (0.1-20 µl)			Nos.	10 boxes (96*10=960 tips)					
MBI-26.4	Micro centrifuge tubes			Nos.	5000					

MBI-26.5	polypropylene tubes with screw cap			Nos.	500					
MBI-26.7	polypropylene tubes with screw cap			Nos.	500					
MBI-26.8	Parafilm roll			Nos.	30					
	Total									

Lot No 02:10 Microbiology Laboratory Chemicals and consumables

MBI-27.1	Syringe filter			Nos.	100					
MBI-27.2	Syringe PP/PE without needle			Nos.	100					
MBI-27.3	Cell Culture Flasks with Vented Caps			Nos.	50					
	Total									

Lot No 02:11 Biochemistry and Bioprocessing Technology Chemicals

MBI-28.1	Alpha naphthol			g	250 g					
MBI-28.2	Amylase			g	10 g					
MBI-28.3	Anhydrous sodium citrate			g	500 g					
MBI-28.4	Copper (II) acetate monohydrate			g	200 g					
MBI-28.5	Copper sulphate pentahydrate			g	1000 g					
MBI-28.6	Copper (II) sulphate			g	250 g					
MBI-28.7	Ferric chloride			g	500 g					
MBI-28.8	Lead nitrate			g	100 g					
MBI-28.9	Mercury (II) chloride			g	100 g					

MBI-28.10	Potassium bisulfate			g	100 g					
MBI-28.11	Potassium ferrocyanide			g	100 g					
MBI-28.12	Potassium iodide			g	100 g					
MBI-28.13	Potassium permangan ate			g	100 g					
MBI-28.14	Potassium Sodium Tartrate			g	500 g					
MBI-28.15	Potassium thiocyanate			g	500 g					
	Total									

Lot No 02:12 Biochemistry and Bioprocessing Technology Chemicals										
MBI-29.1	Beef extract			9	1000 g					
MBI-29.1	Bovineserum albumin			g	100 g					
MBI-29.2	Cholesterol			g	100 g					
MBI-29.3	Corn starch			g	1000 g					
MBI-29.4	D-(+)-Glucose			g	1000 g					
MBI-29.5	D-Ribose			g	50 g					
MBI-29.6	Gelatin			g	500 g					
MBI-29.7	Glycogen			g	500 g					
MBI-29.8	Glycine			g	50 g					
MBI-29.9	Iodine, crystalline			g	500 g					
MBI-29.10	Lactose			g	1000 g					
MBI-29.11	Nile blue A			g	25 g					

MBI-29.1	Orcinol			g	5 g					
MBI-29.13	Phenol red			g	5 g					
MBI-29.14	Peptone			g	500 g					
MBI-29.15	Resorcinol			g	100 g					
	Total									

Lot No 02:13 Biochemistry and Bioprocessing Technology Chemicals										
MBI-30.1	Benedicts Solution			ml	1000 ml					
MBI-30.2	Benzene			ml	500 ml					
MBI-30.3	Bromine water			ml	200 ml					
MBI-30.4	Conc. nitric acid			ml	500 ml					
MBI-30.5	Ninhydrin			ml	20 ml					
	Total									

Lot No 02:14 Biochemistry and Bioprocessing Technology Chemicals										
MBI-31.1	Starch			g	500 g					
MBI-31.2	Sucrose			g	200 g					
MBI-31.3	Sudan IV			g	25 g					
MBI-31.4	Sudan Black B			g	25 g					
MBI-31.5	Tyrosine			g	10 g					
MBI-31.6	Yeast extract			g	1000 g					

Total										
Lot No 02:15 Biochemistry and Bioprocessing Technology Chemicals										
MBI-32.1	pH reference buffers (pH 4,7 and 10)			ml	500 ml each					
MBI-32.2	pHydrion Paper/ pH paper			Roll	3					
Total										

Grand total of the lot

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Notes:

Column 4:	In accordance with margin of preference ITB 35, if applicable. Domestic Value Added comprises domestic labor, the domestic content of materials, domestic overheads and profits from the stage of mining the raw material until final assembly.
Column 6:	Incoterm in accordance with ITB 14 Currency in accordance with ITB 15 Price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item or the customs duties and sales and other taxes already paid on previously imported items.
Column 8:	Payable in the Purchaser's country if Contract is awarded

Name _____

In the capacity of _____ Signed _____

Duly authorized to sign the Bid for and on behalf of _____ Date _____

Price Schedule for Goods to Be Offered from Outside the Purchaser's Country

Name of Bidder _____ IFB Number _____ Page ____ of ____

Lot 01 : Biology Lab glassware, chemicals, and consumables-II

Item No.	Description	Country of origin	Unit of Measurement	Quantity	Unit Price CIF (...) or CIP (...) per item US \$	Unit Price FOB (...) or FCA (...) US \$	Total Price CIF or CIP per item US \$	Total Price FOB or FCA Per Item US \$	Suggested Delivery period (Lot wise) No of days
1	2	3		4	5	6	7=4 x 5	8 = 4 x 6	
Lot 01 :01									
Lot name: Biology Laboratory glassware and consumables									
BIO-1.1	Glass BEAKERS- Volume: 25 ml		Nos.	30					
BIO-1.2	Glass BEAKERS- Volume: 50 ml		Nos.	30					
BIO-1.3	Glass BEAKERS- Volume: 100 ml		Nos.	30					
BIO-1.4	Glass BEAKERS- Volume: 250 ml		Nos.	30					
BIO-1.5	Glass BEAKERS- Volume: 500 ml		Nos.	20					
BIO-1.6	Glass BEAKERS- Volume: 1000 ml		Nos.	10					
BIO-1.7	Glass ERLENMEYER FLASKS- Volume: 50 ml		Nos.	10					
BIO-1.8	Glass ERLENMEYER FLASKS- Volume: 100 ml		Nos.	20					

BIO-1.9	Glass ERLENMEYER FLASKS- Volume: 250 ml		Nos.	20					
BIO-1.10	Glass ERLENMEYER FLASKS- Volume: 500 ml		Nos.	20					
BIO-1.11	Glass ERLENMEYER FLASKS- Volume: 1000 ml		Nos.	5					
BIO-1.12	GLASS BOTTLES/ Reagent bottles - Volume: 100 ml (Transparent)		Nos.	25					
BIO-1.13	GLASS BOTTLES/ Reagent bottles - Volume: 250 ml (Transparent)		Nos.	40					
BIO-1.14	GLASS BOTTLES/ Reagent bottles - Volume: 250 ml (Amber color)		Nos.	5					
BIO-1.15	GLASS BOTTLES/ Reagent bottles - Volume: 500 ml (Transparent)		Nos.	25					
BIO-1.16	GLASS BOTTLES/ Reagent bottles - Volume: 1000 ml (Transparent)		Nos.	10					
BIO-1.17	WASH BOTTLES		Nos.	40					
BIO-1.18	Glass VOLUMETRIC FLASKS- Volume: 10 ml		Nos.	5					
BIO-1.19	Glass VOLUMETRIC FLASKS- Volume: 25 ml		Nos.	5					
BIO-1.20	Glass VOLUMETRIC FLASKS- Volume: 50 ml		Nos.	20					
BIO-1.21	Glass VOLUMETRIC FLASKS- Volume: 100 ml		Nos.	20					
BIO-1.22	Glass VOLUMETRIC FLASKS- Volume: 250 ml		Nos.	15					
BIO-1.23	Glass VOLUMETRIC FLASKS- Volume: 500 ml		Nos.	10					
BIO-1.24	Glass GRADUATED MEASURING CYLINDERS- Volume: 10 ml		Nos.	10					
BIO-1.25	Glass GRADUATED MEASURING CYLINDERS- Volume: 50 ml		Nos.	10					
BIO-1.26	Glass GRADUATED MEASURING		Nos.	10					

	CYLINDERS- Volume: 100 ml								
BIO-1.27	Glass GRADUATED MEASURING CYLINDERS- Volume: 500 ml		Nos.	5					
BIO-1.28	Glass GRADUATED MEASURING CYLINDERS- Volume: 1000 ml		Nos.	5					
BIO-1.29	Glass GRADUATED SEPARATING FUNNEL- Volume: 50 ml		Nos.	5					
BIO-1.30	Glass GRADUATED SEPARATING FUNNEL- Volume: 250 ml		Nos.	5					
Sub Total									

Lot 01 :02

Lot name: Biology Laboratory glassware and consumables									
BIO-2.1	McCartney Bottles		Nos.	50					
BIO-2.2	Watch Glasses: Diameter: ~ 40 mm		Nos.	20					
BIO-2.3	Watch Glasses: Diameter: ~ 70 mm		Nos.	20					
BIO-2.4	Watch Glasses: Diameter: ~ 100 mm		Nos.	20					
BIO-2.5	Glass Conical Funnel: Diameter: ~ 60 mm		Nos.	10					
BIO-2.6	Glass Conical Funnel: Diameter: ~ 80 mm		Nos.	10					
BIO-2.7	Test tubes		Nos.	100					
BIO-2.8	Petri dishes- Diameter 10 cm		Nos.	100					
BIO-2.9	Petri dishes- Diameter 8 cm		Nos.	50					
BIO-2.10	Glass haemocytometer		Nos.	5					
BIO-2.11	Glass rods		Nos.	20					
BIO-2.12	Dropping bottle with graduated dropper- Clear glass		Nos.	20					
BIO-2.13	Dropping bottle with graduated dropper- Amber color		Nos.	20					
BIO-2.14	Pasteur pipette rubber bulbs		Nos.	20					
Sub Total									

Lot 01:03									
Lot name: Biology Laboratory glassware and consumables									
BIO-3.1	Dissecting FORCEPS- Straight fine sharp point tip		Nos.	20					
BIO-3.2	Dissecting FORCEPS- Curved inclined fine sharp point tip		Nos.	10					
BIO-3.3	Dissecting SCISSORS		Nos.	10					
BIO-3.4	SCALPEL BLADE		Nos.	100					
BIO-3.5	SCALPEL HANDLE		Nos.	20					
BIO-3.6	Petri dish canisters- for 10 cm dishes		Nos.	10					
BIO-3.7	Petri dish canisters- for 8 cm dishes		Nos.	5					
BIO-3.8	SPATULAS- Macro spoon spatula		Nos.	15					
BIO-3.9	SPATULAS- Double end spatula		Nos.	15					
BIO-3.10	SPATULAS- Micro spoon spatula		Nos.	15					
BIO-3.11	SPATULAS- Round grooved spatula		Nos.	15					
BIO-3.12	Inoculation loop		Nos.	10					
BIO-3.13	Test tube holder/ Tong		Nos.	40					
BIO-3.14	Laboratory benchclamp 3-prong		Nos.	5					
BIO-3.15	Laboratory Condenser Clamp		Nos.	5					
BIO-3.16	Retort Stand		Nos.	5					
BIO-3.17	clamp holder		Nos.	10					
BIO-3.18	Coated Wire Tube Rack		Nos.	4					
Sub Total									
Lot 01:04									
Lot name: Biology Laboratory glassware and consumables									
BIO-4.1	Boiling TUBE RACK		Nos.	30					
BIO-4.2	Pasteur PIPETTES		Nos.	100					
BIO-4.3	Micropipette tips with tip box -0.5-10 µl		Box	30					

BIO-4.4	Micropipette tips with tip box -20-200 µl		Box	30					
BIO-4.5	Micropipette tips with tip box -100-1000 µl		Box	30					
BIO-4.6	PCR tube holder		Nos.	5					
BIO-4.7	Eppendorf tube holder		Nos.	10					
BIO-4.8	Pipette fillers- Green (up to 10 ml)		Nos.	5					
BIO-4.9	Pipette fillers- Red (up to 25 ml)		Nos.	5					
Sub Total									
Lot 01:05									
Lot name: Biology Laboratory glassware and consumables									
BIO-5.1	Parafilm roll		Nos.	5					
BIO-5.2	Weighing boats/ Pour boat weighing dishes packs		Pack	4					
BIO-5.3	Cellulose thimble for soxhlet		Nos.	25					
BIO-5.4	Laboratory tubing		m	15					
Sub Total									
Lot 01:06									
Lot name: Biology Laboratory glassware and consumables									
BIO-6.1	Round Bottom Flasks		Nos.	5					
BIO-6.2	Three-way adapter		Nos.	5					
BIO-6.3	Bent vacuum-distilling adapter		Nos.	5					
BIO-6.4	West Condensers		Nos.	5					
BIO-6.5	Joint Clips		Nos.	30					
BIO-6.6	Thermometer Adapter		Nos.	5					
BIO-6.8	Graduated Dropping funnel with glass stopper		Nos.	2					
Sub Total									

Lot 01:07									
Lot name: Biology Laboratory glassware and consumables									
BIO-7.1	Nitril Gloves: Size: Large		Box	3					
BIO-7.2	Nitril Gloves: Size: Medium		Box	3					
BIO-7.3	Nitril Gloves: Size: Small		Box	3					
BIO-7.4	Acid Trays		Nos.	10					
Sub Total									
Lot 01:08									
Lot name: Biology Laboratory Chemicals and consumables									
BIO-8.1	Agar		g	1000 g					
BIO-8.2	Ampicillin		g	5 g					
MBI-8.3	Crystal violet		ml	250 ml					
BIO -8.4	Eosin methylene blue agar		g	500 g					
BIO -8.5	Gram's iodine		ml	250ml					
BIO -8.6	Nile blue strain		g	2.5 g					
BIO -8.7	Nutrient agar		g	2500 g					
BIO -8.8	phenol: chloroform: isoamyl alcohol (25:24:1,		ml	2500 ml					
	v/v/v)								
BIO -8.9	Potato dextrose agar		g	2500 g					
BIO -8.10	Safranin		ml	250 ml					
BIO -8.11	Potato dextrose broth		g	1500 g					
BIO -8.12	Nutrient Broth		g	1500 g					
BIO -8.13	Yeast Manitol Agar (YMA)		g	1000g					

BIO -8.14	Congo red		g	250g					
BIO -8.15	Lactose Broth		g	1000g					
BIO -8.16	Eosin Methylene Blue Agra (EMB-Agar)		g	1000g					
BIO -8.17	Acetone		ml	1000ml					
BIO -8.18	Chloroform		ml	2500 ml					
BIO -8.19	Conc.hydrochloric acid		ml	1000 ml					
BIO -8.20	Conc. sulfuric acid		ml	750 ml					
BIO -8.21	Glacial acetic acid		ml	750 ml					
BIO -8.22	Isoamyl alcohol		ml	1000 ml					
BIO -8.23	Isopropanol		ml	2500 ml					
BIO -8.24	Acetocarmine solution		ml	125 mL					
BIO -8.25	Ammonium hydroxide		g	250 g					
BIO -8.26	Ammonium oxalate		g	250 g					
BIO -8.27	Boric acid		g	1000 g					
BIO -8.28	Calcium Chloride		g	250 g					
BIO -8.29	Calcium acetate hydrate		g	50 g					
BIO -8.30	Calcium magnesium carbonate, CaMg(CO ₃) ₂		g	250 g					
BIO -8.31	Ethylenedia minetetraac etic acid (EDTA)		g	250 g					
BIO -8.32	Glycerol		ml	500 ml					
BIO -8.33	Isopropyl β-D-1- thiogalactop yranoside		g	2.5 g					
BIO -8.34	Potassium hydroxide		g	500 g					
BIO -8.35	Sodium bicarbonate		g	250 g					
BIO -8.36	Sodium chloride		g	1000 g					
BIO -8.37	Sodium dodecyl sulfate (SDS)		g	500 g					
BIO -8.38	Sodium acetate trihydrate		g	250 g					
BIO -8.39	Sodium Carbonate Anhydrous		g	500 g					

BIO -8.40	Sodium hypochlorite .5H ₂ O		g	250 g					
BIO -8.41	Sodium Hydroxide		g	500 g					
BIO -8.42	Sodium phosphate dibasic (Na ₂ HPO ₄)		g	250 g					
BIO -8.43	Sodium phosphate monobasic (NaH ₂ PO ₄)		g	250g					
BIO -8.44	Non-Carcinogenic DNA stain Dye (Alternative for EtBr)		μl	2500 μl					
Sub Total									

Grand Total of the Lot

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Lot 02 : Microbiology Lab equipment, chemicals, and consumables

Item No.	Description	Country of origin	Domestic Value Added in Percent	Unit of Measurement	Quantity	Unit Price CIF (...) or CIP (...) per item US \$	Unit Price FOB (...) or FCA (...) US \$	Total Price CIF or CIP per item US \$	Total Price FOB or FCA Per Item US \$	Suggested Delivery period (Lot wise) No of days
1	2	3		4	5	6	7=4 x 5	8 = 4 x 6		
Lot No 02:01 Microbiology Laboratory Equipment										
MBI-18.1	Automated bacterial Colony Counter			Nos.	2					
Lot No 02:02 Microbiology Laboratory Equipment										
MBI-19.1	Plate Reader (Microplate reader)			Nos	1					
Lot No 02:03 Microbiology Laboratory Chemicals and consumables										
MBI-20.1	Agar			g	5000 g					
MBI-20.2	Ampicillin			g	10 g					
MBI-20.3	Crystal violet			ml	500 ml					
MBI-20.4	Eosin methylene blue agar			g	1000 g					
MBI-20.5	Folin & Ciocalteu's Phenol Reagent			mL	100 mL					
MBI-20.6	Gram's iodine			ml	500ml					

MBI-20.7	Guar gum			g	500 g					
MBI-20.8	Kanamycin			g	10 g					
MBI-20.9	M9 Minimal Salts medium 5X powder			g	2000 g					
MBI-20.10	Nile blue strain			g	5 g					
MBI-20.11	Nutrient agar			g	5000 g					
MBI-20.12	phenol: chloroform: isoamyl alcohol (25:24:1,v/v/v)			ml	5000 ml					
MBI-20.13	Potato dextrose agar			g	5000 g					
MBI-20.14	Skim milk agar			g	2000 g					
MBI-20.15	Safranin			ml	500 mL					
MBI-20.16	Starch (treated with glycerol at 190°C)			g	25 g					
MBI-20.17	Sudan black B			g	5 g					
MBI-20.18	Yeast extract			g	1000 g					
MBI-20.19	Potato dextrose broth			g	3000 g					
MBI-20.20	Nutrient Broth			g	3000 g					
MBI-20.21	Yeast Manitol Agar (YMA)			g	2000g					
MBI-20.22	Congo red			g	500g					
MBI-20.23	Lactose Broth			g	2000g					
MBI-20.24	Eosin Methylene Blue Agra (EMB-Agar)			g	2000g					

	Total									
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Lot No 02:04 Microbiology Laboratory Chemicals and consumables										
MBI-21.1	Acetone			mL	2000mL					
MBI-21.2	Chloroform			ml	5000 ml					
MBI-21.3	Conc.hydrochloric acid			ml	2000 ml					
MBI-21.4	Conc. sulfuric acid			ml	1500 ml					
MBI-21.5	Glacial acetic acid			ml	1500 ml					
MBI-21.6	Isoamyl alcohol			ml	2000 ml					
MBI-21.7	Isopropanol			ml	5000 ml					
	Total									

Lot No 02: 05Microbiology Laboratory Chemicals and consumables										
MBI-22.1	Acetocarmi ne solution			mL	250 mL					
MBI-22.2	Ammonium hydroxide			g	500 g					
MBI-22.3	Ammonium oxalate			g	500 g					
MBI-22.4	Boric acid			g	2000 g					
MBI-22.5	Calcium Chloride			g	500 g					

MBI-22.6	Calcium acetate hydrate			g	100 g					
MBI-22.7	Calcium magnesium carbonate, CaMg(CO ₃) ₂			g	500 g					
MBI-22.8	Ethylenediaminetetraacetic acid (EDTA)			g	500 g					
MBI-22.9	Glycerol			ml	1000 ml					
MBI-22.10	Isopropyl β-D-1-thiogalactopyranoside (IPTG)			g	5 g					
MBI-22.11	L-Tyrosine, Free Base			g	100 g					
MBI-22.12	Lithium chloride			g	500g					
MBI-22.13	4-Nitrophenyl dodecanoate			g	1g					
MBI-22.14	Polyvinylpyrrolidone (PVP 40)			g	500 g					
MBI-22.15	Phenyl acetate			g	100 g					
MBI-22.16	Potassium hydroxide			g	1000 g					
MBI-22.17	Sodium bicarbonate			g	500 g					
MBI-22.18	Sodium chloride			g	2000 g					
MBI-22.19	Sodium dodecyl sulfate (SDS)			g	1000 g					
MBI-22.20	Sodium acetate trihydrate			g	500 g					
MBI-22.21	Sodium Carbonate Anhydrous			g	1000 g					
MBI-22.22	Sodium hypochlorite .5H ₂ O			g	500 g					
MBI-22.23	Sodium Hydroxide			g	1000 g					

MBI-22.24	Sodium phosphate dibasic (Na ₂ HPO ₄)			g	500 g					
MBI-22.25	Sodium phosphate monobasic (NaH ₂ PO ₄)			g	500 g					
MBI-22.26	Tris base			g	1000 g					
MBI-22.27	Trichloroacetic Acid			mL	100 mL					
MBI-22.28	Tryptone			g	500 g					
MBI-22.29	Non-Carcinogenic DNA stain Dye Alternative for EtBr			μl	5000 μl					
MBI-22.30	DNA loading Dye			μl	5000 μl					
MBI-22.31	Hexadecyl trimethyl ammonium bromide (CTAB)			g	1000g					
MBI-22.32	Polyvinylpyrrolidone (PVP)			g	5000g					
MBI-22.33	Boric Acid			g	1000g					
MBI-22.33	Streptomycin			g	10g					
MBI-22.34	Tetracycline			g	10g					
MBI-22.33	Kanamycin			g	5g					
MBI-22.34	Chloramphenicol			g	5g					
MBI-22.35	Nigrosin			ml	250ml					
	Total									

Lot No 02:06 Microbiology Laboratory Chemicals and consumables

MBI-23.1	Ethanol (Absolute)			ml	3000 ml					
MBI-23.2	Methanol (Absolute)			ml	2000 ml					
	Total									

Lot No 02:07 Microbiology Laboratory Chemicals and consumables

MBI-24.1	Wash Bottle			Nos.	5					
MBI-24.2	Gas Bunsen burner			Nos.	5					
MBI-24.3	Inoculating loop with handle			Nos.	5					
MBI-24.4	laboratory scalpel • Scalpel handle (No 10/11)			Nos.	10					
MBI-24.5	laboratory scalpel • Scalpel blade stainless steel			Nos.	100					
MBI-24.6	Forceps			Nos.	5					
MBI-24.7	Spatula set			Set	3					
MBI-24.8	Laboratory Scissor			Nos.	10					
	Total									

Lot No 02:08 Microbiology Laboratory Chemicals and consumables

MBI-25.1	Vacuum flasks for bacterial sampletransfer.			Nos.	5					
MBI-25.2	Water jet filter pump(Vacuum Aspirator Pump)			Nos.	4					
MBI-25.3	Microtube racks			Nos.	20					
	Total									

Lot No 02:09 Microbiology Laboratory Chemicals and consumables

MBI-26.1	Micropipette tips with pipette tip box (1000 µl)			Nos.	10 boxes (96*10= 960 tips)					
MBI-26.2	Micropipette tips with pipette tip box (50-200 µl)			Nos.	10 boxes (96*10= 960 tips)					
MBI-26.3	Micropipette tips with pipette tip box (0.1-20 µl)			Nos.	10 boxes (96*10= 960 tips)					
MBI-26.4	Micro centrifuge tubes			Nos.	5000					
MBI-26.5	polypropyle ne tubes with screw cap			Nos.	500					
MBI-26.7	polypropyle ne tubes with screw cap			Nos.	500					
MBI-26.8	Parafilm role			Nos.	30					
	Total									

Lot No 02:10 Microbiology Laboratory Chemicals and consumables

MBI-27.1	Syringe filter			Nos.	100					
MBI-27.2	Syringe PP/PE without needle			Nos.	100					
MBI-27.3	Cell Culture Flasks with Vented Caps			Nos.	50					
	Total									

Lot No 02:11 Biochemistry and Bioprocessing Technology Chemicals

MBI-28.1	Alpha naphthol			g	250 g					
MBI-28.2	Amylase			g	10 g					
MBI-28.3	Anhydrous sodium citrate			g	500 g					
MBI-28.4	Copper (II) acetatemonohydrat e			g	200 g					
MBI-28.5	Copper sulphate pentahydrat e			g	1000 g					
MBI-28.6	Copper (II) sulphate			g	250 g					
MBI-28.7	Ferric chloride			g	500 g					
MBI-28.8	Lead nitrate			g	100 g					
MBI-28.9	Mercury (II) chloride			g	100 g					
MBI-28.10	Potassium bisulfate			g	100 g					
MBI-28.11	Potassium ferrocyanide			g	100 g					

MBI-28.12	Potassium iodide			g	100 g					
MBI-28.13	Potassium permanganate			g	100 g					
MBI-28.14	Potassium Sodium Tartrate			g	500 g					
MBI-28.15	Potassium thiocyanate			g	500 g					
	Total									

Lot No 02:12 Biochemistry and Bioprocessing Technology Chemicals										
MBI-29.1	Beef extract			g	1000 g					
MBI-29.1	Bovineserum albumin			g	100 g					
MBI-29.2	Cholesterol			g	100 g					
MBI-29.3	Corn starch			g	1000 g					
MBI-29.4	D-(+)-Glucose			g	1000 g					
MBI-29.5	D-Ribose			g	50 g					
MBI-29.6	Gelatin			g	500 g					
MBI-29.7	Glycogen			g	500 g					
MBI-29.8	Glycine			g	50 g					
MBI-29.9	Iodine, crystalline			g	500 g					
MBI-29.10	Lactose			g	1000 g					

MBI-29.11	Nile blue A			g	25 g					
MBI-29.1	Orcinol			g	5 g					
MBI-29.13	Phenol red			g	5 g					
MBI-29.14	Peptone			g	500 g					
MBI-29.15	Resorcinol			g	100 g					
	Total									

Lot No 02:13 Biochemistry and Bioprocessing Technology Chemicals										
MBI-30.1	Benédicts Solution			ml	1000 ml					
MBI-30.2	Benzene			ml	500 ml					
MBI-30.3	Bromine water			ml	200 ml					
MBI-30.4	Conc. nitric acid			ml	500 ml					
MBI-30.5	Ninhydrin			ml	20 ml					
	Total									

Lot No 02:14 Biochemistry and Bioprocessing Technology Chemicals										
MBI-31.1	Starch			g	500 g					
MBI-31.2	Sucrose			g	200 g					

MBI-31.3	Sudan IV			g	25 g					
MBI-31.4	Sudan Black B			g	25 g					
MBI-31.5	Tyrosine			g	10 g					
MBI-31.6	Yeast extract			g	1000 g					
	Total									
Lot No 02:15 Biochemistry and Bioprocessing Technology Chemicals										
MBI-32.1	pH reference buffers (pH 4,7 and 10)			ml	500 ml each					
MBI-32.2	pHydrion Paper/ pH paper			Roll	3					
	Total									

Grand total of the lot

Name _____
 In the capacity of _____
 Signed _____
 Duly authorized to sign the Bid for and on behalf of _____
 Date _____

Price Schedule for Related Services to Be Offered from Outside and Within the Purchaser's Country

Name of Bidder _____ IFB Number _____ Page ____ of ____

Item No.	Description	Country of Origin	Quantity and Unit of Measure-ment	Unit Price		Total Price per Item	
				(a)	(b)	(a)	(b)
				Foreign Currency	Local Currency	Foreign Currency	Local Currency
1	2	3	4	5(a)	5(b)	6(a) = 4 x 5(a)	6(b) = 4 x 5(b)
Total Amount							

Notes:

Columns 5 and 6: Currencies in accordance with ITB 15

Prices are to be quoted inclusive of all customs duties, sales and other similar taxes applicable in the Purchaser's country and payable on the Related Services, if the Contract is awarded to the Bidder

Name _____
 In the capacity of _____
 Signed _____
 Duly authorized to sign the Bid for and on behalf of _____
 Date _____

Bid Security Bank Guarantee

*[insert bank's name, and address of issuing branch or office]*⁴

Beneficiary: *[insert name and address of the Purchaser]*

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

Bid Security No.: *[insert number]*

We have been informed that *[insert name of the bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated *[insert date (as day, month, and year)]* (hereinafter called "the Bid") for the execution of *[insert name of contract]* under Invitation for Bids No. *[insert IFB number]* ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we *[insert name of bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount in words]* *[insert amount in figures]* upon receipt by us of your first demand in writing accompanied by a written statement, stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Bid Submission Sheet; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Agreement; or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This guarantee will expire (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Bidder and the Performance Security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder, or (ii) 28 days after the expiration of the Bidder's bid.

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 Revisions, ICC Publication No. 758.⁵

[Authorized signature(s) and bank's seal (where appropriate)]

⁴ All italicized text is for use in preparing this form and shall be deleted from the final document.

⁵ Or the Purchaser may use "Uniform Rules for Demand Guarantees (URDG), ICC Publication No. 458" as appropriate.

Bid-Securing Declaration

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

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

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

To: *[insert complete name of the 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 in any contract with the Borrower for the period of time of *[insert number of years indicated in ITB 21.2 of the BDS]* starting on the date that we receive a notification from the Purchaser that our Bid-Securing Declaration is executed, if we are in breach of our obligation(s) under the bid conditions, because we

- (a) have withdrawn our Bid during the period of bid validity specified in the Bid Submission Sheet; or
- (b) do not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract Agreement, if required, or (ii) fail or refuse to furnish the Performance Security, 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) 28 days after the expiration of our Bid.

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

In the capacity of *[insert legal capacity of person signing the Bid-Securing Declaration]*

Name: *[insert complete name of person signing the Bid-Securing Declaration]*

Duly authorized to sign the bid for and on behalf of *[insert complete name of the bidder]*

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

Corporate Seal *(where appropriate)*

Manufacturer's Authorization

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

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

To: *[insert complete name of the Purchaser]*

WHEREAS

We *[insert complete name of the 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 the 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, with respect to the goods offered by the above firm.

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

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

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of *[insert complete name of the manufacturer]*

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

Note --

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

The bidder shall require the manufacturer to fill out this form in accordance with the instructions indicated. This letter of authorization 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 Bid Data Sheet (BDS).

AFFILIATE COMPANY GUARANTEE

Name of Contract/Contract No.: _____

Name and address of Purchaser: _____
 [together with successors and assigns].

We have been informed that [name of Contractor] (hereinafter called the "Contractor") is submitting an offer for the above-referenced Contract in response to your invitation, and that the conditions of your invitation require its offer to be supported by an affiliate company guarantee.

In consideration of you, the Purchaser, awarding the Contract to the Contractor, we [name of affiliated company] irrevocably and unconditionally guarantee to you, as a primary obligation, that (i) throughout the duration of the Contract, we will make available to the Contractor our financial, technical capacity, expertise and resources required for the Contractor's satisfactory performance of the Contract; and (ii) we are fully committed, along with the Contractor, to ensuring a satisfactory performance of the Contract.

If the Contractor fails to so perform its obligations and liabilities and comply with the Contract, we will indemnify the Purchaser against and from all damages, losses and expenses (including legal fees and expenses) which arise from any such failure for which the Contractor is liable to the Purchaser under the Contract.

This guarantee shall come into full force and effect when the Contract comes into full force and effect. If the Contract does not come into full force and effect within a year of the date of this guarantee, or if you demonstrate that you do not intend to enter into the Contract with the Contractor, this guarantee shall be void and ineffective. This guarantee shall continue in full force and effect until all the Contractor's obligations and liabilities under the Contract have been discharged, when this guarantee shall expire and shall be returned to us, and our liability hereunder shall be discharged absolutely.

This guarantee shall apply and be supplemental to the Contract as amended or varied by the Purchaser and the Contractor from time to time. We hereby authorize them to agree on any such amendment or variation, the due performance of which and compliance with which by the Contractor are likewise guaranteed hereunder. Our obligations and liabilities under this guarantee shall not be discharged by any allowance of time or other indulgence whatsoever by the Purchaser to the Contractor, or by any variation or suspension of the works to be executed under the Contract, or by any amendments to the Contract or to the constitution of the Contractor or the Purchaser, or by any other matters, whether with or without our knowledge or consent.

This guarantee shall be governed by the law of the same country (or other jurisdiction) that governs the Contract and any dispute under this guarantee shall be finally settled under the [Rules or Arbitration provided in the Contract]. We confirm that the benefit of this guarantee may be assigned subject only to the provisions for assignment of the Contract.

Signed by:..... (signature) (name) (position in parent/subsidiary company)	Signed by: (signature) (name) (position in parent/subsidiary company)
--	---

Date:.....

-- Note --

If permitted in accordance with ITB 38.2 of the BDS, the Bidder shall provide the Affiliate Company Guarantee Form filled out and signed by each subsidiary, parent entity, or affiliate that the Bidder submits for consideration of the Purchaser in determining its qualifications.

Bidder's Qualification

To establish its qualifications to perform the contract in accordance with Section 3 (Evaluation and Qualification Criteria), the Bidder shall provide the following information requested in the corresponding Information Sheets.

Form ELI - 1: Bidder's Information Sheet

Bidder's Information			
		Information of the Bidder	If the Bidder is a subsidiary or branch, information of any parent company/companies
Names	Full legal name(s)		
	Full trading name(s) (if any)		
Addresses	Registered address(es)		
	Trading address(es)		
	Postal address(es) (if different from trading address)		
Type of organization			
Country of constitution/incorporation/registration			
Year of constitution/incorporation/registration			
Corporate or registration number			
In case of a Joint Venture, legal name of each partner			
Bidder's authorized representative (name, address, telephone number(s), fax number(s) and e-mail address)			
Attached are copies of the following documents: 1. In case of a single entity, articles of incorporation or constitution and company incorporation/registration of the legal entity named above, in accordance with ITB 4.1 and ITB 4.2 2. Authorization to represent the firm or Joint Venture named above, in accordance with ITB 22.2 3. In case of a Joint Venture, a letter of intent to form a Joint Venture or Joint Venture agreement, in accordance with ITB 4.1 4. In case of a government-owned enterprise, any additional documents not covered under 1 above required to comply with ITB 4.5			

Form ELI - 2: Joint Venture Information Sheet

Each member of the Joint Venture must fill out this form separately.

Joint Venture Information			
Bidder's legal name			
		Information of Joint Venture Partner	If any Joint Venture Partner is a subsidiary or branch, information of any parent company/companies
Names	Full legal name		
	Full trading name(s) (if any)		
Addresses	Registered address(es)		
	Trading address(es)		
	Postal address(es) (if different from trading address)		
Type of organization			
Country of constitution/incorporation/registration			
Year of constitution/incorporation/registration			
Corporate or registration number			
Joint Venture Partner's authorized representative information (name, address, telephone number(s), fax number(s) and e-mail address)			
Attached are copies of the following documents: 1. Articles of incorporation or constitution and company incorporation/registration of the legal entity named above, in accordance with ITB 4.1 and ITB 4.2 2. Authorization to represent the firm named above, in accordance with ITB 22.2 3. In the case of a government-owned enterprise, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB 4.5			

Form CON – 1: Historical Contract Nonperformance

For Contract type B, each Bidder must fill out this form in accordance with Criteria 2.2.1 and 2.2.3 of Section 3 (Evaluation and Qualification Criteria) to describe any history of nonperforming contracts and pending litigation or arbitration formally commenced against it.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

Joint Venture Partner: _____

Table 1: History of Nonperforming Contracts			
Choose one of the following: ☐ No nonperforming contracts. ☐ Below is a description of nonperforming contracts involving the Bidder (or each Joint Venture partner if Bidder is a Joint Venture).			
Year	Description	Amount of Nonperformed Portion of Contract (\$ equivalent)	Total Contract Amount (\$ equivalent)
[insert year]	Contract Identification: [indicate complete contract name/ number, and any other identification] Name of Purchaser: [insert full name] Address of Purchaser: [insert street/city/country] Reason(s) for nonperformance: [indicate main reason(s)]	[insert amount]	[insert amount]
Table 2: Pending Litigation and Arbitration			
Choose one of the following: ☐ No pending litigation, arbitration or any other material events impacting the net worth and/or liquidity of the bidder. ☐ Below is a description of all pending litigation, arbitration involving the Bidder or any other material events impacting the net worth and/or liquidity of the bidder (or each Joint Venture partner if Bidder is a Joint Venture).			
Year	Matter in Dispute	Value of Pending Claim in \$ Equivalent	Value of Pending Claim as a Percentage of Net Worth
[insert year]	Contract Identification, as applicable: [indicate complete contract name/ number, and any other identification] Name of Purchaser, parties involved in the material events impacting the net worth and/or liquidity of the bidder: [insert full name] Address of Purchaser, parties involved in the material events impacting the net worth and/or liquidity of the bidder: [insert street/city/country] Matter of Dispute: [indicate full description of dispute] Party who initiated the dispute: [indicate "Purchaser" or "Contractor"] Status: [indicate status of dispute]	[insert amount]	[insert amount]

- Note -

Table 2 of this form shall only be included if Criterion 2.2.3 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Form EXP - 1: Contractual Experience

Fill out one (1) form per contract. Each contract shall be supported by Signed Contract Agreement.

Contractual Experience		
Contract No of	Contract Identification Lot No :	
Award Date		Completion Date
Role in Contract	☐ Manufacturer ☐ Supplier ☐ Subcontractor	
Total Contract Amount	\$	
If partner in a joint venture or subcontractor, specify participation of total contract amount	Percent of Total	Amount
Purchaser's name Address Telephone/Fax Number E-mail		
Description of the Similarity in Accordance with Criteria 2.2.1 (Contract Type A) or 2.3.1 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria)		

- Note -

This form shall only be included if either Criterion 2.2.1 (Contract Type A) or 2.3.1 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Form EXP - 2: Technical Experience

Fill out one (1) form per contract. Each contract shall be supported by Signed Contract Agreement.

Technical Experience	
Name of Product	
Manufacturer:	Address and Nationality:
Requirements in Accordance with Criterion 2.3.2 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria)	
(i) Product has been in production for at least years.	
(ii) Product (or equipment) has been sold a minimum of units of similar type and specification over the last three (3) years.	
(iii) Product has been in operation for a minimum of years.	

- Note -

This form shall only be included if Criterion 2.3.2 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable. Add pages as necessary. The Purchaser reserves the right to verify authenticity of Bidder submissions.

Form EXP - 3: Production Capacity

Fill out one (1) form per product and manufacturer.

Production Capacity	
Name of Product	
Manufacturer:	Address and Nationality:
Requirements in Accordance with Criterion 2.3.3 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria)	
Production facility 1 (include location):	
Production facility 2 (include location):	
Production facility 3 (include location):	

- Note -

This form shall only be included if Criterion 2.3.3 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable. The Purchaser reserves the right to verify authenticity of Bidder submissions.

Form FIN - 1: Historical Financial Performance

Each Bidder must fill out this form.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

Joint Venture Partner: _____

Financial Data for Previous ____ Years [\$ Equivalent]		
2019/2020	2020/2021	2021/2022

Information from Balance Sheet

Total Assets (TA)			
Total Liabilities (TL)			
Net Worth = TA-TL			
Current Assets (CA)			
Current Liabilities (CL)			
Working Capital = CA - CL			

Most Recent Working Capital		To be obtained for most recent year and carried forward to FIN - 3 Line 1; in case of Joint Ventures, to the corresponding Joint Venture Partner's FIN - 3.
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Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

- ☐ Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last ____ years, as indicated above, complying with the following conditions:
- 1) Unless otherwise required by Section 3 of the Bidding Documents, all such documents reflect the standalone financial situation of the legal entity or entities comprising the Bidder and not the Bidder's parent companies, subsidiaries, or affiliates.
 - 2) Historical financial statements must be audited by a certified accountant.
 - 3) Historical financial statements must be complete, including all notes to the financial statements.
 - 4) Historical financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

- Note -

This form shall only be included if Criterion 2.3.1 (Contract Type A) or 2.4.1 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Form FIN - 2: Size of Operation (Average Annual Turnover)

Each Bidder must fill out this form.

The information supplied should be the Annual Turnover of the Bidder or each partner of a Joint Venture for the total certified payments received from the clients for contracts in progress or completed, converted to US dollars at the rate of exchange at the end of the period reported.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

Joint Venture Partner: _____

Annual Turnover Data for the Last . . . Years			
Year	Amount Currency	Exchange Rate	\$ Equivalent
Average Annual Turnover			

- Note -

This form shall only be included if Criterion 2.3.2 (Contract Type A) or 2.4.2 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Form FIN - 3: Cash Flow Capacity

Specify proposed sources of financing, such as working capital, liquid assets,⁶ lines of credit, and other financial resources (other than any contractual advance payments) available to meet the cash flow requirements indicated under Criterion 2.4.3 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria).

Financial Resources		
No.	Source of financing	Amount (\$ equivalent)
1		
2		
3		

- Note -

This form shall only be included if Criterion 2.4.3 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

⁶

Liquid assets mean cash and cash equivalents, short-term financial instruments, short-term available-for-sale-securities, marketable securities, trade receivables, short-term financing receivables, and other assets that can be converted into cash within one (1) year.

Section 5: Eligible Countries

Regional Member Countries

1. [Afghanistan](#)
2. [Armenia](#)
3. [Australia](#)
4. [Azerbaijan](#)
5. [Bangladesh](#)
6. [Bhutan](#)
7. [Brunei Darussalam](#)
8. [Cambodia](#)
9. [China, People's Republic of](#)
10. [Cook Islands](#)
11. [Fiji](#)
12. [Georgia](#)
13. [Hong Kong, China](#)
14. [India](#)
15. [Indonesia](#)
16. [Japan](#)
17. [Kazakhstan](#)
18. [Kiribati](#)
19. [Korea, Republic of](#)
20. [Kyrgyz Republic](#)
21. [Lao People's Democratic Republic](#)
22. [Malaysia](#)
23. [Maldives](#)
24. [Marshall Islands](#)
25. [Micronesia, Federated States of](#)
26. [Mongolia](#)
27. [Myanmar](#)
28. [Nauru](#)
29. [Niue](#)
30. [Nepal](#)
31. [New Zealand](#)
32. [Pakistan](#)
33. [Palau](#)
34. [Papua New Guinea](#)
35. [Philippines](#)
36. [Samoa](#)
37. [Singapore](#)
38. [Solomon Islands](#)
39. [Sri Lanka](#)
40. [Taipei, China](#)
41. [Tajikistan](#)
42. [Thailand](#)
43. [Timor-Leste](#)
44. [Tonga](#)
45. [Turkmenistan](#)
46. [Tuvalu](#)
47. [Uzbekistan](#)
48. [Vanuatu](#)
49. [Viet Nam](#)

Non-regional member Countries

1. [Austria](#)
2. [Canada](#)
3. [Denmark](#)
4. [Finland](#)
5. [France](#)
6. [Germany](#)
7. [Ireland](#)
8. [Italy](#)
9. [Luxembourg](#)
10. [The Netherlands](#)
11. [Norway](#)
12. [Portugal](#)
13. [Spain](#)
14. [Sweden](#)
15. [Switzerland](#)
16. [Turkey](#)
17. [United Kingdom](#)
18. [United States](#)

Section 6- Schedule of Supply

Contents

- 1. List of Goods and Related Services 6-2
- 2. Delivery and Completion Schedule 6-29
- 3. Technical Specifications 6-30
- 4. Drawings 6-53

List of Goods and Related Services

Lot 01

Biology Lab glassware, chemicals, and consumables-II

Lot 01 :01			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-1.1	Glass BEAKERS- Volume: 25 ml	Nos.	30
BIO-1.2	Glass BEAKERS- Volume: 50 ml	Nos.	30
BIO-1.3	Glass BEAKERS- Volume: 100 ml	Nos.	30
BIO-1.4	Glass BEAKERS- Volume: 250 ml	Nos.	30
BIO-1.5	Glass BEAKERS- Volume: 500 ml	Nos.	20
BIO-1.6	Glass BEAKERS- Volume: 1000 ml	Nos.	10
BIO-1.7	Glass ERLENMEYER FLASKS- Volume: 50 ml	Nos.	10
BIO-1.8	Glass ERLENMEYER FLASKS- Volume: 100 ml	Nos.	20
BIO-1.9	Glass ERLENMEYER FLASKS- Volume: 250 ml	Nos.	20
BIO-1.10	Glass ERLENMEYER FLASKS- Volume: 500 ml	Nos.	20
BIO-1.11	Glass ERLENMEYER FLASKS- Volume: 1000 ml	Nos.	05
BIO-1.12	GLASS BOTTLES/ Reagent bottles - Volume: 100 ml (Transparent)	Nos.	25
BIO-1.13	GLASS BOTTLES/ Reagent bottles - Volume: 250 ml (Transparent)	Nos.	40
BIO-1.14	GLASS BOTTLES/ Reagent bottles - Volume: 250 ml (Amber color)	Nos.	05
BIO-1.15	GLASS BOTTLES/ Reagent bottles - Volume: 500 ml (Transparent)	Nos.	25
BIO-1.16	GLASS BOTTLES/ Reagent bottles - Volume: 1000 ml (Transparent)	Nos.	10
BIO-1.17	WASH BOTTLES	Nos.	40
BIO-1.18	Glass VOLUMETRIC FLASKS- Volume: 10 ml	Nos.	05
BIO-1.19	Glass VOLUMETRIC FLASKS- Volume: 25 ml	Nos.	05
BIO-1.20	Glass VOLUMETRIC FLASKS- Volume: 50 ml	Nos.	20
BIO-1.21	Glass VOLUMETRIC FLASKS- Volume: 100 ml	Nos.	20
BIO-1.22	Glass VOLUMETRIC FLASKS- Volume: 250 ml	Nos.	15
BIO-1.23	Glass VOLUMETRIC FLASKS- Volume: 500 ml	Nos.	10
BIO-1.24	Glass GRADUATED MEASURING CYLINDERS- Volume: 10 ml	Nos.	10
BIO-1.25	Glass GRADUATED MEASURING CYLINDERS- Volume: 50 ml	Nos.	10
BIO-1.26	Glass GRADUATED MEASURING CYLINDERS- Volume: 100 ml	Nos.	10
BIO-1.27	Glass GRADUATED MEASURING CYLINDERS- Volume: 500 ml	Nos.	05

BIO-1.28	Glass GRADUATED MEASURING CYLINDERS- Volume: 1000 ml	Nos.	05
BIO-1.29	Glass GRADUATED SEPARATING FUNNEL- Volume: 50 ml	Nos.	05
BIO-1.30	Glass GRADUATED SEPARATING FUNNEL- Volume: 250 ml	Nos.	05

Lot 01 :02			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-2.1	McCartney Bottles	Nos.	50
BIO-2.2	Watch Glasses: Diameter: ~ 40 mm	Nos.	20
BIO-2.3	Watch Glasses: Diameter: ~ 70 mm	Nos.	20
BIO-2.4	Watch Glasses: Diameter: ~ 100 mm	Nos.	20
BIO-2.5	Glass Conical Funnel: Diameter: ~ 60 mm	Nos.	10
BIO-2.6	Glass Conical Funnel: Diameter: ~ 80 mm	Nos.	10
BIO-2.7	Test tubes	Nos.	100
BIO-2.8	Petri dishes- Diameter 10 cm	Nos.	100
BIO-2.9	Petri dishes- Diameter 8 cm	Nos.	50
BIO-2.10	Glass haemocytometer	Nos.	05
BIO-2.11	Glass rods	Nos.	20
BIO-2.12	Dropping bottle with graduated dropper- Clear glass	Nos.	20
BIO-2.13	Dropping bottle with graduated dropper- Amber color	Nos.	20
BIO-2.14	Pasteur pipette rubber bulbs	Nos.	20

Lot 01:03			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-3.1	Dissecting FORCEPS- Straight fine sharp point tip	Nos.	20
BIO-3.2	Dissecting FORCEPS- Curved inclined fine sharp point tip	Nos.	10
BIO-3.3	Dissecting SCISSORS	Nos.	10
BIO-3.4	SCALPEL BLADE	Nos.	100
BIO-3.5	SCALPEL HANDLE	Nos.	20
BIO-3.6	Petri dish canisters- for 10 cm dishes	Nos.	10
BIO-3.7	Petri dish canisters- for 8 cm dishes	Nos.	05

BIO-3.8	SPATULAS- Macro spoon spatula	Nos.	15
BIO-3.9	SPATULAS- Double end spatula	Nos.	15
BIO-3.10	SPATULAS- Micro spoon spatula	Nos.	15
BIO-3.11	SPATULAS- Round grooved spatula	Nos.	15
BIO-3.12	Inoculation loop	Nos.	10
BIO-3.13	Test tube holder/ Tong	Nos.	40
BIO-3.14	Laboratory benchclamp 3-prong	Nos.	05
BIO-3.15	Laboratory Condenser Clamp	Nos.	05
BIO-3.16	Retort Stand	Nos.	05
BIO-3.17	clamp holder	Nos.	10
BIO-3.18	Coated Wire Tube Rack	Nos.	04

Lot 01:04			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-4.1	Boiling TUBE RACK	Nos.	30
BIO-4.2	Pasteur PIPETTES	Nos.	100
BIO-4.3	Micropipette tips with tip box -0.5-10 µl	Box	30
BIO-4.4	Micropipette tips with tip box -20-200 µl	Box	30
BIO-4.5	Micropipette tips with tip box -100-1000 µl	Box	30
BIO-4.6	PCR tube holder	Nos.	5
BIO-4.7	Eppendorf tube holder	Nos.	10
BIO-4.8	Pipette fillers- Green (up to 10 ml)	Nos.	05
BIO-4.9	Pipette fillers- Red (up to 25 ml)	Nos.	05

Lot 01:05			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-5.1	Parafilm roll	Nos.	05
BIO-5.2	Weighing boats/ Pour boat weighing dishes packs	Pack	04
BIO-5.3	Cellulose thimble for soxhlet	Nos.	25
BIO-5.4	Laboratory tubing	m	15

Lot 01:06			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-6.1	Round Bottom Flasks	Nos.	05
BIO-6.2	Three-way adapter	Nos.	05
BIO-6.3	Bent vacuum-distilling adapter	Nos.	05
BIO-6.4	West Condensers	Nos.	05
BIO-6.5	Joint Clips	Nos.	30
BIO-6.6	Thermometer Adapter	Nos.	05
BIO-6.8	Graduated Dropping funnel with glass stopper	Nos.	02

Lot 01:07			
Lot name: Biology Laboratory glassware and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-7.1	Nitril Gloves: Size: Large	Box	03
BIO-7.2	Nitril Gloves: Size: Medium	Box	03
BIO-7.3	Nitril Gloves: Size: Small	Box	03
BIO-7.4	Acid Trays	Nos.	10

Lot 01:08			
Lot name: Biology Laboratory Chemicals and consumables			
Item No.	Name of Goods or Related Services	Unit of Measurement	Quantity
BIO-8.1	Agar	g	1000 g
BIO-8.2	Ampicillin	g	5 g
MBI-8.3	Crystal violet	ml	250 ml
BIO -8.4	Eosin methylene blue agar	g	500 g

BIO -8.5	Gram's iodine	ml	250ml
BIO -8.6	Nile blue strain	g	2.5 g
BIO -8.7	Nutrient agar	g	2500 g
BIO -8.8	phenol: chloroform: isoamyl alcohol (25:24:1, v/v/v)	ml	2500 ml
BIO -8.9	Potato dextrose agar	g	2500 g
BIO -8.10	Safranin	ml	250 ml
BIO -8.11	Potato dextrose broth	g	1500 g
BIO -8.12	Nutrient Broth	g	1500 g
BIO -8.13	Yeast Manitol Agar (YMA)	g	1000g
BIO -8.14	Congo red	g	250g
BIO -8.15	Lactose Broth	g	1000g
BIO -8.16	Eosin Methylene Blue Agra (EMB-Agar)	g	1000g
BIO -8.17	Acetone	ml	1000ml
BIO -8.18	Chloroform	ml	2500 ml
BIO -8.19	Conc.hydrochloric acid	ml	1000 ml
BIO -8.20	Conc. sulfuric acid	ml	750 ml
BIO -8.21	Glacial acetic acid	ml	750 ml
BIO -8.22	Isoamyl alcohol	ml	1000 ml
BIO -8.23	Isopropanol	ml	2500 ml
BIO -8.24	Acetocarmine solution	ml	125 mL
BIO -8.25	Ammonium hydroxide	g	250 g
BIO -8.26	Ammonium oxalate	g	250 g
BIO -8.27	Boric acid	g	1000 g
BIO -8.28	Calcium Chloride	g	250 g
BIO -8.29	Calcium acetate hydrate	g	50 g
BIO -8.30	Calcium magnesium carbonate, CaMg(CO ₃) ₂	g	250 g
BIO -8.31	Ethylenedia minetetraac etic acid (EDTA)	g	250 g
BIO -8.32	Glycerol	ml	500 ml
BIO -8.33	Isopropyl β-D-1- thiogalactop yranoside	g	2.5 g
BIO -8.34	Potassium hydroxide	g	500 g
BIO -8.35	Sodium bicarbonate	g	250 g
BIO -8.36	Sodium chloride	g	1000 g
BIO -8.37	Sodium dodecyl sulfate (SDS)	g	500 g
BIO -8.38	Sodium acetate trihydrate	g	250 g
BIO -8.39	Sodium Carbonate Anhydrous	g	500 g
BIO -8.40	Sodium hypochlorite .5H ₂ O	g	250 g
BIO -8.41	Sodium Hydroxide	g	500 g
BIO -8.42	Sodium phosphate dibasic (Na ₂ HPO ₄)	g	250 g
BIO -8.43	Sodium phosphate monobasic (NaH ₂ PO ₄)	g	250g
BIO -3.44	Non-Carcinogenic DNA stain Dye (Alternative for EtBr)	μl	2500 μl

Lot 02**Microbiology Lab equipment, chemicals, and consumables**

Lot No 02:01 Microbiology Laboratory Equipment			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-18.1	Automated bacterial Colony Counter	Nos.	2

Lot No 02:02 Microbiology Laboratory Equipment			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-19.1	Plate Reader (Microplate reader)	Nos	1

Lot No 02:03 Microbiology Laboratory Chemicals and consumables			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-20.1	Agar	g	5000 g
MBI-20.2	Ampicillin	g	10 g
MBI-20.3	Crystal violet	ml	500 ml
MBI-20.4	Eosin methylene blue agar	g	1000 g
MBI-20.5	Folin & Ciocalteu's Phenol Reagent	mL	100 mL
MBI-20.6	Gram's iodine	ml	500ml
MBI-20.7	Guar gum	g	500 g
MBI-20.8	Kanamycin	g	10 g
MBI-20.9	M9 Minimal Salts medium 5X powder	g	2000 g
MBI-20.10	Nile blue strain	g	5 g
MBI-20.11	Nutrient agar	g	5000 g
MBI-20.12	phenol: chloroform: isoamyl alcohol (25:24:1,v/v/v)	ml	5000 ml
MBI-20.13	Potato dextrose agar	g	5000 g
MBI-20.14	Skim milk agar	g	2000 g
MBI-20.15	Safranin	ml	500 mL
MBI-20.16	Starch (treated with glycerol at 190°C)	g	25 g
MBI-20.17	Sudan black B	g	5 g
MBI-20.18	Yeast extract	g	1000 g
MBI-20.19	Potato dextrose broth	g	3000 g
MBI-20.20	Nutrient Broth	g	3000 g

MBI-20.21	Yeast Manitol Agar (YMA)	g	2000g
MBI-20.22	Congo red	g	500g
MBI-20.23	Lactose Broth	g	2000g
MBI-20.24	Eosin Methylene Blue Agra (EMB-Agar)	g	2000g

Lot No 02:04 Microbiology Laboratory Chemicals and consumables			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-21.1	Acetone	mL	2000mL
MBI-21.2	Chloroform	ml	5000 ml
MBI-21.3	Conc.hydrochloric acid	ml	2000 ml
MBI-21.4	Conc. sulfuric acid	ml	1500 ml
MBI-21.5	Glacial acetic acid	ml	1500 ml
MBI-21.6	Isoamyl alcohol	ml	2000 ml
MBI-21.7	Isopropanol	ml	5000 ml

Lot No 02: 05Microbiology Laboratory Chemicals and consumables			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-22.1	Acetocarmi ne solution	mL	250 mL
MBI-22.2	Ammonium hydroxide	g	500 g
MBI-22.3	Ammonium oxalate	g	500 g
MBI-22.4	Boric acid	g	2000 g
MBI-22.5	Calcium Chloride	g	500 g
MBI-22.6	Calcium acetate hydrate	g	100 g
MBI-22.7	Calcium magnesium carbonate, CaMg(CO ₃) ₂	g	500 g
MBI-22.8	Ethylenedia minetetraac etic acid (EDTA)	g	500 g
MBI-22.9	Glycerol	ml	1000 ml
MBI-22.10	Isopropyl β-D-1-thiogalactop yranoside (IPTG)	g	5 g
MBI-22.11	L-Tyrosine, Free Base	g	100 g
MBI-22.12	Lithium chloride	g	500g
MBI-22.13	4-Nitrophenyl dodecanoat e	g	1g
MBI-22.14	Polyvinylpyr rolidone (P VP 40)	g	500 g
MBI-22.15	Phenyl acetate	g	100 g
MBI-22.16	Potassium hydroxide	g	1000 g
MBI-22.17	Sodium bicarbonate	g	500 g
MBI-22.18	Sodium chloride	g	2000 g

MBI-22.19	Sodium dodecyl sulfate (SDS)	g	1000 g
MBI-22.20	Sodium acetate trihydrate	g	500 g
MBI-22.21	Sodium Carbonate Anhydrous	g	1000 g
MBI-22.22	Sodium hypochlorite .5H ₂ O	g	500 g
MBI-22.23	Sodium Hydroxide	g	1000 g
MBI-22.24	Sodium phosphate dibasic (Na ₂ HPO ₄)	g	500 g
MBI-22.25	Sodium phosphate monobasic (NaH ₂ PO ₄)	g	500 g
MBI-22.26	Tris base	g	1000 g
MBI-22.27	Trichloroacetic Acid	mL	100 mL
MBI-22.28	Tryptone	g	500 g
MBI-22.29	Non-Carcinogenic DNA stain Dye Alternative for EtBr	µl	5000 µl
MBI-22.30	DNA loading Dye	µl	5000 µl
MBI-22-31	Hexadecyl trimethyl ammonium bromide (CTAB)	g	1000g
MBI-22-32	Polyvinylpyrrolidone (PVP)	g	5000g
MBI-22-33	Boric Acid	g	1000g
MBI-22-33	Streptomycin	g	10g
MBI-22-34	Tetracycline	g	10g
MBI-22-33	Kanamycin	g	5g
MBI-22-34	Chloramphenicol	g	5g
MBI-22-35	Nigrosin	ml	250ml

Lot No 02:06 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-23.1	Ethanol (Absolute)	ml	3000 ml
MBI-23.2	Methanol (Absolute)	ml	2000 ml

Lot No 02:07 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-24.1	Wash Bottle	Nos.	5
MBI-24.2	Gas Bunsen burner	Nos.	5
MBI-24.3	Inoculating loop with handle	Nos.	5
MBI-24.4	laboratory scalpel • Scalpel handle (No 10/11)	Nos.	10
MBI-24.5	laboratory scalpel • Scalpel blade stainless steel	Nos.	100
MBI-24.6	Forceps	Nos.	5

MBI-24.7	Spatula set	Set	3
MBI-24.8	Laboratory Scissor	Nos.	10

Lot No 02:08 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-25.1	Vacuum flasks for bacterial sampletransfer.	Nos.	5
MBI-25.2	Water jet filter pump(Vacuum Aspirator Pump)	Nos.	4
MBI-25.3	Microtube racks	Nos.	20

Lot No 02:09 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-26.1	Micropipette tips with pipette tip box (1000 µl)	Nos.	10 boxes (96*10= 960 tips)
MBI-26.2	Micropipette tips with pipette tip box (50-200 µl)	Nos.	10 boxes (96*10= 960 tips)
MBI-26.3	Micropipette tips with pipette tip box (0.1-20 µl)	Nos.	10 boxes (96*10= 960 tips)
MBI-26.4	Micro centrifuge tubes	Nos.	5000
MBI-26.5	polypropylene tubes with screw cap	Nos.	500
MBI-26.7	polypropylene tubes with screw cap	Nos.	500
MBI-26.8	Parafilm role	Nos.	30

Lot No 02:10 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-27.1	Syringe filter	Nos.	100
MBI-27.2	Syringe PP/PE without needle	Nos.	100
MBI-27.3	Cell Culture Flasks with Vented Caps	Nos.	50

Lot No 02:11 Biochemistry and Bioprocessing Technology Chemicals

Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-28.1	Alpha naphthol	g	250 g
MBI-28.2	Amylase	g	10 g
MBI-28.3	Anhydrous sodium citrate	g	500 g

MBI-28.4	Copper (II) acetate monohydrate	g	200 g
MBI-28.5	Copper sulphate pentahydrate	g	1000 g
MBI-28.6	Copper (II) sulphate	g	250 g
MBI-28.7	Ferric chloride	g	500 g
MBI-28.8	Lead nitrate	g	100 g
MBI-28.9	Mercury (II) chloride	g	100 g
MBI-28.10	Potassium bisulfate	g	100 g
MBI-28.11	Potassium ferrocyanide	g	100 g
MBI-28.12	Potassium iodide	g	100 g
MBI-28.13	Potassium permanganate	g	100 g
MBI-28.14	Potassium Sodium Tartrate	g	500 g
MBI-28.15	Potassium thiocyanate	g	500 g

Lot No 02:12 Biochemistry and Bioprocessing Technology Chemicals			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-29.1	Beef extract	g	1000 g
MBI-29.1	Bovine serum albumin	g	100 g
MBI-29.2	Cholesterol	g	100 g
MBI-29.3	Corn starch	g	1000 g
MBI-29.4	D-(+)-Glucose	g	1000 g
MBI-29.5	D-Ribose	g	50 g
MBI-29.6	Gelatin	g	500 g
MBI-29.7	Glycogen	g	500 g
MBI-29.8	Glycine	g	50 g
MBI-29.9	Iodine, crystalline	g	500 g
MBI-29.10	Lactose	g	1000 g
MBI-29.11	Nile blue A	g	25 g
MBI-29.1	Orcinol	g	5 g
MBI-29.13	Phenol red	g	5 g
MBI-29.14	Peptone	g	500 g
MBI-29.15	Resorcinol	g	100 g

Lot No 02:13 Biochemistry and Bioprocessing Technology Chemicals			
Item No.	Name of Goods or Related Services	Unit	Quantity

MBI-30.1	Benedicts Solution	ml	1000 ml
MBI-30.2	Benzene	ml	500 ml
MBI-30.3	Bromine water	ml	200 ml
MBI-30.4	Conc. nitric acid	ml	500 ml
MBI-30.5	Ninhydrin	ml	20 ml

Lot No 02:14 Biochemistry and Bioprocessing Technology Chemicals			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-31.1	Starch	g	500 g
MBI-31.2	Sucrose	g	200 g
MBI-31.3	Sudan IV	g	25 g
MBI-31.4	Sudan Black B	g	25 g
MBI-31.5	Tyrosine	g	10 g
MBI-31.6	Yeast extract	g	1000 g

Lot No 02:15 Biochemistry and Bioprocessing Technology Chemicals			
Item No.	Name of Goods or Related Services	Unit	Quantity
MBI-32.1	pH reference buffers (pH 4,7 and 10)	ml	500 ml each
MBI-32.2	pHydrion Paper/ pH paper	Roll	3

Delivery and Completion Schedule

The delivery period shall start as of _____.

Item No.	Description of Goods or Related Services	Delivery Schedule (Duration)	Location	Required Arrival Date of Goods or Completion Date for Related Services
Lot 01	Lot 01 : Biology Lab glassware, chemicals, and consumables-II	within fifteen weeks of Contract	Faculty of Technology, The Sabaragamuwa University of Sri Lanka, P.O. Box 2, Belihuloya 70140, Sri Lanka	within fifteen weeks of Contract
Lot 02	Lot 02 : Microbiology Lab equipment, chemicals, and consumables	within fifteen weeks of Contract	Faculty of Technology, The Sabaragamuwa University of Sri Lanka, P.O. Box 2, Belihuloya 70140, Sri Lanka	within fifteen weeks of Contract

Technical Specifications

Lot 01 : Procurement of Laboratory Equipment for Biology Lab

Lot No. 01: Biology Laboratory Glassware and Consumables					
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
	Glass BEAKERS	- Heat resistant borosilicate clear glass – Class A - Manufacture according to ISO 3819 and DIN 12331 - Thick wall, heavy base - Inscriptions are in permanent white enamel (chemical and heat resistant) - Reinforced rim for preventing breakage			
BIO-1.1		Volume: 25 ml	30		
BIO-1.2		Volume: 50 ml	30		
BIO-1.3		Volume: 100 ml	30		
BIO-1.4		Volume: 250 ml	30		
BIO-1.5		Volume: 500 ml	20		
BIO-1.6		Volume: 1000 ml	10		
	Glass ERLLENMEYER FLASKS	- Heat resistant borosilicate clear glass Class A - Narrow neck - Manufacture according to ISO 1773 - Thick wall and heavy base - Reinforced rim for preventing breakage - Inscriptions are in permanent white enamel (chemical and heat resistant) - Autoclavable			
BIO-1.7		Volume: 50 ml	10		
BIO-1.8		Volume: 100 ml	20		

BIO-1.9		Volume: 250 ml	30		
BIO-1.10		Volume: 500 ml	20		
BIO-1.11		Volume: 1000 ml	05		
	Glass BOTTLES/ Reagent bottles	• Heat resistant borosilicate clear glass • Thick walls and crash resistant corner • Autoclavable • Angled neck • Autoclavable polypropylene leak proof Cap (Lid) • Volume graduations on wall side printed with white enamel • Chemical resistant			
BIO-1.12		Volume: 100 ml (Transparent)	25		
BIO-1.13		Volume: 250 ml (Transparent)	40		
BIO-1.14		Volume: 250 ml (Amber color)	05		
BIO-1.15		Volume: 500 ml (Transparent)	25		
BIO-1.16		Volume: 1000 ml (Transparent)	10		
BIO-1.17	WASH BOTTLES	• Narrow neck • Manufactured from highly translucent and semi-rigid polyethylene with thick walls and crush-resistant corners • Round bottle form allows un-restricted liquid flow-out without leaving any residue at the bottle neck • Dispensing tip • leak-proof lid (cap) • Volume: 500 mL	40		
	Glass VOLUMETRIC FLASKS	• Manufactured from heat resistant borosilicate glass according to DIN EN ISO 1042 standard. • Calibrated according to DIN/ISO Class “A” standard • leak-proof chemical resistant stopper • Conformity certified • Conformity mark (“DE-M”) and batch number printed on the body surface. • Blue colored diamond grinded meniscus ring			
BIO-1.18		Volume: 10 ml	05		

BIO-1.19		Volume: 25 ml	05		
BIO-1.20		Volume: 50 ml	20		
BIO-1.21		Volume: 100 ml	20		
BIO-1.22		Volume: 250 ml	15		
BIO-1.23		Volume: 500 ml	10		
	Glass GRADUA TED MEASURI NG CYLINDE RS	• Manufactured from heat resistant borosilicate glass according to DIN EN ISO 4788 standard. • Calibrated according to DIN/ISO Class “A” standard • Conformity certified • Conformity mark (“DE-M”) and batch number printed on the body surface • Inscriptions on the flask bodies are printed with long lasting white enamel • Flawless spout design			
BIO-1.24		Volume: 10 ml	10		
BIO-1.25		Volume: 50 ml	10		
BIO-1.26		Volume: 100 ml	10		
BIO-1.27		Volume: 500 ml	05		
BIO-1.28		Volume: 1000 ml	05		
	Glass GRADUA TED SEPARATI NG FUNNELS	• Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800 • Thick wall and reinforced rim • Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard • Volume graduations and inscriptions are printed with white enamel • Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing			
BIO-1.29		Volume: 50 ml	05		
BIO-1.30		Volume: 250 ml	05		

Lot No. 02: Biology Laboratory Glassware and Consumables					
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
BIO-2.1	McCartney Bottles	• Manufactured from Neutral clear glass • Heat and chemical resistant glass • Autoclavable • Leak-proof clear glass bottle • Bakelite Autoclavable Screw Cap, Autoclavable Rubber Nitrile Liner • Volume: ~ 30 ml	50		
	Watch Glasses	• Manufactured from heat resistant borosilicate glass • Slightly concave • Highly resistant to chemicals and thermal effects			
BIO-2.2		• Diameter: ~ 40 mm	20		
BIO-2.3		• Diameter: ~ 70 mm	20		
BIO-2.4		• Diameter: ~ 100 mm	20		
	Glass Conical Funnel	• Manufactured from heat resistant borosilicate glass • Highly resistant to chemicals and thermal effects			
BIO-2.5		• Diameter: ~ 60 mm • Height: ~ 100 mm	10		
BIO-2.6		• Diameter: ~ 80 mm • Height: ~ 130 mm	10		
BIO-2.7	Test tubes	• Material : Borosilicate glass • Design type: plain • Reusable • Volume: 20ml • Size ~ 2mm*12.5mm*0.6mm	100		
	Petri dishes	• Manufactured from Borosilicate glass • Neutral clear glass • Heat and chemical resistant glass			

		Autoclavable			
BIO-2.8		Diameter: ~10 cm Height: ~ 1.5 cm	100		
BIO-2.9		Diameter: ~ 8 cm Height: ~ 1.5 cm	50		
BIO-2.10	Glass Haemocytometer	- Cell depth: 0.100 mm. - Volume: 0.1 Microliter. - Ruling Pattern: Improved Neubauer, 1/400 Square mm. - Include 100 22x22 mm glass cover slips	05		
BIO-2.11	Glass rods	- Borosilicate glass stir rod - Rounded ends - Diameter: 6 mm - Length ~ 8"	20		
	Dropping bottle with graduated dropper	- Made out of glass - Joint ST/NS neck - Volume: 30 mL - Can be use dropper without removing stopper - Dropper with PP stopper and soft-vinyl bulb - Ground, tapered neck on bottle should fits stopper			
BIO-2.12		Clear glass			
BIO-2.13		Amber color			
BIO-2.15	Pasteur pipette rubber bulbs	- Made out of rubber - Capacity: 2 mL	20		

Lot No. 03: Biology Laboratory Glassware and Consumables					
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments

BIO-3.1	Dissecting FORCEPS- Straight fine sharp point tip	- Manufactured from AISI 304 grade stainless steel - Straight fine sharp point tip	20		
BIO-3.2	Dissecting FORCEPS- Curved inclined fine sharp point tip	- Manufactured from AISI 304 grade stainless steel - Curved inclined fine sharp point tip	10		
BIO-3.3	Dissecting SCISSORS	- Manufactured from AISI 304 grade stainless steel - Straight and fine sharp point tip	10		
BIO-3.4	SCALPEL BLADE	- Manufactured by highest grade stainless steel - Compatible with handle No. 10/11 - Individually packed - Sterilized	100		
BIO-3.5	SCALPEL HANDLE	- Manufactured from stainless steel - approximate length of 130 mm - Handle No. 10/11	20		
BIO-3.6	Petri dish canisters- for 10 cm dishes	- Stainless steel canisters supplied with a removable rack and stainless-steel lid - accommodate 10 Petri dishes with 10 cm *1.5 cm	10		
BIO-3.7	Petri dish canisters- for 8 cm dishes	- Stainless steel canisters supplied with a removable rack and stainless-steel - accommodate 10 Petri dishes with 8 cm* 1.5 cm	05		
	SPATULA S	Manufactured from AISI 304 grade stainless steel			
BIO-3.8		Macro spoon spatula: 180 mm in length	15		
BIO-3.9		Double end spatula: 180 mm in length	15		
BIO-3.10		Micro spoon spatula: 180 mm in length	15		
BIO-3.11		Round grooved spatula: 180 mm in length	15		
BIO-3.12	Inoculation loop	- Loop Material: Nichrome - Diameter: 3mm	10		

		• inoculation wire loop • Holder: • Length: 150mm			
BIO-3.13	Test tube holder/ Tong	• Made out of steel • Overall Length ~180mm • Maximum Opening ~100mm • Should be hold tubes up to 40mm Diameter	40		
BIO-3.14	Laboratory bench clamp 3-prong	• Made from thick stainless steel. • clamps with slip-on fiberglass finger covers • Able to catch upto 80 mm diameter objects. • Duly Nickel-plated finishing 3-prong construction • ~200mm long prong • Single or dual adjust • clamps can be rotated 360°	05		
BIO-3.15	Laboratory Condenser Clamp	• Made from stainless steel • Clamping Range: ~3 to 85 mm • Clamp Separation: ~100 mm • clamps with slip-on fiberglass finger covers/ rubber sheet • Absolutely no corrosion possible. • Good resistance to chemicals, salt solutions and most solvents. • ~200mm long chrome plated rod	05		
BIO-3.16	Retort Stand	• Base is made of steel with enamel finish • Removable rod made out of Zinc plated steel • Highly stable rectangular shape base • Base size 10mm*15mm • Highly resistant to chemicals and thermal effects • Height: ~ 500 mm	05		
BIO-3.17	clamp holder	• Made from stainless steel or Nickel plated steel • Jaw capacity 0-18mm • Corrosion resistant. • With a precise fit and powerful holding ability. • Clamps at a 90 degree angle	10		
BIO-3.18	Coated Wire Tube Rack	• Made out of epoxy coated steel or high density polyethylene (HDPE) Coated Wire Racks • Should hold 72/96 of 18mm tubes	04		

		• L*W*H ~ 250*150*70 mm • Resistant to Chemicals and heat • Should be Autoclavable • Can be used between -40 to 121 C • With mesh bottom support			
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Lot No. 04: Biology Laboratory Glassware and Consumables					
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
BIO-4.1	Boiling TUBE RACK	• Manufactured from Polypropylene • Length*Width*Height ~ 250*125*75 mm • With 5*11 arrays • not float in water baths	30		
BIO-4.2	Pasteur PIPETTES	• Manufactured from low density polyethylene. • Uniform wall thickness • Flexible pipette bulb and stem • Transparent • Embossed volume graduations on the body • Volume: 3 ml	100		
	Micropipette tips with box	Tips • Manufactured from high quality pure polypropylene • Highly resistant to chemicals and thermal effects • No deformation after autoclaving • DNase, RNase, Pyrogen free • Low retention: minimum retention and maximum accuracy allowing complete retrieval of solution • Uniformity in size and shape allows perfect fitting with almost all micropipettes • Sterile Boxes • Easy to open-close hinged lid • Boxes with internal rib structure • 0.5-10µl (White) • 20-200µl (Yellow)			

		• 100-1000µl (Blue)			
BIO-4.3	Volume: 0.5-10µl (White)	96 tips (clear/white tips) with box	30		
BIO-4.4	Volume: 20-200µl (Yellow)	96 tips (yellow tips) with box	30		
BIO-4.5	Volume: 100-1000µl (Blue)	96 tips (blue tips) with box	30		
BIO-4.6	PCR tube holder	• Manufactured from High density polypropylene • Autoclavable • Standard 96 Microwell format to hold 0.1 /0.2ml PCR tubes/strips • Alphanumerically marked for sample identification • Chemically resistant	5		
BIO-4.7	Eppendorf tube holder	• Made of polypropylene for high chemicals and physical resistant • Ensure dimensional stability across a broad temperature range (-20 to 4 °C) • Stackable • Consecutive numbering of rack positions	10		
	Pipette fillers	• Made out of polypropylene, plastic and silicon • Resistant to acid and alkalines • Safe and accurate pipetting with one-handed operation • Rotation of the thumb wheel to control filling or dispensing • Rapid emptying by pressing the plunger or the quick release bar			
BIO-4.8		• Green (up to 10ml)	05		
BIO-4.9		• Red (up to 25ml)	05		

Lot No. 05: Biology Laboratory Glassware and Consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
BIO-5.1	Parafilm roll	- Width: 100 mm - Length: 75 m	05		
BIO-5.2	Weighing boats/ Pour boat weighing dishes packs	- S,M,L in one pack (One pack should contain all 3 sizes) - Manufactured from impervious and transparent paper - Leaves no residue and impurity during and after weighing application	4 packs		
BIO-5.3	Cellulose thimble for soxhlet	- Made out of High-purity cellulose ~ 1.5mm wall thickness - Size: Diameter ~25mm, Height ~ 80mm	25		
BIO-5.4	Laboratory tubing	- Made out of Silicone and Rubber - Color: Translucent for visual inspection of fluids - Inner diameter 3mm, Outer diameter 5mm - Should be flexible - Temperature range: -30°C - 230°C	15 m		

Lot No. 06: Biology Laboratory Glassware and Consumables					
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
BIO-6.1	Round Bottom Flasks	- Made out of heat resistant Borosilicate glass - Volume: 500 mL - Highly resistant to chemicals and thermal effects - Autoclavable - Joint ST/NS 19/22	05		
BIO-6.2	Three-way adapter	- Made out of heat resistant Borosilicate glass - Highly resistant to chemicals and thermal effects - Autoclavable - Bottom joint: ST/NS 19/22 - Side joint: ST/NS 19/22	05		

		• Top joint: ST/NS 19/22			
BIO-6.3	Bent vacuum-distilling adapter	• Made out of heat resistant Borosilicate glass • Highly resistant to chemicals and thermal effects • Autoclavable • Joint ST/NS 19/22	05		
BIO-6.4	West Condensers	• Made out of heat resistant Borosilicate glass • Highly resistant to chemicals and thermal effects • Autoclavable • Joint ST/NS 19/22 • Overall Jacket length ~ 250 mm	05		
BIO-6.5	Joint Clips	• Made out of polyethylene • Rigid polyethylene joint clips fit standard taper joints • Standard Blue color (color doesn't matter) • Compatible with joint 19 • Should be withstands temperatures up to 120°C	30		
BIO-6.6	Thermometer Adapter	• Made out of heat resistant Borosilicate glass • Highly resistant to chemicals and thermal effects • Male Joint ST/NS 19/22 • With PTFE faced silicone washer and open-top cap • Cap Should be withstands temperatures up to 120°C • Open-top compression cap and O-ring form a vacuum seal for adjustable immersion thermometers or drains	05		
BIO-6.7	Graduated Dropping funnel with glass stopper	• Made out of heat resistant Borosilicate glass • Volume: 1000 mL • white graduation • Joint 29/32 • Stopcock bore 4mm	02		

Lot No. 07: Biology Laboratory Glassware and Consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
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	Nitril Gloves	• Material: Natural Rubber Latex • Colour: Blue • Design: Straight Fingers, Thumb and Fingers in one plane, Fits either hand (Ambidextrous) Rolled Rim. • Minimum 100 pieces per box • Provided as pairs			
BIO-7.1		Size: Large	03		
BIO-7.2		Size: Medium	03		
BIO-7.3		Size: Small	03		
BIO-7.4	Acid Trays	• Made out of chemical and heat resistant material • Lightweight and easy to handle • Size -Length ~ 50 cm ,width ~ 12cm, height ~ 12cm	10		

Lot No. 08 Biology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
BIO-8.1	Agar	Analytical reagent grade	1000 g		
BIO-8.2	Ampicillin	ACS / analytical reagent grade	5 g		
MBI-8.3	Crystal violet	ACS / analytical reagent grade	250 ml		
BIO - 8.4	Eosin methylene blue agar	ACS / analytical reagent grade	500 g		
BIO - 8.5	Gram's iodine	ACS / analytical reagent grade	250ml		

BIO - 8.6	Nile blue strain	ACS / analytical reagent grade	2.5 g		
BIO - 8.7	Nutrient agar	ACS / analytical reagent grade	2500 g		
BIO - 8.8	phenol: chloroform: isoamyl alcohol (25:24:1, v/v/v)	ACS / analytical reagent grade	2500 ml		
BIO - 8.9	Potato dextrose agar	ACS / analytical reagent grade	2500 g		
BIO - 8.10	Safranin	ACS / analytical reagent grade	250 mL		
BIO - 8.11	Potato dextrose broth	ACS / analytical reagent grade	1500 g		
BIO - 8.12	Nutrient Broth	ACS / analytical reagent grade	1500 g		
BIO - 8.13	Yeast Manitol Agar (YMA)	ACS / analytical reagent grade	1000g		
BIO - 8.14	Congo red	ACS / analytical reagent grade	250g		
BIO - 8.15	Lactose Broth	ACS / analytical reagent grade	1000g		
BIO - 8.16	Eosin Methylene Blue Agra (EMB-Agar)	ACS / analytical reagent grade	1000g		
BIO - 8.17	Acetone	ACS / analytical reagent grade / HPLC grade	1000 mL		

BIO - 8.18	Chloroform	ACS / analytical reagent grade / HPLC grade	2500 ml		
BIO - 8.19	Conc. hydrochloric acid	ACS / analytical reagent grade	1000 ml		
BIO - 8.20	Conc. sulfuric acid	ACS / analytical reagent grade	750 ml		
BIO - 8.21	Glacial acetic acid	ACS / analytical reagent grade	750 ml		
BIO - 8.22	Isoamyl alcohol	ACS / analytical reagent grade	1000 ml		
BIO - 8.23	Isopropanol	ACS / analytical reagent grade	2500 ml		
BIO - 8.24	Acetocarmine solution	Analytical reagent grade	125 mL		
BIO - 8.25	Ammonium hydroxide	ACS / analytical reagent grade	250 g		
BIO - 8.26	Ammonium oxalate	ACS / analytical reagent grade	250 g		
BIO - 8.27	Boric acid	analytical reagent grade	1000 g		
BIO - 8.28	Calcium Chloride	ACS / analytical reagent grade	250 g		
BIO - 8.29	Calcium acetate hydrate	ACS / analytical reagent grade	50 g		
BIO - 8.30	Calcium magnesium carbonate, CaMg(CO ₃)	Technical grade	250 g		

	2				
BIO - 8.31	Ethylenediaminetetraacetic acid (EDTA)	ACS / analytical reagent grade	250 g		
BIO - 8.32	Glycerol	ACS / analytical reagent grade	500 ml		
BIO - 8.33	Isopropyl β -D-1-thiogalactopyranoside (IPTG)	ACS / analytical reagent grade	2.5 g		
BIO - 8.34	Potassium hydroxide	ACS / analytical reagent grade	500 g		
BIO - 8.35	Sodium bicarbonate	ACS / analytical reagent grade	250 g		
BIO - 8.36	Sodium chloride	ACS / analytical reagent grade	1000 g		
BIO - 8.37	Sodium dodecyl sulfate (SDS)	ACS / analytical reagent grade	500 g		
BIO - 8.38	Sodium acetate trihydrate	ACS / analytical reagent grade	250 g		
BIO - 8.39	Sodium Carbonate Anhydrous	ACS / analytical reagent grade	500 g		
BIO - 8.40	Sodium hypochlorite .5H ₂ O	ACS / analytical reagent grade	250 g		
BIO - 8.41	Sodium Hydroxide	ACS / analytical reagent grade	500 g		

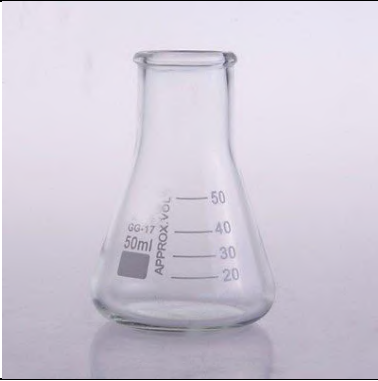
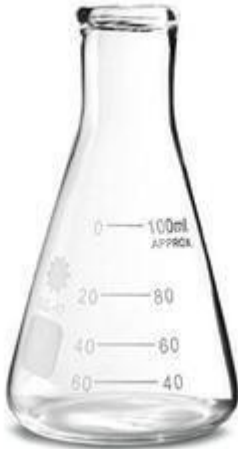
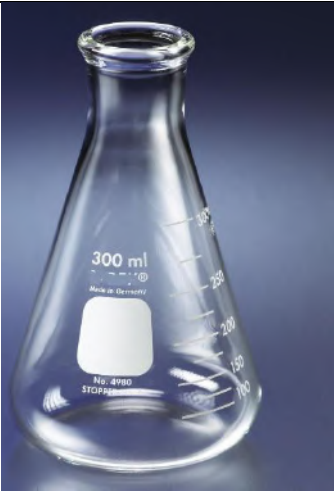
BIO - 8.42	Sodium phosphate dibasic (Na ₂ HPO ₄)	ACS / analytical reagent grade	250 g		
BIO - 8.43	Sodium phosphate monobasic (NaH ₂ PO ₄)	ACS / analytical reagent grade	250 g		
BIO - 3.44	Non- Carcinogenic DNA stain Dye Alternative for EtBr	Molecular Grade High sensitivity to bind with DNA Visible under UV light Non carcinogenic Minimal health risk	2500 µl		

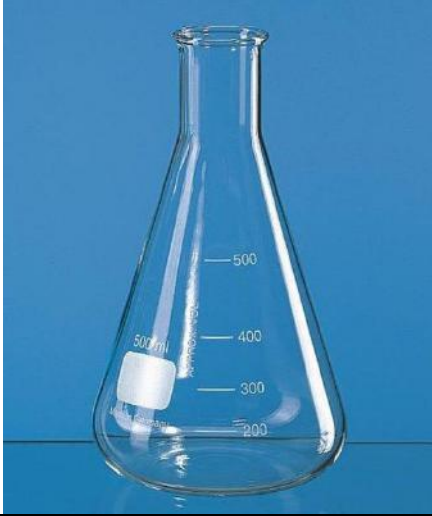
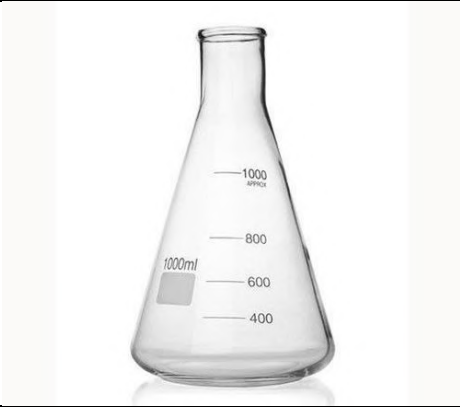
Drawings

Lot No.: 1	
Lot Name: Biology Laboratory glassware and consumables	
Item No.	Item

BIO-1.1	Glass BEAKERS – Volume: 25 ml
	
BIO-1.2	Glass BEAKERS - Volume: 50 ml
	
BIO-1.3	Glass BEAKERS - Volume: 100 ml
	
BIO-1.4	Glass BEAKERS - Volume: 250 ml

			
BIO-1.5	Glass BEAKERS - Volume: 500 ml		
			
BIO-1.6	Glass BEAKERS - Volume: 1000 ml		
			
BIO-1.7	Glass ERLENMEYER FLASKS – Volume: 50 ml		

			
BIO-1.8	Glass ERLENMEYER FLASKS – Volume: 100 ml		
			
BIO-1.9	Glass ERLENMEYER FLASKS – Volume: 250 ml		
			
BIO-1.10	Glass ERLENMEYER FLASKS – Volume: 500 ml		

			
BIO-1.11	Glass ERLENMEYER FLASKS – Volume: 1000 ml		
			
BIO-1.12	Glass BOTTLES – Volume: 100 ml		
			
BIO-1.13	Glass BOTTLES – Volume: 250 ml (Transparent)		

		
BIO-1.14	GLASS BOTTLES- Volume: 250 ml (Amber color)	
		
BIO-1.15	Glass BOTTLES – Volume: 500 ml	
		

BIO-1.16	Glass BOTTLES – Volume: 1000 ml	
		
BIO-1.17	Glass VOLUMETRIC FLASKS – Volume: 10 ml	
		
BIO-1.18	Glass VOLUMETRIC FLASKS – Volume: 25 ml	

		
BIO-1.19	Glass VOLUMETRIC FLASKS – Volume: 50 ml	
		
BIO-1.20	Glass VOLUMETRIC FLASKS – Volume: 100 ml	
		
BIO-1.21	Glass VOLUMETRIC FLASKS – Volume: 250 ml	

		
BIO-1.22	Glass VOLUMETRIC FLASKS – Volume: 500 ml	
		
BIO-1.23	Glass GRADUATED MEASURING CYLINDER – Volume: 10 ml	
		
BIO-1.24	Glass GRADUATED MEASURING CYLINDER – Volume: 50 ml	

		
BIO-1.25	Glass GRADUATED MEASURING CYLINDER – Volume: 100 ml	
		
BIO-1.26	Glass GRADUATED MEASURING CYLINDER – Volume: 500 ml	

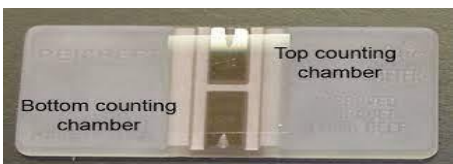
	
BIO-1.27	Glass GRADUATED MEASURING CYLINDER – Volume: 1000 ml
	
BIO-1.28	Glass GRADUATED SEPARATING FUNNEL – Volume: 50 ml
	
BIO-1.29	Glass GRADUATED SEPARATING FUNNEL – Volume: 250 ml

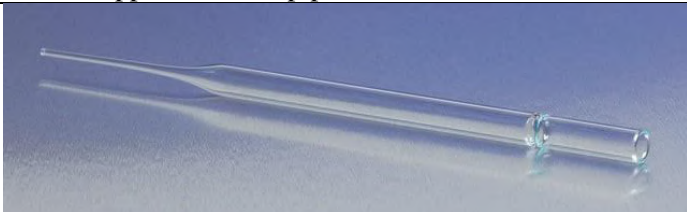
			

Lot No.: 02	
Lot Name: Biology Laboratory glassware and consumables	
Item No.	Item

BIO-2.1	McCartney Bottles
	
BIO-2.2	Watch Glasses: Diameter: ~ 40 mm
	
BIO-2.3	Watch Glasses: Diameter: ~ 70 mm

	
BIO-2.4	Watch Glasses: Diameter: ~ 100 mm
	
BIO-2.5	Glass Conical Funnel: Diameter: ~ 60 mm
	
BIO-2.6	Glass Conical Funnel: Diameter: ~ 80 mm
	

BIO-2.7	Test tubes
	
BIO-2.8	Petri dishes- Diameter 10 cm
	
BIO-2.9	Petri dishes- Diameter 8 cm
	
BIO-2.10	Glass haemocytometer
	

BIO-2.11	Glass rods
	
BIO-2.12	Dropping bottle with graduated dropper- Clear glass
	
BIO-2.13	Dropping bottle with graduated dropper- Amber color
	
BIO-2.14	Glass droppers/ Pasteur pipette
	

BIO-2.15	Pasteur pipette rubber bulbs
	

Lot No.: 03

Lot Name: Biology Laboratory glassware and consumables

Item No.	Item Name
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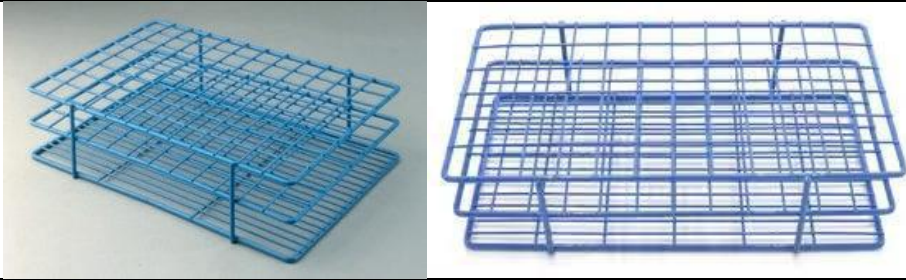
BIO-3.1	Dissecting FORCEPS- Straight fine sharp point tip
	
BIO-3.2	Dissecting FORCEPS- Curved inclined fine sharp point tip
	
BIO-3.3	Dissecting SCISSORS- Straight fine sharp point tip

	
BIO-3.4	SCALPEL BLADE
	
BIO-3.5	SCALPEL HANDLE
	
BIO-3.6	Petri dish canisters- for 10 cm dishes
	
BIO-3.7	Petri dish canisters- for 8 cm dishes

	
BIO-3.8	SPATULAS- Macro spoon spatula 180mm in length
	
BIO-3.9	SPATULAS- Double end spatula 180mm in length
	
BIO-3.10	SPATULAS- Micro spoon spatula 180mm in length

	
BIO-3.11	SPATULAS- Round grooved spatula 180mm in length
	
BIO-3.12	Inoculation loop
	
BIO-3.13	Test tube holder/ Tong
	

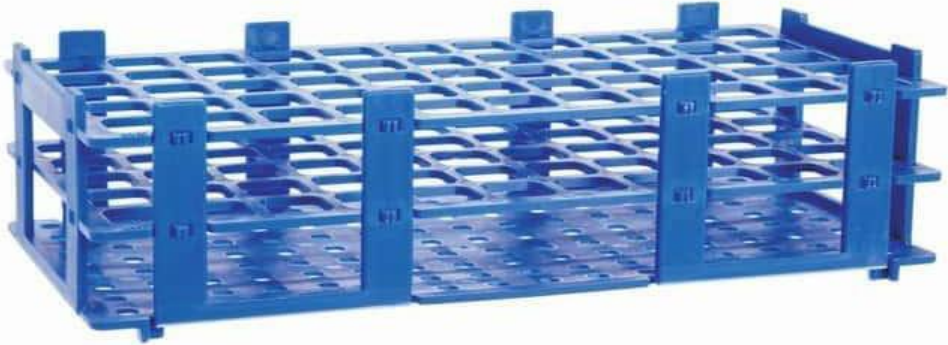
BIO-3.14	Laboratory benchclamp 3-prong
	
BIO-3.15	Laboratory Condenser Clamp
	
BIO-3.16	Retort Stand
	

BIO-3.17	clamp holder
	
BIO-3.18	Coated Wire Tube Rack
	

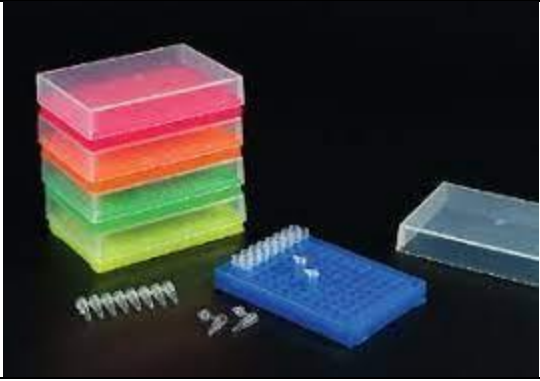
Lot No.: 04

Lot Name: Biology Laboratory glassware and consumables

Item No.	Item Name
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BIO-4.1	Boiling TUBE RACK
	
BIO-4.2	Pasteur PIPETTES

	
BIO-4.3	Micropipette tips with tip box -0.5-10 µl
	
BIO-4.4	Micropipette tips with tip box -20-200 µl
	
BIO-4.5	Micropipette tips with tip box -100-1000 µl
	

BIO-4.6	PCR tube holder
	
BIO-4.7	Eppendorf tube holder
	
BIO-4.8	Pipette fillers- Green (up to 10 ml)
	
BIO-4.9	Pipette fillers- Red (up to 25 ml)
	

BIO-4.10	WASH BOTTLES
	

Lot No.: 05

Lot Name: Biology Laboratory glassware and consumables

Item No.	Item Name
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BIO-5.1	Parafilm roll
	
BIO-5.2	WEIGHING Boats/ Pour boat weighing dishes packs
	
BIO-5.3	Cellulose thimble for soxhlet

		
BIO-5.4	Laboratory tubing	
		

Lot No.: 06

Lot Name: Biology Laboratory glassware and consumables

Item No.	Item Name
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BIO-6.1	Round Bottom Flasks
	
BIO-6.2	Three-way adapter

	
BIO-6.3	Bent vacuum-distilling adapter
	
BIO-6.4	West Condensers
	

BIO-6.5	Joint Clips
	
BIO-6.6	Thermometer Adapter
	
BIO-6.7	Graduated Dropping funnel with glass stopper
	

Lot No.: 7	
Lot Name: Biology Laboratory glassware and consumables	
Item No.	Item Name

BIO-7.1	Nitril Gloves: Size: Large
	
BIO-7.2	Nitril Gloves: Size: Medium
	
BIO-7.3	Nitril Gloves: Size: Small
	
BIO-7.4	Acid Trays
	

Lot 02 : Microbiology Lab equipment, chemicals, and consumables

Lot No. 18 Microbiology Laboratory Equipment

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-18.1	Automated bacterial Colony Counter	• Operation: Semi-automatic • Compatible petri dish: 30mm-100mm • Counting range: 0-999 • Magnification lens: Yes with 5 to 10 magnification power • Display: LED with three digits • Relative moisture: IP21 • Ambient temperature: 5 ~ 50 °C • Protective class: IP21 • Light: LED (white light) • Auto marker probe pen: Yes • Warranty: 2 yrs	Nos	02		

Lot No. 19 Microbiology Laboratory Equipment

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-19.1	Plate Reader (Microplate reader)	• Optical path: 8 channel vertical light path system • Wavelength range: 400- 900nm • Filter Default configuration: 405, 450, 492, 630nm, Can be installed up to 15 filters for connected computer. (10 filters for single machine) • Reading range: 0- 4.000Abs • Linear range: 0.000-3.000Abs	Nos	01		

		• Resolution: 0.001Abs (display, print), internal calculation 0.0001Abs • Accuracy: $\leq \pm 0.01$ Abs • Stability: $\leq \pm 0.003$ Abs • Repeatability: $CV \leq 0.2\%$ • Layout: Visual layout, support standard 96-well free layout • Vibration plate: Three kinds of linear vibration plate function , Adjustable 0- 255 seconds • Display: color LCD screen, display the entire board information, touch screen operation. • Sampling: Automatic opening/closing of the sampling compartment door, no need to open the cover manually • Software: Professional software, Can store 100 groups program, 100000 sample results, and More than 10 kinds of curve fitting equations. • Power input: AC220-240V 50-60Hz • Temperature control function: (room temperature $+4^{\circ}\text{C} \sim 50^{\circ}\text{C}$) $\pm 0.5^{\circ}\text{C}$ • Warranty: 02 years				
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Lot No. 20 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-20.1	Agar	Analytical reagent grade	g	5000 g		
MBI-20.2	Ampicillin	ACS / analytical reagent grade	g	10 g		
MBI-20.3	Crystal violet	ACS / analytical reagent grade	ml	500 ml		
MBI-20.4	Eosin methylene blue agar	ACS / analytical reagent grade	g	1000 g		

MBI-20.5	Folin & Ciocalteu's Phenol Reagent	ACS / analytical reagent grade	mL	100 mL		
MBI-20.6	Gram's iodine	ACS / analytical reagent grade	ml	500ml		
MBI-20.7	Guar gum	Technical grade	g	500 g		
MBI-20.8	Kanamycin	ACS / analytical reagent grade	g	10 g		
MBI-20.9	M9 Minimal Salts medium 5X powder	ACS / analytical reagent grade	g	2000 g		
MBI-20.10	Nile blue strain	ACS / analytical reagent grade	g	5 g		
MBI-20.11	Nutrient agar	ACS / analytical reagent grade	g	5000 g		
MBI-20.12	phenol: chloroform: isoamyl alcohol (25:24:1, v/v/v)	ACS / analytical reagent grade	ml	5000 ml		
MBI-20.13	Potato dextrose agar	ACS / analytical reagent grade	g	5000 g		
MBI-20.14	Skim milk agar	ACS / analytical reagent grade	g	2000 g		
MBI-20.15	Safranin	ACS / analytical reagent grade	ml	500 mL		
MBI-20.16	Starch (treated with glycerol at 190°C)	ACS / analytical reagent grade	g	25 g		
MBI-20.17	Sudan black B	ACS / analytical reagent grade	g	5 g		
MBI-20.18	Yeast extract	ACS / analytical reagent grade	g	1000 g		
MBI-20.19	Potato dextrose broth	ACS / analytical reagent grade	g	3000 g		
MBI-20.20	Nutrient Broth	ACS / analytical reagent grade	g	3000 g		

MBI-20.21	Yeast Mannitol Agar (YMA)	ACS / analytical reagent grade	g	2000g		
MBI-20.22	Congo red	ACS / analytical reagent grade	g	500g		
MBI-20.23	Lactose Broth	ACS / analytical reagent grade	g	2000g		
MBI-20.24	Eosin Methylene Blue Agar (EMB-Agar)	ACS / analytical reagent grade	g	2000g		

Lot No. 21 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-21.1	Acetone	ACS / analytical reagent grade / HPLC grade	mL	2000 mL		
MBI-21.2	Chloroform	ACS / analytical reagent grade / HPLC grade	ml	5000 ml		
MBI-21.3	Conc. hydrochloric acid	ACS / analytical reagent grade	ml	2000 ml		
MBI-21.4	Conc. sulfuric acid	ACS / analytical reagent grade	ml	1500 ml		
MBI-21.5	Glacial acetic acid	ACS / analytical reagent grade	ml	1500 ml		
MBI-21.6	Isoamyl alcohol	ACS / analytical reagent grade	ml	2000 ml		
MBI-21.7	Isopropanol	ACS / analytical reagent grade	ml	5000 ml		

Lot No. 22 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-22.1	Acetocarmine solution	analytical reagent grade	mL	250 mL		
MBI-22.2	Ammonium hydroxide	ACS / analytical reagent grade	g	500 g		
MBI-22.3	Ammonium oxalate	ACS / analytical reagent grade	g	500 g		
MBI-22.4	Boric acid	analytical reagent grade	g	2000 g		
MBI-22.5	Calcium Chloride	ACS / analytical reagent grade	g	500 g		
MBI-22.6	Calcium acetate hydrate	ACS / analytical reagent grade	g	100 g		
MBI-22.7	Calcium magnesium carbonate, CaMg(CO ₃) ₂	Technical grade	g	500 g		
MBI-22.8	Ethylenediaminetetraacetic acid (EDTA)	ACS / analytical reagent grade	g	500 g		
MBI-22.9	Glycerol	ACS / analytical reagent grade	ml	1000 ml		
MBI-22.10	Isopropyl β-D-1-thiogalactopyranoside (IPTG)	ACS / analytical reagent grade	g	5 g		
MBI-22.11	L-Tyrosine, Free Base	ACS / analytical reagent grade	g	100 g		
MBI-22.12	Lithium chloride	ACS / analytical reagent grade	g	500g		
MBI-22.13	4-Nitrophenyl dodecanoate	ACS / analytical reagent grade	g	1g		
MBI-22.14	Polyvinylpyrrolidone (PVP 40)	ACS / analytical reagent grade	g	500 g		

MBI-22.15	Phenyl acetate	ACS / analytical reagent grade	g	100 g		
MBI-22.16	Potassium hydroxide	ACS / analytical reagent grade	g	1000 g		
MBI-22.17	Sodium bicarbonate	ACS / analytical reagent grade	g	500 g		
MBI-22.18	Sodium chloride	ACS / analytical reagent grade	g	2000 g		
MBI-22.19	Sodium dodecyl sulfate (SDS)	ACS / analytical reagent grade	g	1000 g		
MBI-22.20	Sodium acetate trihydrate	ACS / analytical reagent grade	g	500 g		
MBI-22.21	Sodium Carbonate Anhydrous	ACS / analytical reagent grade	g	1000 g		
MBI-22.22	Sodium hypochlorite .5H ₂ O	ACS / analytical reagent grade	g	500 g		
MBI-22.23	Sodium Hydroxide	ACS / analytical reagent grade	g	1000 g		
MBI-22.24	Sodium phosphate dibasic (Na ₂ HPO ₄)	ACS / analytical reagent grade	g	500 g		
MBI-22.25	Sodium phosphate monobasic (NaH ₂ PO ₄)	ACS / analytical reagent grade	g	500 g		
MBI-22.26	Tris base	ACS / analytical reagent grade MW:121.14 g/mol	g	1000 g		
MBI-22.27	Trichloroacetic Acid	ACS / analytical reagent grade	mL	100 mL		
MBI-22.28	Tryptone	ACS / analytical reagent grade	g	500 g		
MBI-22.29	Non-Carcinogenic DNA stain Dye Alternative for EtBr	Molecular Grade High sensitivity to bind with DNA Visible under UV light Non carcinogenic Minimal health risk	μl	5000 μl		
MBI-22.30	DNA loading Dye	Molecular grade	μl	5000		

				μl		
MBI-22-31	Hexadecyl trimethyl ammonium bromide (CTAB)	Molecular grade	g	1000 g		
MBI-22-32	Polyvinylpyrrolidone (PVP)	MW:40000 g/mol Molecular grade	g	5000 g		
MBI-22-33	Boric Acid	Molecular grade MW: 61.83 g/mol	g	1000 g		
MBI-22-33	Streptomycin	ACS / analytical reagent grade	g	10g		
MBI-22-34	Tetracycline	ACS / analytical reagent grade	g	10g		
MBI-22-33	Kanamycin	ACS / analytical reagent grade	g	5g		
MBI-22-34	Chloramphenicol	ACS / analytical reagent grade	g	5g		
MBI-22-35	Nigrosin	ACS / analytical reagent grade	ml	250ml		

Lot No. 23 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-23.1	Ethanol (Absolute)	HPLC grade	ml	3000 ml		
MBI-23.2	Methanol (Absolute)	HPLC grade	ml	2000 ml		

Lot No. 24 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-24.1	Wash Bottle	Low density polyethylene Volume: ~500 ml	Nos.	05		
MBI-24.2	Gas Bunsen burner	Stainless steel, connector to gas supply	Nos.	05		
MBI-24.3	Inoculating loop with handle	Heat resistant stainless steel	Nos.	05		
MBI-24.4 MBI-24.5	laboratory scalpel	- Scalpel handle (No 10/11) - Scalpel blade (No 10/11) stainless steel	Nos. Nos.	10 100		
MBI-24.6	Forceps	- stainless steel - Manufactured from AISI 304 grade stainless steel Curved inclined fine sharp point tip	Nos.	05		
MBI-24.7	Spatula set	- Manufactured from AISI 304 grade stainless steel - Macro spoon spatula: 180 mm in length: Nos. 1/set - Double end spatula: 180 mm in length: Nos. 1/set - Micro spoon spatula: 180 mm in length: Nos. 1/set - Round grooved spatula: 180 mm in length: Nos. 1/set	Set	03		
MBI-24.8	Laboratory Scissor	stainless steel	Nos.	10		

Lot No. 25 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
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MBI-25.1	Vacuum flasks for bacterial sample transfer.	Volume: ~500 ml Double wall stainless steel vacuum flask (steel or Glass that preserve hot or cold)	No s.	05		
MBI-25.2	Water jet filter pump (Vacuum Aspirator Pump)	- Made of polypropylene - Non back flow - Integrated non-return valve increases safety - Easily dismantled for cleaning - Detachable vacuum connection - Variety of supplied adapters simplify connections to most water sources - Should supply with compatible adaptors to fix easily to different types of water taps - Should supply with compatible tubing and nozzles Autoclavable Pressure ~ 10 kg/cm ²	No s.	04		
MBI-25.3	Microtube racks	- Manufactured from polypropylene with high mechanical strength - Resistant to most acids, bases and solvents Accommodate 96 tubes	No s.	20		

Lot No. 26 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
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MBI-26.1	Micropipette tips with pipette tip box (1000 µl)	• 1000 µl, blue color tips • autoclavable • Sterile, DNase & RNase free • 96 blue tips per box • Easy to open-close hinged lid • Boxes with internal rib structure	Nos.	10 boxes (96*10=960 tips)		
MBI-26.2	Micropipette tips with pipette tip box (50-200 µl)	• 50-200 µl, Yellow color tips • autoclavable • Sterile, DNase & RNase free • 96 yellow tips per box • Easy to open-close hinged lid • Boxes with internal rib structure	Nos.	10 boxes (96*10=960 tips)		
MBI-26.3	Micropipette tips with pipette tip box (0.1-20 µl)	• 0.1-20 µl, white color tips • autoclavable • Sterile, DNase & RNase free • 96 white tips per box • Easy to open-close hinged lid • Boxes with internal rib structure	Nos.	10 boxes (96*10=960 tips)		
MBI-26.4	Micro centrifuge tubes	• safe-lock cap • Manufactured from ultra-clear polypropylene with safe lock caps that ensure smooth opening and closing with one hand • Autoclavable at 121°C without deformation • Sterile • Resistance to high centrifugal forces Volume: 2.0 ml	Nos.	5000		

MBI-26.5	polypropylene tubes with screw cap	• Manufactured from ultra-clear high-grade polypropylene • Autoclavable at 121°C for 20 minutes without deformation • Sterile • Graduations on side wall Volume: 50 ml	Nos.	500		
MBI-26.7	polypropylene tubes with screw cap	• Manufactured from ultra-clear high-grade polypropylene • Autoclavable at 121°C for 20 minutes without deformation • Sterile • Graduations on side wall Volume: 15 ml	Nos.	500		
MBI-26.8	Parafilm role	Colorless, Size: width: ~4 inches;	Nos.	30		

Lot No. 27 Microbiology Laboratory Chemicals and consumables

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-27.1	Syringe filter	• Diameter ~4 mm • sterile 0.22 µm pore size hydrophilic PVDF membrane.	Nos.	100		

MBI-27.2	Syringe PP/PE without needle	• luer lock tip, centered, • capacity 5 mL or 10 mL, • graduated, 0.2 mL, • sterile Easily fixable with syringe filters	Nos .	100		
MBI-27.3	Cell Culture Flasks with Vented Caps	• Material: polystyrene • uniform hydrophilic surface • vented cap that contains a 0.22 µm hydrophobic membrane to allow gas exchange • angled neck • sterile, and RNase/DNase free • Culture area 25cm²	Nos .	50		

Lot No. 28 Biochemistry and Bioprocessing Technology Chemicals						
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quant ity	Bidder 's Response (Yes/N o)	If "No" Bidder's Comment s
MBI-28.1	Alpha naphthol	ACS / Analytical reagent grade	g	250 g		
MBI-28.2	Amylase	ACS/Analytical reagent grade	g	10 g		
MBI-28.3	Anhydrous sodium citrate	ACS / analytical reagent grade	g	500 g		
MBI-28.4	Copper (II) acetate monohydrat e	ACS / analytical reagent grade	g	200 g		
MBI-28.5	Copper sulphate pentahydrat e	ACS / analytical reagent grade	g	1000 g		
MBI-28.6	Copper (II) sulphate	ACS / analytical reagent grade	g	250 g		
MBI-28.7	Ferric chloride	ACS / analytical reagent grade	g	500 g		
MBI-28.8	Lead nitrate	ACS / analytical reagent grade	g	100 g		

MBI-28.9	Mercury (II) chloride	ACS / analytical reagent grade	g	100 g		
MBI-28.10	Potassium bisulfate	ACS / analytical reagent grade	g	100 g		
MBI-28.11	Potassium ferrocyanide	ACS / analytical reagent grade	g	100 g		
MBI-28.12	Potassium iodide	ACS / analytical reagent grade	g	100 g		
MBI-28.13	Potassium permanganate	ACS / analytical reagent grade	g	100 g		
MBI-28.14	Potassium Sodium Tartrate	ACS / analytical reagent grade	g	500 g		
MBI-28.15	Potassium thiocyanate	ACS / analytical reagent grade	g	500 g		

Lot No. 29 Biochemistry and Bioprocessing Technology Chemicals

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-29.1	Beef extract	ACS / analytical reagent grade	g	1000 g		
MBI-29.1	Bovine serum albumin	ACS / analytical reagent grade	g	100 g		
MBI-29.2	Cholesterol	ACS / analytical reagent grade	g	100 g		
MBI-29.3	Corn starch	Laboratory grade	g	1000 g		

MBI-29.4	D-(+)-Glucose	ACS / analytical reagent grade	g	1000 g		
MBI-29.5	D-Ribose	ACS / analytical reagent grade	g	50 g		
MBI-29.6	Gelatin	ACS / analytical reagent grade	g	500 g		
MBI-29.7	Glycogen	ACS / analytical reagent grade	g	500 g		
MBI-29.8	Glycine	ACS / analytical reagent grade	g	50 g		
MBI-29.9	Iodine, crystalline	ACS / analytical reagent grade	g	500 g		
MBI-29.10	Lactose	ACS / analytical reagent grade	g	1000 g		
MBI-29.11	Nile blue A	ACS / analytical reagent grade	g	25 g		
MBI-29.1	Orcinol	ACS / analytical reagent grade	g	5 g		
MBI-29.13	Phenol red	ACS / analytical reagent grade	g	5 g		
MBI-29.14	Peptone	ACS / analytical reagent grade	g	500 g		
MBI-29.15	Resorcinol	ACS / analytical reagent grade	g	100 g		

Lot No. 30 Biochemistry and Bioprocessing Technology Chemicals						
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-30.1	Benedicts Solution	ACS / analytical reagent grade	ml	1000 ml		
MBI-30.2	Benzene	ACS / analytical reagent grade	ml	500 ml		
MBI-30.3	Bromine water	ACS / analytical reagent grade	ml	200 ml		
MBI-30.4	Conc. nitric acid	ACS / analytical reagent grade	ml	500 ml		
MBI-30.5	Ninhydrin	ACS / analytical reagent grade	ml	20 ml		

Lot No. 31 Biochemistry and Bioprocessing Technology Chemicals

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-31.1	Starch	ACS / analytical reagent grade	g	500 g		
MBI-31.2	Sucrose	ACS / analytical reagent grade	g	200 g		
MBI-31.3	Sudan IV	ACS / analytical reagent grade	g	25 g		
MBI-31.4	Sudan Black B	ACS / analytical reagent grade	g	25 g		
MBI-31.5	Tyrosine	ACS / analytical reagent grade	g	10 g		
MBI-31.6	Yeast extract	ACS / analytical reagent grade	g	1000 g		

Lot No. 32 Biochemistry and Bioprocessing Technology Chemicals						
Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards	Unit	Quantity	Bidder's Response (Yes/No)	If "No" Bidder's Comments
MBI-32.1	pH reference buffers (pH 4,7 and 10)	ACS / analytical reagent grade	ml	500 ml each		
MBI-32.2	pHydrion Paper/ pH paper	Suitable for measuring pH	Roll	3		

4. Indicative Images

Lot No.: 18	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
MBI-18.1	Automated bacterial Colony Counter

Lot No.: 18	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	

Lot No.: 19	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
MBI-19.1	Plate Reader (Microplate reader)

Lot No.: 19	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	

Lot No.: 24	
Lot Name: Microbiology Laboratory Chemicals and consumables	
Item No.	Item
MBI-24.1	Wash Bottle

Lot No.: 24	
Lot Name: Microbiology Laboratory Chemicals and consumables	
Item No.	Item
	
MBI-24.2	Gas Bunsen burner

Lot No.: 24	
Lot Name: Microbiology Laboratory Chemicals and consumables	
Item No.	Item
	
MBI-24.3	Inoculating loop with handle
	
MBI-24.4 MBI-24.5	laboratory scalpel

Lot No.: 24	
Lot Name: Microbiology Laboratory Chemicals and consumables	
Item No.	Item
	
MBI-24.6	Forceps
	
MBI-24.7	Spatula set

Lot No.: 24	
Lot Name: Microbiology Laboratory Chemicals and consumables	
Item No.	Item
	
MBI-24.8	Laboratory Scissor
	

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
MBI-25.1	Vacuum flasks for bacterial sample transfer.
	
MBI-25.2	Water jet filter pump (Vacuum Aspirator Pump)

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	
MBI-25.3	Microtube racks

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	
MBI-26.1	Micropipette tips with pipette tip box (1000 µl)
	

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
MBI-26.2	Micropipette tips with pipette tip box (50-200 µl)
	
MBI-26.3	Micropipette tips with pipette tip box (0.1-20 µl)

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	
MBI-26.4	Micro centrifuge tubes
	
MBI-26.5	polypropylene tubes with screw cap

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	
MBI-26.7	polypropylene tubes with screw cap
	
MBI-26.8	Parafilm role

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	
MBI-27.1	Syringe filter
	
MBI-27.2	Syringe PP/PE without needle

Lot No.: 25 Microbiology Laboratory Chemicals and consumables	
Lot Name: Microbiology Laboratory Equipment	
Item No.	Item
	
MBI-27.3	Cell Culture Flasks with Vented Caps
	

SPECIAL REQUIREMENTS

Please consider if applicable

- 1.1 Supply and Installation of Laboratory Workbenches, Storage units, wall-mounted units, worktops and other supporting structures/hardware's based on the specified Make List. This includes delivery to the building, loading & unloading the consignment, set in place, level, and scribe to walls and floors as required. Furnish and install all filler panels, knee space panels and scribes as shown on drawings.
- 1.2 Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings identified on drawings as mounted on the laboratory furniture.
- 1.3 Supply & Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings.
- 1.4 Supply & Installation of all laboratory sinks, bottle traps, drain troughs etc.
- 1.5 Design, Delivery, Installation and Commissioning should be carried out by supplier. Offered design should minimize major alternations in the existing buildings. Foreign suppliers should provide their local agents Name, Address and Engineering capabilities.
- 1.6 All the units should carry at least five (05) year warranty. Maintenance should be free of charge for the first year.
- 1.7 Removal of debris, dirt and rubbish accumulated as a result of installation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.
- 1.8 It is the intent of this specification to use specified make list as the standard of construction for laboratory furniture. The construction standards of this product line shall provide the basis for quality and functional installation.
- 1.9 Participants in the quotation process have to clarify any deviation to the specified design, construction or materials.
- 1.10 The laboratory furniture manufacturer shall provide work tops and casework all manufactured & shipped with proper packing & should take the full responsibility of the entire Scope of Works as specified in the tender. The supplier should also replace the damaged parts either during transit or installation.
- 1.11 All maintenance, repairs should be carried out by the suppliers. In the event of foreign manufacturer, local representative should have worked with the manufacturer for at least three years. Their local installations details should be provided with the offer.
- 1.12 All the units should carry at least five (05) year warranty. Maintenance should be free of charge for the first year.

- 1.13 Maintenance agreement or extended warranty should be available after the warranty period. All service and repair facilities should be available locally at easy reach.

Offer must include

- 1.14 All items requested in the schedule (laboratory Tables, benches, cupboards, racks, Eyewash, Emergency Shower with eyewash, Lab stools, Gas, Electrical & water services etc.)
- 1.15 Service supplies such as water & waste water lines with appropriate valves, electrical wiring system, and ventilation – some of the above services are available up to the laboratory and suppliers need to make connections to laboratory furniture utilities. Other services need to be proposed new.
- 1.16 Electrical wiring with casing from the main distribution board in the laboratory to the power sockets of the teacher table, student work tables & wall benches to suit the power requirements of the laboratory including appropriate safety protection.
- 1.17 Laboratory LP Gas supply system should be provided with manifolds, regulators, valves, pipes and appropriate safety system. Two (02) Nos. of 37.5kg LP Gas cylinders shall be provided.
- 1.18 Bidders are required to fulfill the following requirements:
Floor plans are attached for reference with relevant details.
Suppliers are requested to provide their designs as per utility requirements specified in “Schedule of requirements”.
Proposed layout plan shall be provided with the design provided.
3D isometric views of same shall be provided.
- 1.19 Service lines and control taps should be according to the international laboratory colour codes.

Delivery and Completion Schedule

The delivery period shall start as of _____.

Item No.	Description of Goods or Related Services	Delivery Schedule (Duration)	Location	Required Arrival Date of Goods or Completion Date for Related Services
	As per attached schedule	CAD drawings Within four weeks of Contract, final installation within fifteen weeks of Contract	Faculty of Technology, The Sabaragamuwa University of Sri Lanka, P.O. Box 2, Belihuloya 70140, Sri Lanka	<i>One month from the date of agreement</i>

Section 7: General Conditions of Contract

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1. Definitions

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

- (a) "Contract" means the Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendixes, and all documents incorporated by reference therein.
- (b) "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.
- (c) "Contract Price" means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (d) "Day" means calendar day.
- (e) "Delivery" means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- (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) "Eligible Countries" means the countries and territories eligible as listed in Section 5.
- (h) "GCC" means the General Conditions of Contract.
- (i) "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.
- (j) "Purchaser's Country" is the country specified in the Special Conditions of Contract (SCC).
- (k) "Purchaser" means the entity purchasing the Goods and Related Services, as specified in the SCC.
- (l) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar obligations of the Supplier under the Contract.
- (m) "SCC" means the Special Conditions of Contract.
- (n) "Subcontractor" means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (o) "Supplier" means the natural 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 Agreement, and includes the legal successors or permitted assigns of the Supplier.

(p) "ADB" is the Asian Development Bank.

(q) "The 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 Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Fraud and Corruption

3.1 If the Purchaser determines, based on reasonable evidence, that the Supplier has engaged in corrupt, fraudulent, collusive or coercive practices, or other integrity violations, including the failure to disclose any required information which constitutes a fraudulent practice, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days' notice to the Supplier, terminate the Contract and expel him from the Site, and the provisions of Clause 35 shall apply as if such termination had been made under Sub-Clause 35.1(a) (iii) [Termination].

3.2 ADB requires Borrowers (including beneficiaries of ADB-financed activity) and their personnel, as well as firms and individuals participating in an ADB-financed activity, including but not limited to, Bidders, Suppliers, and Contractors, agents, subcontractors, subconsultants, service providers, subsuppliers, manufacturers (including their respective officers, directors, employees and personnel) under ADB-financed contracts to observe the highest standard of ethics during the procurement and execution of such contracts in accordance with ADB's Anticorruption Policy (1998, as amended from time to time). In pursuance of this policy, ADB

(a) defines, for the purposes of this provision, the terms set forth below as follows:

- (i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- (ii) "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (iii) "coercive practice" means 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;
- (iv) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;
- (v) "abuse" means theft, waste, or improper use of assets related to ADB-related activity, either committed intentionally or through reckless disregard;

- (vi) "conflict of interest" means any situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations; and
 - (vii) "integrity violation" is any act, as defined under ADB's Integrity Principles and Guidelines (2015, as amended from time to time), which violates ADB's Anticorruption Policy, including (i) to (vi) above and the following: obstructive practice, violations of ADB sanctions, retaliation against whistleblowers or witnesses, and other violations of ADB's Anticorruption Policy, including failure to adhere to the highest ethical standard.
- (b) will reject a proposal for award if it determines that the Bidder recommended for award or any of its officers, directors, employees, personnel, subconsultants, subcontractors, service providers, suppliers or manufacturers has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract;
 - (c) will cancel the portion of the financing allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of ADB-financing engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to ADB to remedy the situation, including by failing to inform ADB in a timely manner at the time they knew of the integrity violations;
 - (d) will impose remedial actions on a firm or an individual, at any time, in accordance with ADB's Anticorruption Policy and Integrity Principles and Guidelines, including declaring ineligible, either indefinitely or for a stated period of time, to participate¹ in ADB-financed, -administered, or -supported activities or to benefit from an ADB-financed, -administered, or -supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations; and
 - (e) will have the right to require that a provision be included in bidding documents and in contracts financed, administered, or supported by ADB, requiring Bidders, suppliers and contractors, consultants, manufacturers, service providers and other third parties engaged or involved in ADB-related activities, and their respective officers, directors, employees and personnel, to permit ADB or its representative to inspect the site and their assets, accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed

¹ Whether as a Contractor, Subcontractor, Consultant, Manufacturer or Supplier, or Service Provider; or in any other capacity (different names are used depending on the particular Bidding Document).

by ADB.

- 3.3 All Bidders, consultants, contractors, suppliers, manufacturers, service providers, and other third parties engaged or involved in ADB-related activities and their respective officers, directors, employees and personnel, are obliged to cooperate fully in any investigation when requested by ADB to do so. As determined on a case by case basis by ADB, such cooperation includes, but is not limited to, the following:
- (a) being available to be interviewed and replying fully and truthfully to all questions asked;
 - (b) providing ADB with any items requested that are within the party's control including, but not limited to, documents and other physical objects;
 - (c) upon written request by ADB, authorizing other related entities to release directly to ADB such information that is specifically and materially related, directly or indirectly, to the said entities or issues which are the subject of the investigation;
 - (d) cooperating with all reasonable requests to search or physically inspect their person and/or work areas, including files, electronic databases, and personal property used on ADB activities, or that utilizes ADB's Information and Communication Technology (ICT) resources or systems (including mobile phones, personal electronic devices, and electronic storage devices such as external disk drives);
 - (e) cooperating in any testing requested by ADB, including but not limited to, fingerprint identification, handwriting analysis, and physical examination and analysis; and
 - (f) preserving and protecting confidentiality of all information discussed with, and as required by, ADB.
- 3.4 All Bidders, consultants, contractors and suppliers shall require their officers, directors, employees, personnel, agents to ensure that, in its contracts with its subconsultants, Subcontractors and other third parties engaged or involved in ADB-related activities, such subconsultants, Subcontractors and other third parties similarly are obliged to cooperate fully in any investigation when requested by ADB to do so.
- 3.5 The Supplier shall permit ADB or its representative to inspect the Supplier's site, assets, accounts and records and other documents relating to the bid submission and contract performance of the Supplier and to have them audited by auditors appointed by ADB, if so required by ADB.
- 3.6 The Supplier undertakes that no fees, gratuities, rebates, gifts, commissions or other payments, other than those shown in the bid, have been given or received in connection with the procurement

process or in the contract execution.²

4. Interpretation

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

4.2 Incoterms

- (a) The meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.
- (b) EXW, CIF, 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 at the date of the Invitation for Bids or as specified in the SCC.

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 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 Subclause 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

² The undertaking also applies during the period of performance of the contract.

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 the SCC, 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.

6. Joint Venture

- 6.1 If the Supplier is a Joint Venture 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. The composition or the constitution of the Joint Venture 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 ADB shall have their origin in Eligible Countries. For the purpose of this clause, "country of 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 imported 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.

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 the parties fail to resolve such a dispute or difference by mutual consultation within 28 days from the commencement of such consultation, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the SCC.

11. Scope of Supply

- 11.1 Subject to the SCC, the Goods and Related Services to be supplied shall be as specified in Section 6 (Schedule of Supply).
- 11.2 Unless otherwise stipulated in the Contract, the Scope of Supply

shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods and Related Services as if such items were expressly mentioned in the Contract.

12. Delivery

12.1 Subject to GCC Subclause 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 Section 6 (Schedule of Supply). The details of shipping and other documents to be furnished by the Supplier are specified in the SCC.

13. Supplier's Responsibilities

13.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.

14. Purchaser's Responsibilities

14.1 Whenever the supply of Goods and Related Services requires that the Supplier obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.

14.2 The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with GCC Subclause 14.1.

15. Contract Price

15.1 The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to the Contract.

15.2 Prices charged by the Supplier for the Goods delivered 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 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 12 and upon fulfillment of all the obligations stipulated in the Contract.

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

16.4 The currency or currencies in which payments shall be made to the Supplier under this Contract shall be specified in the SCC.

17. Taxes and

17.1 For goods supplied from outside the Purchaser's country, the Supplier shall be entirely responsible for all taxes, stamp duties,

Duties	license fees, and other such levies imposed outside the Purchaser's country.
	17.2 For goods supplied from 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 The Supplier shall, within 28 days of the notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies 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 The Performance Security shall be denominated in the currencies of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the SCC, or in another form acceptable to the Purchaser.
	18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than 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 design, procurement, or other work and services required for the performance of the Contract.

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

- (a) the Purchaser or Supplier needs to share with ADB 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. Subcontracting shall in no event 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 Supplier shall ensure that the Goods and Related Services comply with the technical specifications and other provisions of the Contract.
- (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) The Goods and Related Services supplied under this Contract shall conform to the standards mentioned in Section 6 (Schedule of Supply) and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the

Goods.

- 22.2 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 Section 6 (Schedule of Supply). 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 final destination of the Goods 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

- 25.1 Unless otherwise specified in the SCC, obligations for transportation of the Goods shall be in accordance with the Incoterms specified in Section 6 (Schedule of Supply).

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 Section 6 (Schedule of Supply).

- 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 final destination of the Goods, or in another place in the Purchaser's country as specified in the SCC. Subject to GCC Subclause 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 Subclause 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 Subclause 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 Subclause 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 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 Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the 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 Subclause 22.1, 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 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 18 months after the date of shipment or 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 Subclause 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 Subclause 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 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 gross negligence or willful misconduct,
- (a) neither party shall be liable to the other party 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 amount specified in the SCC, 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 the Invitation for Bids, 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 and 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 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.

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 12, 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 27, unless an extension of time is agreed upon, pursuant to GCC Subclause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by 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; or
 - (ii) if the Supplier fails to perform any other obligation under the Contract.
 - (iii) if the Supplier, in the judgment of the Purchaser has engaged in integrity violations, as defined in GCC Clause 3, 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

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 28 days after the Supplier's receipt of the 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. Respectful Work Environment

37.1 The Contractor shall ensure that its employees and Subcontractors observe the highest ethical standards and refrain from any form of bullying, discrimination, misconduct and harassment, including sexual harassment and shall, at all times, behave in a manner that creates an environment free of unethical behavior, bullying, misconduct and harassment, including sexual harassment. The Contractor shall take appropriate action against any employees or Subcontractors, including suspension or termination of employment or sub-contract, if any form of unethical or inappropriate behavior is identified.

37.2 The Contractor shall conduct training programs for its employees and Subcontractors to raise awareness on and prevent any form of bullying, discrimination, misconduct, and harassment including sexual harassment, and to promote a respectful work environment. The Contractor shall keep an up to date record of its employees and subcontractors who have attended and completed such training programs and provide such records to the Purchaser at their first written request.

Section 8: Special Conditions of Contract

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

GCC 1.1(j)	The Purchaser's country is: Democratic Socialist Republic of Sri Lanka
GCC 1.1(k)	The Purchaser is: Sabaragamuwa University of Sri Lanka
GCC 1.1 (q)	The Site is: Faculty of Technology, Sabaragamuwa University of Sri Lanka, Belihuloya, 70140, Sri Lanka.
GCC 4.2 (b)	The version of Incoterms shall be: Incoterms 2010
GCC 5.1	The language shall be: English The language for translation of supporting documents and printed literature is: English
GCC 8.1	For <u>notices</u> , the Purchaser's address shall be: Attention: Ms.N.P.Wijendre Senior Procurement Officer Project Implementation Unit STHRD Project Street address: Belihuloya Floor/ Room number: Faculty of Technology, Sabaragamuwa University of Sri Lanka City: Belihuloya ZIP code: 70140 Country: Sri Lanka Telephone: 045-2280081 Fax: 045-2280081 E-mail: sposb-sthrd@mohe.gov.lk
GCC 9.1	The governing law shall be: The laws applicable in Democratic Socialist Republic of Sri Lanka
GCC 10.2	The formal mechanism for the resolution of disputes shall be: according to the United Nations Commission on International Trade Law (UNCITRAL)

	<u>For a contract with a Foreign Supplier:</u> In the case of a dispute between the Purchaser and the Supplier, the dispute shall be settled by international arbitration conducted in accordance with the arbitration Rules of Singapore International Arbitration Centre. Place of arbitration: Singapore International Arbitration Centre No. 32, Maxwell Road, #02-01, Maxwell Chambers, Singapore 069115 <u>For a contract with a Local Supplier:</u> In the case of a dispute between the Purchaser and the Supplier, the dispute shall be settled by arbitration in accordance with the provisions of the local arbitration Procedures in the Purchaser's country. Place of arbitration: Development of Commercial Law and Practice, ICLP Arbitration Centre, 53/1, Ananda Coomaraswamy Mawatha, Colombo 00700, Sri Lanka
GCC 11.1	The Scope of Supply shall be defined in: Schedule 6 (Schedule of Supply)
GCC 12.1	Details of shipping and documents to be furnished by the Supplier shall be: one original and one copy of the Supplier's invoice showing the contract Item no., full description of the goods, Code/Model no., quantity, unit and total prices, country of origin and the Harmonized Commodity Description and Coding Systems (HS) code <u>on item by item basis</u>. The full contact details of the Supplier, Purchaser and Consignee, shipping details, total number of packing cases with total volume and nett weight and method of payment must also be shown. one original and one copy of the Supplier's master packing list showing the contract Item no., full description of the goods, Code/Model no., quantity, country of origin and the Harmonized Commodity Description and Coding Systems (HS) code <u>on item by item basis</u>. The full contact details of the Supplier, Purchaser and Consignee, shipping details, total number of packing cases with total volume and nett weight must also be shown. one original and one copy of individual packing list <u>for each case</u> (showing the same information as the master packing list) and the individual case nett and gross weight and dimensions. The case number in the form 1 /X to X/X must also be included - Certificate of Origin on items by item basis issued by a Chamber of Commerce (or other duly authorized government agency located) in the Supplier's country.

	- Manufactures and/or suppliers warranty certificates for items where this required in Section 6 - Schedule of Supply. - Nominated agency and/or factory inspection report for items where this required in Section 6 - Schedule of Supply.
GCC 15.2	The price adjustment shall be: N/A
GCC 16.1	Payment of the Contract Price shall be made in the following manner: For Goods and Contracted Services supplied from outside the Purchaser's country Payment shall be made in currencies mentioned in the Letter of Award within (28) days of presentation of claim supported by a written confirmation from the Purchaser declaring that the Goods have been delivered as per the conditions described in Section 6 and that all other contracted services have been performed. (a) On Acceptance: 90% of the Contract Price of Goods received shall be paid within 28 days of receipt of the Goods upon submission of a claim supported by acceptance certificate issued by the purchaser. (b) Balance 10% of the Contract Price of Goods received shall be paid after the defect liability period of the Goods upon submission of a claim supported by quality and condition certificate issued by the end user. (c) Payments will be made by SWIFT transfer. For Goods and Contracted Services supplied from within the Purchaser's country:
GCC 16.4	The currencies for payments shall be: Payments shall be made in accordance with the price with currencies quoted in Form of Quotation. Payments shall be made in accordance with the prices with currencies quoted in the Letter of Bid. If the Bidder quoted in Foreign Currency acceptable to the Purchaser but does not have a US \$ account to receive, the equivalent amount in LKR shall be paid according to the exchange rate (selling) published by the Central Bank of Sri Lanka on the date the payment occurs.

CC 18.1	The Supplier shall provide a Performance Security of 10 percent of the Contract Price. The Performance Security shall be denominated in the following amounts and currencies: The value of 10% of the Contract amount in the currency mentioned in the Contract awarding letter, which shall be in proportion to the amounts and currencies of the contract price and valid for 6 months from the expected delivery completion.
GCC 18.3	The forms of acceptable Performance Security are: Section 9-5 Performance Security Form included in the Bidding Document Note that the Performance Security must be issued from a commercial bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka
GCC 18.4	Discharge of the Performance Security shall take place: Pursuant to Clause GCC 18.4, after delivery, installation and acceptance of the goods. the performance security shall be reduced up to 5% of the Contract price to cover the Supplier's warranty obligations in accordance with GCC Clause 28.3 After completion of Warranty period and rectifying the defects or substituted by new goods successfully, the Performance security will be released.
GCC 23.2	The packing, marking, and documentation within and outside the packages shall be: Within each case: As described in SCC 12.1 - Individual packing list for each case Outside each case: Clearly stenciled in indelible water proof ink Dean's Office, Faculty of Technology, Sabaragamuwa University of Sri Lanka, Belihuloya 70140, Sri Lanka Contract No. MOE/<u>STHRD</u>/SB/E29B No. MOE/<u>STHRD</u>/SB/E29B As described in SCC 12.1 - Case nett and gross weight and dimensions. - Case number in the form 1 /X to X/X

GCC 24.1	The insurance coverage shall be in accordance with: Pursuant to GCC, Sub clause 24.1, the supplier must insure the Goods in an amount equal to 110% of the CIF, CIP or EXW price of the Goods from Warehouse to Warehouse on All Risks basis, including War Risks and Strikes.
GCC 25.1	Obligations for transportation of the Goods shall be in accordance with: INCOTERMS 2010
GCC 26.2	Tests and Inspections specified in Section 6(Schedule of Supply), shall be carried out at the following times or milestones, and places: Goods: As specified in Section 6 (Schedule of Supply) Type of Test: Bidder must provide the certificate(s) obtained from National level certification body accepted by the client. Time or Milestone: Inspection will be at i. After delivery ii. After installation Place: Department of Engineering Technology, Faculty of Technology, Sabaragamuwa University of Sri Lanka Address: Belihuloya Country: Sri Lanka
GCC 27.1	The applicable rate for liquidated damages for delay shall be: 0.5 % per week or part thereof The maximum amount of liquidated damages shall be: 10 % of the contract value.
GCC 28.3	The period of validity of the Warranty shall be: As per mentioned in Section 6 Compliance to the specifications from acceptance for all lots The place of final destination shall be: Place, Faculty of Technology, Sabaragamuwa University of Sri Lanka Address: Belihuloya. 70140 Country: Sri Lanka
GCC 28.5	The Supplier shall correct any defects covered by the Warranty within 14 days of being notified by the Purchaser of the occurrence of such defects.
GCC 30.1 (b)	The amount of aggregate liability shall be: 100% of the Contract Price

Section 9: Contract Forms

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Notice of Intention for Award of Contract

[on letterhead paper of the Purchaser]

[date of notification]

To: [name of the Bidder]
 Attention: [insert name of the Bidder's authorized representative]
 Address: [insert address of the Bidder's authorized representative]
 Telephone/Fax numbers: [insert telephone/fax numbers of the Bidder's authorized representative]
 E-mail Address: [insert e-mail address of the Bidder's authorized representative]

This is to notify you of our intention to award the contract [insert name of the contract and identification number, as given in the Bid Data Sheet]. You have [insert number of days as specified in ITB 40.1 of the BDS] days from the date of this notification to (i) request for a debriefing in relation to the evaluation of your Bid; and/or (ii) submit a bidding-related complaint in relation to the intention for award of contract, in accordance with the procedures specified in ITB 46.1.

The summary of the evaluation are as follows:

1. List of Bidders

Name of Bidder	Bid Price as Read Out at Opening	Evaluated Bid Price

2. Reason/s Why Your Bid Was Unsuccessful

.....

3. The Successful Bidder

Name of Bidder:	
Address:	
Contract Price:	
Duration of Contract:	
Scope of the Contract Awarded:	
Amount Performance Security Required:	

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Notification of Award

[on letterhead of the Purchaser]

Letter of Acceptance

[date]

To: [name and address of the supplier]

Subject: Contract No. [please specify]

This is to notify you that your Bid dated [date] for execution of the [name of the contract and identification number, as given in the Bid Data Sheet] for the Accepted Contract Amount of the equivalent of [amount in words and figures 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 the Performance Security within 28 days in accordance with the Conditions of Contract and any additional security required as a result of the evaluation of your bid, using for that purpose the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made on the *[insert date]* day of *[insert month]*, *[insert year]*, between *[insert complete name of the purchaser]* of *[insert complete address of the Purchaser]* (hereinafter “the Purchaser”), of the one part, and *[insert complete name of the supplier]* of *[insert complete address of the supplier]* (hereinafter “the Supplier”), of the other part:

WHEREAS the Purchaser invited Bids for certain Goods and Related Services, viz., *[insert brief description of the goods and related services]* and has accepted a Bid by the Supplier for the supply of those Goods and Related Services in the sum of *[insert currency or currencies and amount of contract price in words and figures]* (hereinafter “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) Letter of Acceptance;
 - (b) Bid Submission Sheet and the Price Schedules submitted by the Supplier;
 - (c) Addenda Nos. *[insert addenda numbers if any]*¹
 - (d) Special Conditions of Contract;
 - (e) List of Eligible Countries that was specified in Section 5 of the Bidding Document;
 - (f) General Conditions of Contract;
 - (g) Schedule of Supply; and
 - (h) any other documents shall be added here.

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

¹ Information contained in the addenda and or addendum should preferably be included in the contract documents to avoid potential ambiguities during contract implementation. If however, unavoidable priority should be decided depending on the nature of information provided in the addenda/addendum.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Related 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 Related 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 *[indicated name of country]* on the day, month, and year indicated above.

Signed by *[insert authorized signature for the Purchaser]* (for the Purchaser)

Signed by *[insert authorized signature for the supplier]* (for the Supplier)

Performance Security

[Bank's name, and address of issuing branch or office]

Beneficiary:[Name and address of the Purchaser]

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

Performance Guarantee No.:

We have been informed that [name of the supplier] (hereinafter called "the Supplier") has entered into Contract No. [reference number of the contract] dated [date] with you, for the execution of [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 Supplier, we [name of the bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [name of the currency and amount in words]¹ [amount in figures] such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Supplier is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the [date] day of [month], [year],² and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revisions, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded³

.....
[Signature(s) and seal of bank (where appropriate)]

-- Note to Bidder --

If the bank issuing performance security is located outside the Purchaser's country, it shall be counter-guaranteed or encashable by a bank in the Purchaser's country.

¹ The guarantor shall insert an amount representing the percentage of the contract price specified in the contract and denominated either in the currency(ies) of the contract or in any freely convertible currency acceptable to the Purchaser.

² Insert the date 28 days after the expected completion date. The Purchaser should note that in the event of an extension of the time 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 Purchaser's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

³ Or the purchaser may use "Uniform Rules for Demand Guarantees (URDG), ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded" as appropriate.

Advance Payment Security

[insert complete name and number of contract]

To: [insert complete name of the Purchaser]

In accordance with the payment provision included in the Contract, in relation to advance payments, [insert complete name of the supplier] (hereinafter called "the Supplier") shall deposit with the Purchaser a security consisting of [indicate type of security], to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of [insert currency and amount of guarantee in words and figures].

We, the undersigned [insert complete name of the guarantor], legally domiciled in [insert full address of the guarantor] (hereinafter "the Guarantor"), as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligor and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding [insert currency and amount of guarantee in words and figures].

This security shall remain valid and in full effect from the date of the advance payment being received by the Supplier under the Contract until [insert date (as day, month, year)].

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revisions, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.¹

Name: [insert complete name of person signing the Security]

In the capacity of [insert legal capacity of person signing the Security]

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

Duly authorized to sign the security for and on behalf of [insert seal (where appropriate) and complete name of the guarantor]

Date: [insert date of signing]

-- Note to Bidder --

If the bank issuing advance payment security is located outside the Purchaser's country, it shall be counter-guaranteed or encashable by a bank in the Purchaser's country.

¹ Or the purchaser may use "Uniform Rules for Demand Guarantees (URDG), ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded" as appropriate.