

STANDARD BIDDING DOCUMENTS

Procurement of Electrical and Electronics Laboratory Equipment



**Royal University of Bhutan
Jigme Namgyel Engineering College
Dewathang, Samdrup Jongkhar, Bhutan**

STANDARD BIDDING DOCUMENTS

TABLE OF CONTENTS

PART 1-Bidding Procedures	1
Section I. Instructions to Bidders	2
Section II. Bid Data Sheet	30
Section III. Evaluation and Qualification Criteria	35
Section IV. Bidding Forms	39
Section V: Eligible Countries.....	55
 PART 2-Supply Requirements.....	 57
Section VI: Schedule of Supply	58
 PART 3-CONTRACT	 67
Section VII. General Conditions of Contract	68
Section VIII. Special Conditions of Contract	85
Section IX. Contract Forms	91

PART 1

BIDDING PROCEDURES

SECTION I. INSTRUCTIONS TO BIDDERS

TABLE OF CLAUSES

A. General	4
1. Scope of Bid and Source of Funds.....	4
2. Fraud and Corruption	4
3. Eligible Bidders.....	6
4. Exclusion of Bidders	7
5. Eligible Goods and Related Services.....	8
B. Contents of Bidding Documents	8
6. Parts of Bidding Documents.....	8
7. General Information	8
8. Clarification of Bidding Documents	9
9. Amendment of Bidding Documents.....	9
C. Qualification Criteria.....	10
10. Financial Capacity	10
11. Experience and Technical Capacity	10
D. Preparation of Bids	10
12. Cost of Bidding.....	10
13. Language of Bid	10
14. Documents Comprising the Bid	10
15. Bid Submission Sheet.....	11
16. Price Schedules.....	11
17. Alternative Bids.....	11
18. Bid Prices and Discounts	11
19. Price Variation	13
20. Currencies of Bid.....	13
21. Documents Establishing the Eligibility of the Bidder.....	14
22. Documents Establishing the Eligibility of the Goods and Related Services	14
23. Documents Establishing the Conformity of the Goods and Related Services	14
24. Documents Establishing the Qualifications of the Bidder	15
25. Period of Validity of Bids	16
26. Bid Security.....	16
27. Format and Signing of Bid	17
E. Submission and Opening of Bids	18
28. Submission, Sealing and Marking of Bids	18
29. Deadline for Submission of Bids.....	19
30. Late Bids.....	19
31. Withdrawal, Substitution and Modification of Bids.....	19
32. Bid Opening.....	20

F. Evaluation and Comparison of Bids.....	21
33. Confidentiality	21
34. Clarification of Bids	22
35. Responsiveness of Bids	22
36. Non-conformities, Errors and Omissions	22
37. Preliminary Examination of Bids	23
38. Examination of Terms and Conditions; Technical Evaluation	23
39. Conversion to Single Currency	24
40. Margin of Preference	24
41. Evaluation of Bids	24
42. Comparison of Bids	25
43. Abnormally Low Bid.....	25
44. Seriously unbalanced Bids	26
45. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids.....	26
 G. Award of Contract.....	 26
46. Award Criteria	26
47. Purchaser's Right to Vary Quantities at Time of Award.....	26
48. Letter of Intent to Award the Contract/Letter of Acceptance	26
49. Debriefing by the Employer	27
50. Signing of Contract.....	27
51. Performance Security	28
52. Complaint and Review	29

SECTION I. INSTRUCTIONS TO BIDDERS

A. GENERAL

1. **Scope of Bid and Source of Funds**
 - 1.1. The Purchaser, as indicated in the Bid Data Sheet (BDS), issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VI, Schedule of Supply. The name, identification number, and number of lots within this procurement are provided in the BDS
 - 1.2. Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form (eg by mail, electronic mail, fax, telex) with proof of receipt;
 - (b) if the context so requires, “singular” means plural” and vice versa; and
 - (c) “day” means calendar day.
 - 1.3. The Employer as defined in section II, Bidding Data Sheet (BDS) has received a budget from RGoB towards the cost of the Goods defined in the BDS and intends to apply a part of the funds to cover eligible payments under this contract.
2. **Fraud and Corruption**
 - 2.1. It is RGoB policy to require that Purchasers, Bidders, Suppliers, Contractors and their Subcontractors observe the highest standards of ethics during the procurement and execution of contracts.⁸ In pursuance of this policy, the RGoB:
 - (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “Corrupt practice”⁹ is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value¹⁰ to influence improperly the actions of another party;
 - (ii) “Fraudulent practice”¹¹ is any intentional 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;

⁸ In this context, any action taken by a Bidder, Supplier, Contractor or a Subcontractor to influence the procurement process or contract execution for undue advantage is improper.

⁹ “another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes staff and employees of any organizations (including any institutions providing finance for the Goods) taking or reviewing procurement decisions.

¹⁰ “anything of value” includes, but is not limited to, any gift, loan, fee, commission, valuable security or other asset or interest in an asset; any office, employment or contract; any payment, discharge or liquidation of any loan, obligation or other liability whatsoever, whether in whole or in part; any other services, favour or advantage, including protection from any penalty or disability incurred or apprehended or from any action or proceeding of a disciplinary or penal nature, whether or not already instituted and including the exercise or the forbearance from the exercise of any right or any official power or duty.

¹¹ a “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

- (iii) “Collusive practice”¹² is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
- (iv) “Coercive practice”¹³ is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- (v) “Obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order materially to impede any investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (bb) acts intended materially to impede the exercise of the inspection and audit rights of the Purchaser or any organization or person appointed by the Purchaser and/or any relevant RGoB agency provided for under ITB Sub-Clause 2.1 (d) below.
- (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;
- (c) will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded an RGoB-financed contract if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in executing, an RGoB-financed contract;
- (d) will have the right to require that a provision be included in Bidding Documents and in contracts financed by the RGoB, requiring Bidders, Suppliers, Contractors and their Subcontractors to permit the Purchaser, any organization or person appointed by the Purchaser and/or any relevant RGoB agency to inspect their accounts and records and other documents relating to their Bid submission and contract performance and to have them audited by auditors appointed by the Purchaser;

12 “parties” refers to participants in the procurement process (including public officials) and an “improper purpose” includes attempting to establish bid prices at artificial, non competitive levels.

13 a “party” refers to a participant in the procurement process or contract execution.

- (e) requires that Bidders, as a condition of admission to eligibility, execute and attach to their bids an Integrity Pact Statement in the form provided in Section IV, Bidding Forms as specified in the BDS. Failure to provide a duly executed Integrity Pact Statement may result in disqualification of the Bid; and
- (f) will report any case of corrupt, fraudulent, collusive, coercive or obstructive practice to the relevant RGoB agencies, including but not limited to the Anti-corruption Commission (ACC) of Bhutan, for necessary action in accordance with the statutes and provisions of the relevant agency.

2.2. Furthermore, Bidders shall be aware of the provision stated in Sub-Clause 36.1 (a) (iii) of the General Conditions of Contract.

3. Eligible Bidders

- 3.1. A Bidder, and all parties constituting the Bidder, may have the nationality of any country, subject to the restrictions specified in Section V, Eligible Countries and any specific category of trade license if so specified in the BDS. 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.
- 3.2. A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this bidding process if they:
 - (a) are associated, or have been associated in the past, with a firm or any of its affiliates which has been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications and/or other documents to be used for the procurement of the Goods to be purchased pursuant to these Bidding Documents, or
 - (b) submit more than one Bid in this bidding process, except for alternative offers permitted under ITB Clause 17. However, this does not limit the participation of subcontractors in more than one Bid.
 - (c) employ or otherwise engage, either directly or through any of their affiliates, a spouse, dependent or close relative of a public servant of the RGoB who either is employed by the Purchaser or has an authority over it. For the purposes of this Sub-Clause a close relative is defined as immediate family which includes father, mother, brother, sister, spouse and own children.
 - (d) they have at least one controlling partner in common;
 - (e) they receive or have received any direct or indirect subsidy from either party;

- (f) they have the same authorized legal representative for purposes of this Bid;
- (g) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Employer regarding this bidding process;

3.3. Government-owned enterprises in Bhutan 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 a dependent agency (directly or indirectly) of the Purchaser.

3.4. A Bidder that is under a declaration of ineligibility pursuant to ITB Sub-Clause 2.1 (c) shall not be eligible to participate in this bidding process in any capacity.

3.5. Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser as the Purchaser shall reasonably request.

4. Exclusion of Bidders

4.1. A Bidder shall be excluded from participating in this bidding process under the following circumstances:

- (a) as a matter of law or official regulation, RGoB prohibits commercial relations with the country in which the Bidder is constituted, incorporated or registered; or
- (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, RGoB prohibits (i) any import of Goods or contracting of Services from the country in which the Bidder is constituted, incorporated or registered or (ii) any payments to persons or entities in that country; or
- (c) he is insolvent or is in receivership or is a bankrupt or is in the process of being wound up; or has entered into an arrangement with creditors; or
- (d) his business affairs are being administered by a court, judicial officer or appointed liquidator; or
- (e) he has suspended business or is in any analogous situation arising from similar procedures under the laws and regulations of his country of establishment; or
- (f) he has been found guilty of professional misconduct by a recognized tribunal or professional body; or
- (g) he has not fulfilled his obligations with regard to the payment of taxes, social security or other payments due in accordance with the laws of the country in which he is established or of the Kingdom of Bhutan; or
- (h) he is guilty of serious misrepresentation in supplying information in his tender; or
- (i) he has been convicted for fraud and/or corruption by a competent authority; or

- (j) he has not fulfilled any of his contractual obligations with the Purchaser in the past.
- (k) he has been debarred from participation in public procurement by any competent authority as per law.

5. Eligible Goods and Related Services

- 5.1.** All the Goods and Related Services to be supplied under the Contract may have their origin in any country in accordance with Section V, Eligible Countries and if so required shall comply with requirements specified in the **BDS**.
- 5.2.** For the purposes of this Clause, the term “Goods” includes commodities, raw material, machinery, equipment and industrial plants; and “Related Services” includes services such as insurance, installation, training, and initial maintenance.
- 5.3.** The term “origin” means the country where the Goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. CONTENTS OF BIDDING DOCUMENTS

6. Parts of Bidding Documents

- 6.1.** The Bidding Documents consist of Parts 1, 2 and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB Clause 9.

PART 1 Bidding Procedures

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

PART 2 Supply Requirements

- Section VI. Schedule of Supply

PART 3 Contract

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

7. General Information

- 7.1.** The Invitation for Bids issued by the Purchaser is not part of the Bidding Documents.
- 7.2.** The Purchaser is not responsible for the completeness of the Bidding Documents and their addenda, if any, if these were not obtained directly from the Purchaser.

-
- 7.3. The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the Bid.
- 8. Clarification of Bidding Documents**
- 8.1. Bidders shall not be allowed to seek any clarification of the Bidding Documents in person or by telephone or other verbal means.
- 8.2. A prospective Bidder requiring any clarification of the Bidding Documents shall notify the same to the Purchaser in writing at the Purchaser's address specified in the BDS;
- 8.3. The Purchaser shall respond in writing to any such request for clarification, provided that it is received no later than fifteen (15) days prior to the deadline for submission of Bids. Copies of the Purchaser's response shall be forwarded to all those who have acquired the Bidding Documents directly from the Purchaser, including a description of the enquiry without disclosing the name of the Bidder(s) seeking clarification. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 9 and ITB Sub-Clause 29.2; and
- 8.4. A pre-bid meeting shall be conducted only if strictly necessary to clarify doubts and concerns of the Bidders prior to submission of Bids. Minutes of the pre-bid meeting shall be circulated to all Bidders that have purchased Bidding Documents.
- 9. Amendment of Bidding Documents**
- 9.1. At any time prior to the deadline for submission of Bids the Purchaser may amend the Bidding Documents by issuing an addendum. This may be done either on the Purchaser's own initiative or in response to a clarification request from a prospective Bidder.
- 9.2. Any addendum thus issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents directly from the Purchaser. Such addendum shall be binding on the prospective Bidders, and shall require that prospective Bidders confirm receipt of it before the time established for the opening of Bids;
- 9.3. The Purchaser may, at its discretion, extend the deadline for submission of Bids pursuant to ITB Sub-Clause 29.2 to allow prospective Bidders reasonable time in which to take the addendum into account in preparation of their Bids.

C. QUALIFICATION CRITERIA

10. Financial Capacity

10.1. The bidder shall have the minimum level of financial capacity if so specified in the BDS to qualify for supply of goods and related services under the contract.

11. Experience and technical capacity

11.1. The bidder shall have the following minimum level of experience to qualify for supply of goods and related services under the contract:

- (a) the minimum number of years of experience in the supply of goods and related services if so specified in the BDS;
- (b) specific experience in the supply of similar goods and related services if so specified in the BDS; and
- (c) minimum production capacity or availability of the equipments if so specified in the BDS.

D. PREPARATION OF BIDS

12. Cost of Bidding

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

13. Language of Bid

13.1. 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 the purposes of interpretation of the Bid, such translation shall govern.

14. Documents Comprising the Bid

14.1. The Bid shall comprise the following:

- (a) Bid Submission Sheet and the applicable Price Schedules in accordance with ITB Clauses 15, 16, 18 and 20;
- (b) Bid Security, in accordance with ITB Clause 26;
- (c) Written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 27;
- (d) Documentary evidence in accordance with ITB Clause 21 establishing the Bidder's eligibility to bid;
- (e) Documentary evidence in accordance with ITB Clause 22 that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
- (f) Documentary evidence in accordance with ITB Clauses 23 and 35 that the Goods and Related Services conform to the Bidding Documents;
- (g) Documentary evidence in accordance with ITB Clause 24 establishing the Bidder's qualifications to perform the contract if its Bid is accepted;

- (h) Alternative Bids, if permissible, in accordance with ITB Clause 17;
- (i) Documentary evidence or certified statements that the Bidder is not in any of the exclusion categories stipulated in ITB Sub-Clause 4.1;
- (j) Integrity Pact Statement, in accordance with ITB Sub-Clause 2.1 (e) as specified in BDS; and
- (k) Any other document required in the BDS.

14.2. In addition to the requirements under ITB 14.1, Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Bid shall be signed by all members and submitted with the Bid, together with a copy of the proposed Agreement.

15. Bid Submission Sheet

15.1. The Bidder shall submit the Bid Submission Sheet using the form furnished in Section IV, 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.

16. Price Schedules

16.1. The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms.

17. Alternative Bids

17.1. Unless otherwise indicated in the BDS alternative Bids shall not be considered.

18. Bid Prices and Discounts

18.1. 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.

18.2. All lots and items in the Schedule of Supply must be listed and priced separately in the Price Schedules.

18.3. The price to be quoted in the Bid Submission Sheet shall be the total price of the Bid excluding any discounts offered.

18.4. The Bidder shall quote any unconditional discounts and the methodology for their application in the Bid Submission Sheet.

18.5. 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 as specified in the BDS.

18.6. Unless otherwise stated in the BDS, Prices shall be quoted inclusive of all applicable taxes and levies, insurance, transportation, handling costs and any other associated cost to fulfill the contractual obligations, as specified in the Price Schedule forms for Goods and related services included in Section IV Bidding Forms. However, to avail margin of preference, prices shall be quoted as specified in the Price Schedule for Goods Manufactured in Bhutan in section IV Bidding Forms.. The disaggregation of price components shall be solely for the purpose of facilitating the comparison of Bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V, Eligible Countries. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V, Eligible Countries. Prices shall be entered in the following manner:

(a) For goods manufactured in Bhutan:

- (i) the price of the Goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all Customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
- (ii) any Bhutan sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
- (iii) the price for inland transportation, insurance and other local services required to deliver the Goods to their final destination (Project Site) specified in the BDS.

(b) For Goods manufactured outside the Purchaser's Country, to be imported:

- (i) the price of the Goods, quoted CIP named place of destination, in the Purchaser's Country, as specified in the BDS;
- (ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the BDS;

(c) For Goods manufactured outside the Purchaser's Country, already imported:

- (i) the price of the Goods, including the original import value of the Goods; plus any mark-up (or rebate); plus any other related local cost, and custom duties and other import taxes already paid or to be paid on the Goods already imported;
- (ii) the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;

- (iii) the price of the Goods, obtained as the difference between (i) and (ii) above;
 - (iv) any Purchaser's Country sales and other taxes which will be payable on the Goods if the Contract is awarded to the Bidder; and
 - (v) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified **in the BDS**.
- (d) for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Supply, the price of each item comprising the Related Services (inclusive of any applicable taxes).

18.7. If so indicated in ITB Sub-Clause 1.1, Bids are being invited for individual items, lots or packages. Unless otherwise indicated in the BDS, prices quoted shall correspond to one hundred percent (100%) of the items specified for each lot and to one hundred percent (100%) of the quantities for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Price reductions or discounts shall be submitted in accordance with ITB Sub-Clause 18.4, provided the Bids for all lots are submitted and opened at the same time.

19. Price Variation

19.1. 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 non-responsive and shall be rejected pursuant to ITB Clause 35 unless adjustable price quotations are permitted by the BDS. If, in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a Bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

20. Currencies of Bid

20.1. The unit rates and prices shall be quoted by the Bidder entirely in Ngultrum (Nu). Foreign currency requirements shall be indicated and shall be payable at the option of the Bidder in up to three foreign currencies. In case of International procurement, bidders may express the unit rates and prices in fully convertible currency. If the bidders wish to be paid in a combination of amounts in different currencies, it may quote its price accordingly up to three foreign currencies.

20.2. The rates of exchange to be used in arriving at the local currency equivalent shall be the selling rates for similar transactions established by RMA on the day of bid opening. These exchange rates shall apply for all payments so that no exchange risk shall be borne by the Bidder.

20.3. Bids shall be evaluated as quoted in Ngultrum (NU) in accordance with ITB Sub-Clause 20.1, unless a Bidder has used different exchange rates than those prescribed in ITB Sub-Clause 20.2, in which case the Bid shall be first converted into the amounts payable in different currencies using the rates quoted in the Bid and then reconverted to Ngultrum (NU) using the exchange rates prescribed in ITB Sub-Clause 20.2.

20.4. Bidders shall indicate details of their expected foreign currency requirements in the Bid.

20.5. Bidders may be required by the Employer to clarify their foreign currency requirements and to substantiate that the amounts included in the rates and prices if required in the BDS, are reasonable and responsive to ITB Sub-Clause 20.1.

20.6. In case of International Procurement from countries other than India, the procuring agency may invite bids in convertible currencies. The bids shall however, be evaluated in accordance with Sub-Clause 20.3 above, but the payment shall be made in the currency of bid.

**21. Documents
Establishing the
Eligibility of the
Bidder**

21.1. To establish their eligibility in accordance with ITB Clause 3, Bidders shall complete the Bid Submission Sheet included in Section IV, Bidding Forms.

**22. Documents
Establishing the
Eligibility of the
Goods and Re-
lated Services**

22.1. To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms included in Section IV, Bidding Forms.

**23. Documents
Establishing the
Conformity of
the Goods and
Related Services**

23.1. To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid documentary evidence that the Goods conform to the technical specifications and standards specified in Section VI, Schedule of Supply.

23.2. 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 the technical specifications and, if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Supply.

23.3. The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period specified in the BDS following commencement of the use of the Goods by the Purchaser.

23.4. Standards for workmanship, process, material and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of 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 equivalence or are superior to those specified in the Schedule of Supply.

**24. Documents
Establishing the
Qualifications of
the Bidder**

24.1. The documentary evidence of the Bidder's qualifications to perform the contract if its Bid is accepted shall establish to the Purchaser's satisfaction:

- (a) that, if required by the BDS, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Bhutan;
- (b) that, if required in the BDS, in the case of a Bidder not doing business within Bhutan, the Bidder is or will be (if awarded the Contract) represented by an agent in Bhutan 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;
- (c) that Bids submitted by a Joint Venture, Consortium or Association (JV/C/A) of two or more firms as partners comply with the following requirements:
 - (i) the Bid is signed so as to be legally binding on all partners;
 - (ii) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
 - (iii) one of the partners is nominated as being in charge, authorized to incur liabilities, and to receive instructions for and on behalf of any and all partners of the JV/C/A;
 - (iv) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge; and
 - (v) a copy of the JV/C/A Agreement entered into by the partners is submitted with the Bid; or a Letter of Intent to execute a JV/C/A Agreement in the event of a successful Bid is signed by all partners and submitted with the Bid, together with a copy of the proposed Agreement.

- (d) that the Bidder meets each of the qualification criteria specified in Section III, Evaluation and Qualification Criteria.

25. Period of Validity of Bids

- 25.1. Bids shall remain valid for the period specified in the BDS from the Bid submission deadline prescribed by the Purchaser. A Bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 25.2. In exceptional circumstances, prior to expiry 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. The Bid Security shall also be extended for a corresponding period. A Bidder may refuse the request to extend the validity of its Bid without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its Bid, except as provided in ITB Sub-Clause 25.3
- 25.3. In the case of fixed price contracts, if the award is delayed by a period exceeding sixty (60) days beyond the expiry of the initial Bid validity, the Contract price shall be adjusted as specified in the request for extension. Bid evaluation shall be based on the Bid Price without taking into consideration the above correction.

26. Bid Security

- 26.1. The Bidder shall furnish, as part of its Bid, a Bid Security in original form, denominated in Ngultrum or a freely convertible currency and in the amount specified in the BDS.
- 26.2. The Bid Security shall:
- (a) at the Bidder's option, be in any of the following forms:
 - (i) an Unconditional Bank Guarantee; or
 - (ii) a Banker's Certified Cheque/Cash Warrant; or
 - (iii) a Demand Draft;
 - (b) be issued by a financial institution in Bhutan acceptable to the Purchaser and selected by the Bidder. If the institution issuing the Bid Security is located outside Bhutan it shall have a correspondent financial institution located in Bhutan to make the Bid Security enforceable.
 - (c) in the case of a bank guarantee, be substantially in accordance with the form of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to Bid submission;
 - (d) be promptly payable upon written demand by the Purchaser in case any of the conditions listed in ITB Sub-Clause 26.6 are invoked;
 - (e) be submitted in its original form; copies shall not be accepted;
 - (f) remain valid for a period of thirty (30) days beyond the end of the validity period of the Bid, as extended, if applicable, in accordance with ITB Sub-Clause 25.2.

- 26.3. Any Bid not accompanied by a responsive Bid Security shall be rejected by the Purchaser as non-responsive.
- 26.4. The Bid Securities of unsuccessful Bidders shall be discharged/ returned as promptly as possible upon award of contract, but in any event not later than thirty (30) days after the expiration of the period of bid validity prescribed by the procuring agency and the successful Bidder furnishing the Performance Security pursuant to ITB Clause 51.
- 26.5. The Bid Security of the successful Bidder shall be returned as promptly as possible after the successful Bidder has signed the Contract and furnished the required Performance Security.
- 26.6. The Bid Security shall be forfeited:
- (a) if 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 Sub-Clause 25.2; or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 50;
 - (ii) furnish a Performance Security in accordance with ITB Clause 51; or
 - (iii) accept the correction of its Bid Price pursuant to ITB Sub-Clause 36.4
- 26.7. The Bid Security of a JV/C/A must be in the name of the JV/C/A that submits the Bid. If the JV/C/A has not been legally constituted at the time of bidding the Bid Security shall be in the names of all future partners as named in the letter of intent.
- 27. Format and Signing of Bid**
- 27.1. The Bidder shall prepare ONE Original of the documents comprising the Bid as described in ITB Clause 14 and clearly mark it "ORIGINAL." 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.
- 27.2. 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.
- 27.3. Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

E. SUBMISSION AND OPENING OF BIDS

28. Submission, Sealing and Marking of Bids

28.1. Bids shall be delivered by hand, courier or registered post. The Bidder shall seal the original Bid and the number of copies stipulated in the BDS, including alternative Bids if permitted in accordance with ITB Clause 17, in separate inner envelopes contained within one outer envelope. All envelopes shall be sealed with adhesive or other sealant to prevent reopening.

28.2. The inner envelopes shall:

- (a) be signed across their seals by the person authorized to sign the Bid on behalf of the Bidder; and
- (b) be marked "ORIGINAL", "ALTERNATIVE" (if any) and "COPIES";

28.3. The outer envelope shall:

- (a) be marked "Confidential";
- (b) be addressed to the Purchaser at the address¹⁴ provided in the BDS;
- (c) bear the name and identification number of the Contract as defined in the BDS; and
- (d) provide a warning not to open before the specified time and date for Bid Opening as defined in the BDS.

28.4. In addition to the identification required in ITB Sub-Clause 28.2, the inner envelopes shall indicate the name and address of the Bidder, to enable the Bid to be returned unopened in case it is declared late pursuant to ITB Clause 30.

28.5. If the outer envelope is not sealed and marked as above, the Purchaser shall assume no responsibility for the misplacement or premature opening of the Bid.

28.6. In the Two-Stage Process, Bidders shall be advised to submit only the technical proposal in the first stage. In the second stage, Bidders shall be requested to submit both their technical proposals as modified and agreed with the Purchaser and the financial proposals based on the modified technical proposal simultaneously in two separate sealed envelopes.

28.7. When so specified in the BDS Bidders shall have the option of submitting their Bids electronically. Bidders submitting Bids electronically shall follow the procedures specified in the BDS.

¹⁴ The receiving address shall be an office that is staffed during normal working hours by personnel authorized to certify time and date of receipt and assure safe-keeping until Bid opening. A post office address is not to be used. The address must be the same as the receiving address described in the Invitation for Bids.

29. Deadline for Submission of Bids

29.1. Bids shall be delivered by hand, courier or registered post to the Purchaser at the address and no later than the date and time indicated in the BDS.

29.2. The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with ITB Clause 9, 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.

30. Late Bids

30.1. The Purchaser shall not consider any Bid that is submitted after the deadline for submission of Bids. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.

31. Withdrawal, Substitution and Modification of Bids

31.1. A Bidder may withdraw, substitute or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 28, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB Sub-Clause 27.2, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Bid must accompany the respective written notice. All notices must be:

- (a) submitted in accordance with ITB Clauses 27 and 28 (except that withdrawal notices do not require copies) and, in addition, the respective envelopes shall be clearly marked “**Withdrawal**”, “**Substitution**” or “**Modification**,” and
- (b) received by the Purchaser prior to the deadline prescribed for submission of Bids, in accordance with ITB Clause 29.

31.2. Bids requested to be withdrawn in accordance with ITB Sub-Clause 31.1 shall be returned unopened to the Bidders.

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

31.4. Withdrawal of a bid between the deadline for submission of bids and expiration of the period of bid validity specified in the BDS or as extended pursuant to Clause 25.1, may result in the forfeiture of the Bid Security pursuant to Clause 26.6. If the lowest or the lowest evaluated bidder withdraws his bid between the periods specified in this clause, the bid security of the bidder shall be forfeited and in addition, the bidder shall pay to the employer the positive difference of sum, if any, with the next lowest bidder within fourteen (14) days of his withdrawal. If the bidder fails to pay the difference within the said date, the bidder shall be debarred by a competent authority as per law. In the case of framework contracts, the bid security shall be forfeited and the supply of the particular item will be re-tendered.

32. Bid Opening

- 32.1. The Purchaser shall conduct the Bid Opening in public, in the presence of Bidders' designated representatives who choose to attend, and at the address, date and time specified in the BDS. Any specific electronic Bid Opening procedures required if electronic bidding is permitted in accordance with ITB Sub-Clause 28.7 shall be as specified in the BDS.
- 32.2. Bidders, their representatives and other attendees at the Bid Opening shall not be permitted to approach any members of the Bid Opening Committee or any RGoB officials.
- 32.3. First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding Bid shall not be opened, but shall be 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 and read out and exchanged with the corresponding Bid being substituted. The substituted Bid shall not be opened, but shall be returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Bid Opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid Opening. Only envelopes that are opened and read out at Bid Opening shall be considered further.
- 32.4. All other envelopes shall be opened one at a time. The Bidders' names, the Bid prices, the total amount (or lot-wise) of each Bid and of any alternative Bid (if alternatives have been requested or permitted), any discounts, Bid withdrawals, substitutions or modifications, the presence or absence of Bid Security, responses to any Bidding Documents addenda, and such other details as the Purchaser may consider appropriate shall be announced by the Purchaser at the Bid Opening. This information also shall be written on a notice board for the public to copy. Any Bid price, discount or alternative Bid price not announced and recorded shall not be taken into account in Bid evaluation. No Bid shall be rejected at Bid Opening except for late Bids pursuant to ITB Clause 30. Substitution Bids and modifications submitted pursuant to ITB Clause 31 that are not opened and read out at Bid Opening shall not be considered for further evaluation regardless of the circumstances. Late, withdrawn and substituted Bids shall be returned unopened to Bidders.

- 32.5. The Purchaser shall prepare a record of the Bid Opening, which shall include the information disclosed to those present in accordance with ITB Sub-Clause 32.4. The minutes shall include, as a minimum:
- (a) the Contract title and reference number;
 - (b) the Bid number;
 - (c) the Bid deadline date and time;
 - (d) the date, time and place of Bid Opening;
 - (e) Bid prices, per lot if applicable, offered by the Bidders, including any discounts and alternative offers;
 - (f) the presence or absence of Bid Security and, if present, its amount;
 - (g) the name and nationality of each Bidder, and whether there is a withdrawal, substitution or modification;
 - (h) the names of attendees at the Bid Opening, and of the Bidders they represent (if any);
 - (i) details of any complaints or other comments made by attendees/representatives attending the Bid Opening, including the names and signatures of the attendees/representatives making the complaint(s) and/or comment(s); and
 - (j) the names, designations and signatures of the members of the Bid Opening Committee.
- 32.6. The Bidders' representatives and attendees who are present shall be requested to sign the record. The omission of a Bidder's or other attendee'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.

F. EVALUATION AND COMPARISON OF BIDS

- 33. Confidentiality**
- 33.1. Information relating to the examination, evaluation, comparison and qualification of Bids, and recommendation of Contract Award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until publication of the Contract Award.
- 33.2. Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison and qualification of the Bids or Contract Award decisions may result in the rejection of its Bid.
- 33.3. Notwithstanding ITB Sub-Clause 33.2, 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.

34. Clarification of Bids

34.1. To assist in the examination, evaluation, comparison and 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 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 Clause 36.

35. Responsiveness of Bids

35.1. The Purchaser's determination of a Bid's responsiveness shall be based on the contents of the Bid itself, and is to determine which of the Bids received are responsive and thereafter to compare the responsive Bids against each other to select the lowest evaluated Bid.

35.2. A substantially responsive Bid is one that conforms to all the terms, conditions and specifications of the Bidding Documents without material deviation, reservation or omission. A material deviation, reservation or omission is one that:

- (a) affects in any substantial way the scope, quality or performance of the Goods or Related Services required; or
- (b) limits in any substantial way inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (c) if rectified would affect unfairly the competitive position of other Bidders presenting responsive Bids

35.3. If a Bid is not substantially responsive to the Bidding Documents it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.

36. Non-conformities, Errors and Omissions

36.1. Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

36.2. 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 non-material non-conformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

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

- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to ITB Sub-Clauses 36.3 (a) and (b) above.

36.4. If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited.

**37. Preliminary
Examination of
Bids**

37.1. The Purchaser shall examine the Bids to confirm that all documents and technical documentation requested in ITB Clause 14 have been provided, and to determine the completeness of each document submitted.

37.2. The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.

- (a) Bid Submission Sheet, in accordance with ITB Sub-Clause 14.1 (a);
- (b) Price Schedules, in accordance with ITB Sub-Clause 14.1 (a);
- (c) Bid Security, in accordance with ITB Clause 26.

**38. Examination
of Terms and
Conditions;
Technical
Evaluation**

38.1. The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.

38.2. The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 23, to confirm that all requirements specified in Section VI, Schedule of Supply of the Bidding Documents have been met without any material deviation or reservation.

38.3. If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 35, the bid shall not be considered for evaluation.

-
- 39. Conversion to Single Currency** 39.1. For evaluation and comparison purposes, the Purchaser shall convert all Bid prices expressed in amounts in various currencies into a single currency and using the exchange rates specified in the BDS.
- 40. Margin of Preference** 40.1. A margin of preference may apply to domestic goods manufactured in Bhutan as provided for in the BDS. To avail a margin of preference, the bidder shall provide a value addition certificate from the Ministry of Economic Affairs.
- 41. Evaluation of Bids** 41.1. The Purchaser shall evaluate each Bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- 41.2. To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in this ITB Clause 41. No other criteria or methodology shall be permitted.
- 41.3. To evaluate a Bid, the Purchaser shall consider the following:
- (a) evaluation shall be done for Items or Lots, as specified in the BDS;
 - (b) the Bid Price, as quoted in accordance with ITB Clause 18;
 - (c) price adjustment for correction of arithmetic errors in accordance with ITB Clause 36.3;
 - (d) price adjustment due to discounts offered in accordance with ITB Clause 18.4;
 - (e) adjustments due to the application of the evaluation criteria specified in the BDS from amongst those set out in Section III, Evaluation and Qualification Criteria; and
 - (f) adjustments due to the application of a margin of preference, in accordance with ITB Clause 40, if applicable.
- 41.4. The Purchaser's evaluation of a Bid shall exclude and not take into account:
- (a) in the case of Goods manufactured in Bhutan, sales and other similar taxes which will be payable on the Goods if the Contract is awarded to the Bidder;
 - (b) in the case of Goods manufactured outside Bhutan, already imported or to be imported, Customs duties and other import taxes levied on the imported Goods, sales and other similar taxes which will be payable on the Goods if the Contract is awarded to the Bidder; and
 - (c) any allowance for price adjustment during the period of execution of the Contract, if provided in the Bid.

41.5. The Purchaser's evaluation of a Bid may require the consideration of other factors in addition to the Bid Price quoted in accordance with ITB Clause 18. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Bids, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, criteria and the methodology of application shall be as specified in ITB Sub-Clause 41.3 (e).

41.6. If so specified in the BDS, these Bidding Documents shall allow Bidders to quote separate prices for one or more lots, and shall allow the Purchaser to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest evaluated lot combinations is specified in Section III, Evaluation and Qualification Criteria.

41.7. The purchaser shall ensure that the lowest evaluated bid price is consistent and reasonable with the current market prices. If the prices are unreasonable compared to prevailing market prices purchaser may reject the bid.

42. Comparison of Bids

42.1. The Purchaser shall compare the evaluated costs of all substantially responsive Bids established in accordance with ITB 41 to determine the Bid that has the lowest evaluated cost. The comparison shall be on the basis of CIP (place of final destination) prices for imported goods and EXW prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within the purchaser's country, together with prices for any required installation, training, commissioning and other services. The evaluation of prices shall not take into account custom duties and other taxes levied on imported goods quoted CIP and sales and similar taxes levied in connection with the sale or delivery of goods.

43. Abnormally Low Bid

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

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

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

44. Seriously unbalanced Bids

44.1. If the Bid that is evaluated as the lowest evaluated cost is, in the Employer's opinion, seriously unbalanced the Employer may require the Bidder to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the Bid prices with the scope of works, proposed methodology, schedule and any other requirements of the bidding document.

44.2. After the evaluation of the information and detailed price analyses presented by the Bidder, the Employer may as appropriate:

- (a) accept the Bid and require that the amount of the Performance Security be increased at the expense of the Bidder to a level not exceeding twenty percent (20%) of the initial Contract price in addition to ten percentage(10) of the Performance Security.; or
- (b) reject the Bid.

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

45.1. The Purchaser reserves the right to accept or reject any Bid, and to annul the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to Bidders.

G. AWARD OF CONTRACT**46. Award Criteria**

46.1. The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid and is substantially responsive to the Bidding Documents.

47. Purchaser's Right to Vary Quantities at Time of Award

47.1. At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VI, 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 Documents.

48. Letter of Intent to Award the Contract/Letter of Acceptance

48.1. The Employer shall notify the concerned Bidder whose bid has been selected in accordance with ITB 46 in writing (in the format in section IV-hereafter called the letter of Intent to award the contract) that the Employer has intention to accept its bid and the information regarding the name, address and amount of selected bidder shall be given to all other bidders who submitted the bid. Such notification should be communicated in writing, including by cable, facsimile, telex or electronic mail to all the bidders on the same day of dispatch. The Employer shall ensure that the same information is uploaded on their website on the same day of dispatch.

48.2. If no bidder submits an application pursuant to ITB 52 within a period of ten (10) days of the notice provided under ITB 48.1, prior to expiry of the period of Bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted.

48.3. Until a formal Contract is prepared and executed, the letter of acceptance shall constitute a binding Contract.

48.4. Upon the successful Bidder furnishing the signed Contract Form and the Performance Security pursuant to ITB Clause 51 the Purchaser:

- (a) shall promptly notify each unsuccessful Bidder and discharge its Bid Security, pursuant to ITB Sub-Clause 26.4; and
- (b) publish a notification of award on the Purchaser's website.

48.5. The notifications to all unsuccessful Bidders and the notification posted on the Purchaser's website shall include the following information:

- (a) the Bid and lotnumbers;
- (b) name of the winning Bidder, and the price it offered, as well as the duration and summary scope of the Contract awarded; and
- (c) the date of the award decision.

49. Debriefing by the Employer

49.1. On receipt of the Employer's Notification of Intention to Award referred to in ITB 48, an unsuccessful Bidder has three (3) working Days to make a written request to the Employer for a debriefing. The Employer shall provide a debriefing to all unsuccessful Bidders whose request is received within this deadline.

49.2. Where a request for debriefing is received within the deadline, the Employer shall provide a debriefing within five (5) working days.

49.3. The Procuring Agency shall discuss only such Bid and not the bids of other competitors. The debriefing shall not include:

- (a) point-by-point comparisons with another Bid; and
- (b) information that is confidential or commercially sensitive to other Bidders.

49.4. The purpose of debriefing is to inform the aggrieved bidder of the reasons for lack of success, pointing out the specific shortcomings in its bid without disclosing contents of other bids

50. Signing of Contract

50.1. At the same time as notifying the successful Bidder in writing that its Bid has been accepted the Purchaser shall send the successful Bidder the Contract Agreement and the Special Conditions of Contract.

50.2. Within fifteen (15) days of receipt of the Contract Agreement the successful Bidder shall sign, date and return it to the Purchaser.

50.3. Notwithstanding ITB Sub-Clause 50 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to Bhutan, or to the use of the products/Goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/Goods, systems or services, the Bidder shall not be bound by its Bid, always provided, however, that the Bidder can demonstrate to the satisfaction of the Purchaser that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and/or licenses necessary for the export of the products/Goods, systems or services under the terms of the Contract.

**51. Performance
Security**

51.1. Within fifteen (15) working days of the receipt of letter of acceptance from the Purchaser, the Bidder shall submit the Performance Security in accordance with the GCC, using for that purpose any of the following security forms:

- (a) unconditional bank guarantee in the form provided for in Section IX, Contract Forms, or another form acceptable to the Purchaser, or
- (b) banker's certified cheque/cash warrant, or
- (c) demand draft.

51.2. If the Performance Security is provided by the successful Bidder in the form of a demand bank guarantee it shall be issued, at the Bidder's option, by a financial institution located in Bhutan.

51.3. Failure by the successful Bidder to submit the above-mentioned Performance Security or to sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily. Such a failure shall be considered as "withdrawal" and all relevant clauses shall apply.

52. Complaint and Review

- 52.1. If the Bidder has or is likely to suffer, loss or injury due to breach of a duty imposed on the Employer by the provisions of this bidding document, the Bidder shall submit the complaint in writing to the Employer within ten (10) days from the date of letter of intent to award the contract. In the first instance, the Bidder shall submit the complaint to the Employer.
- 52.2. The head of agency shall, within 7 days after the submission of the complaint, issue a written decision.
- 52.3. The Bidder may appeal to the Independent Review Body within 5 days of the decision of the Head of the Procuring Agency or, where no such decision has been taken, within 15 days of the original complaint and the copy of the appeal shall be given to procuring agency on the same day.
- 52.4. Once the appeal copy is received by the procuring agency, it shall not proceed further with the procurement process until receipt of notification from the Independent Review Body Secretariat.

SECTION II. BID DATA SHEET

A. Introduction 31

B. Bidding Documents 31

C. Qualification Criteria..... 31

D. Preparation of Bids 31

E. Submission and Opening of Bids 32

F. Evaluation and Comparison of Bids..... 33

G. Award of Contract..... 34

SECTION II. BID DATA SHEET

A. INTRODUCTION	
ITB 1.1	The Purchaser is: <i>[Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan]</i>
ITB 1.1	<p>The name, identification number and number of lots within this procurement are:</p> <p>Tender Name: Supply of Electrical and Electronics Laboratory Equipment</p> <p>Tender No.: JNEC/RGoB – DEE & DECE/2021-2022/September</p>
ITB 3.1	Category of trade License eligible for this bidding process is: <i>[as per the licence eligibility issued by MoEA]</i>
ITB 5.1	All goods and related services to be supplied under the contract shall comply with all applicable rules and regulations of the Country.
B. BIDDING DOCUMENTS	
ITB 8.2	<p>For <u>Clarification of Bid purposes</u> only, the Purchaser's address is: Attention: <i>[President]</i></p> <p>Address: <i>[Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar], Bhutan</i></p> <p>Electronic mail address: <i>[passangdendup.jnec@rub.edu.bt]</i></p>
C. QUALIFICATION CRITERIA	
10.1	The minimum amount of financial resource is Nu. <i>[N/A]</i>
11.1 (a)	The minimum number of years of experience in the supply of goods and related services is: <i>[N/A]</i>
11.1 (b)	The specific experience in the supply of similar goods and related services is: <i>[N/A]</i>
11.1 (c)	The minimum production capacity or availability of equipment is: <i>[N/A]</i>
D. PREPARATION OF BIDS	
ITB 13.1	The language of the Bid is: <i>[English]</i>
ITB 14.1 (j)	The bidders shall submit a signed Integrity Pact: <i>[Yes]</i>
ITB 14.1 (k)	The Bidder shall submit with its Bid the following additional documents: <i>[1. Valid Trade Licence, 2. Valid Tax Clearance Certificate 3. Catalogues of the equipment]</i>

ITB 17.1	Alternative Bids [<i>“shall not be”</i>] permitted.
ITB 18.5	The Incoterms edition is: [<i>N/A</i>]
ITB 18.6 (a) (iii), (b) (ii) and (c) (v)	The final destination (Project Site) is: [<i>Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan</i>].
ITB 18.6(b) (i) and (c)(v)	Place of destination: [<i>Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan</i>]
ITB 19.1	The prices quoted by the Bidder [<i>“shall not”</i>] be adjustable.
ITB 20.1	The Bidder [<i>“is”</i>] required to quote in Ngultrum (BTN) the portion of the Bid Price that corresponds to expenditures incurred in Ngultrum (BTN) in Bhutan.
ITB 23.3	The period of time for which the Goods are expected to be functioning (for the purpose of spare parts, special tools, etc) is [<i>1 year</i>].
ITB 24.1 (a)	Manufacturer’s authorization [<i>“is not”</i>] required.
ITB 24.1 (b)	After sales maintenance, repair, spare parts stocking and related services [<i>“are not”</i>] required, and the Bidder therefore [<i>“is not”</i>] required to be represented by a suitably equipped and able agent in Bhutan.
ITB 25.1	The Bid validity period shall be [<i>60</i>] days.
ITB 26.1	The amount and currency of the Bid Security is [<i>2% of the bid amount in Nu. </i>].
E. SUBMISSION AND OPENING OF BIDS	
ITB 27.1 and 28.1	In addition to the original of the Bid, the number of copies is: [<i>1</i>].
ITB 28.3 (c)	The name and identification number of the Contract is: Tender Name: Supply of Electrical and Electronics Laboratory Equipment Tender No.: JNEC/RGoB – DEE & DECE/2021-2022/September
ITB 28.3 (d)	The time and date for Bid Opening is [<i>02:00 PM</i>] Bhutan time on [<i>18/10/2021</i>].

ITB 28.7	Bidders [<i>“shall not”</i>] have the option of submitting their Bids Electronically
ITB 29.1	For Bid submission purposes, the Purchaser’s address is: Attention: [President] Address: [Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar], Bhutan. The deadline for the submission of Bids is: Date: [18/10/2021] Time: [09:30 AM] Bhutan time
ITB 32.1	The Bid Opening shall take place at: Address: [Administrative Block, Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar], Bhutan. Date: [18/10/2021] Time: [02:00 PM] Bhutan time.
F. EVALUATION AND COMPARISON OF BIDS	
ITB 39.1	Bid prices expressed in different currencies shall be converted into Ngultrum (BTN). The source of exchange rates shall be the Royal Monetary Authority of Bhutan. The date for the exchange rates shall be the date of Bid Opening, as prescribed in ITB Sub-Clause 32.1.
ITB 40.1	A margin of ten percent (10%) Domestic Preference [shall not] apply.
ITB 41.3 (a)	Evaluation will be done for [Items] <i>Bids will be evaluated for each item and the Contract will comprise the item(s) awarded to the successful Bidder.</i>

ITB 41.3 (e)	<p>The adjustments shall be determined using the following criteria from amongst those set out in Section III, Evaluation and Qualification Criteria: <i>[refer to Schedule III, Evaluation and Qualification Criteria; insert complementary details if necessary]</i></p> <p>(a) Deviation in payment schedule: <i>[No]</i></p> <p>(b) The cost of major replacement components, mandatory spare parts, and service: <i>[No]</i></p> <p>(c) The availability in Bhutan of spare parts and after-sales services for the equipment offered in the Bid <i>[No]</i></p> <p>(d) The projected operating and maintenance costs during the life of the equipment <i>[No]</i></p>
	(e) The performance and productivity of the equipment offered: <i>[No]</i>
ITB 41.6	Bidders <i>[“shall not”]</i> be allowed to quote separate prices for one or more lots.
G. AWARD OF CONTRACT	
ITB 47.1	<p>The maximum percentage by which quantities may be increased is <u><i>[shall be ascertained during the award of contract]</i></u></p> <p>The maximum percentage by which quantities may be decreased is <u><i>[shall be ascertained during the award of contract]</i></u></p>

SECTION III. EVALUATION AND QUALIFICATION CRITERIA	
1. Domestic Preference (ITB 40).....	36
2. Evaluation Criteria (ITB 41.3 (e))	36
3. Multiple Contracts (ITB 41.6)	37

1. Domestic Preference (ITB 40)

- 1.1. If the Bidding Data Sheet (BDS) so specifies, the purchaser may grant a margin of preference to goods manufactured in the Purchaser's country for the purpose of bid comparison, in accordance with the procedure outlined in subsequent paragraphs:
- 1.2. Bids will be classified in one of the three groups, as follows:
 - (a) Group A: Bids offering goods manufactured in Bhutan, for which (i) labour, raw materials and components form within the country account for more than thirty (30) percent of the EXW price; and (ii) the production facility in which they will be manufactured or assembled has been engaged in manufacturing or assembling such goods at least since the date of bid submission.
 - (b) Group B: All other bids offering Goods manufactured in Bhutan
 - (c) Group C: Bids offering Goods manufactured outside Bhutan that have been already imported or that will be imported.
- 1.3. The price quoted for goods in bids of Group A and B shall include all duties and taxes paid or payable on the basic materials or components purchased in the domestic market or imported, but shall exclude the sales and similar taxes on the finished product. The price quoted for goods in bids of Group C shall be on CIF or CIP (place of destination), which is exclusive of customs duties and other import taxes already paid or to be paid.
- 1.4. In the first step, all evaluated bids in each group shall be compared to determine the lowest bid in each group. Such lowest evaluated bids shall be compared with each other and if, as a result of this comparison, a bid from Group A or Group B is the lowest, it shall be selected for the award.
- 1.5. If as a result of preceeding comparison, the lowest evaluated bid is a bid from Group C, the lowest evaluated bid from Group C shall be further compared with the lowest evaluated bid from Group A after adding to the lowest evaluated price of goods offered in the bid from Group C, for the purpose of this further comparison only, an amount equal to five (5) percent of the CIF or CIP bid price. The lowest evaluated bid determined from this last comparison shall be selected for the award.

2. Evaluation Criteria (ITB 41.3 (e))

The Purchaser's evaluation of a Bid may take into account, in addition to the Bid Price quoted in accordance with ITB Sub-Clause 18.6, one or more of the following factors as specified in ITB Sub-Clause 41.3(e) and in the BDS referring to ITB Sub-Clause 41.3(e), using the following criteria and methodologies.

(a) Deviation in Payment Schedule. *(insert one of the following)*

(i) *Bidders shall state their Bid price for the payment schedule outlined in the SCC. Bids shall be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in Bid Price they wish to offer for such alternative payment schedule. The Purchaser may consider the alternative payment schedule and the reduced Bid Price offered by the Bidder selected on the basis of the base price for the payment schedule outlined in the SCC.*

or

(ii) The SCC stipulates the payment schedules specified by the Purchaser. If a Bid deviates from the schedule and if such deviation is considered acceptable to the Purchaser,

the Bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the Bid as compared with those stipulated in the SCC, at the rate per annum specified in BDS Sub-Clause 41.3 (e).

- (b) Cost of major replacement components, mandatory spare parts, and service. *(insert one of the following)*

(i) *The list of items and quantities of major assemblies, components and selected spare parts likely to be required during the initial period of operation specified in BDS Sub-Clause ITB 23.3 is in the List of Goods. An adjustment equal to the total cost of these items, at the unit prices quoted in each Bid, shall be added to the Bid Price, for evaluation purposes only.*

or

(ii) *The Purchaser will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in BDS Sub-Clause ITB 23.3. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the Bid Price, for evaluation purposes only.*

- (c) Availability in Bhutan of spare parts and after sales services for equipment offered in the Bid.

An adjustment equal to the cost to the Purchaser of establishing the minimum service facilities and parts inventories, as outlined in BDS Sub-Clause ITB 41.3 (e), if quoted separately, shall be added to the Bid Price, for evaluation purposes only.

- (d) Projected operating and maintenance costs.

Operating and maintenance costs. An adjustment to take into account the operating and maintenance costs of the Goods will be added to the Bid Price, for evaluation purposes only, if specified in BDS Sub-Clause ITB 41.3 (e). The adjustment will be evaluated in accordance with the methodology specified in the BDS Sub-Clause ITB 41.3 (e).

- (e) Performance and productivity of the equipment. *(insert one of the following)*

(i) Performance and productivity of the equipment. An adjustment representing the capitalized cost of additional operating costs over the life of the plant will be added to the Bid Price, for evaluation purposes, if specified in BDS Sub-Clause ITB 41.3(e). The adjustment will be evaluated based on the drop in the guaranteed performance or efficiency offered in the Bid below the norm of 100, using the methodology specified in BDS Sub-Clause ITB 41.3 (e).

or

(ii) An adjustment to take into account the productivity of the Goods offered in the Bid will be added to the Bid Price, for evaluation purposes only, if specified in BDS Sub-Clause ITB 41.3 (e). The adjustment will be evaluated based on the cost per unit of the actual productivity of the Goods offered in the Bid with respect to minimum required values, using the methodology specified in BDS Sub-Clause ITB 41.3 (e).

- (f) Specific additional criteria

Other specific additional criteria to be considered in the evaluation, and the evaluation method, shall be detailed in BDS Sub-Clause ITB 41.3 (e)]

3. Multiple Contracts (ITB 41.6)

The Purchaser shall award multiple contracts to the Bidder that offers the lowest evaluated combination of Bids (one contract per Bid).

The Purchaser shall:

- (a) evaluate only lots or contracts that include at least the percentages of items per lot and quantity per item as specified in ITB Sub-Clause 18.7.
- (b) take into account:
 - (i) the lowest-evaluated Bid for each lot; and
 - (ii) the price reduction per lot and the methodology for its application as offered by the Bidder in its Bid.

SECTION IV. BIDDING FORMS**TABLE OF FORMS**

Bid Submission Sheet	42
Price Schedule Forms.....	44
Price Schedule: Goods Manufactured Outside The Purchaser's Country, To Be Imported.....	45
Price Schedule: Goods Manufactured Outside The Purchaser's Country, Already Imported*	46
Price Schedule: Goods Manufactured In Bhutan.	47
Price And Completion Schedule - Related Services	48
Manufacturer's Authorization.....	50
Integrity Pact.....	51
Letter Of Intent.....	54

Bidder Information Form

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

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

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

Page _____ of _____ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. In the case of a Joint Venture, Consortium or Association (JV/C/A) legal name of each party: <i>[insert legal name of each party in JV/C/A]</i>
3. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
4. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> E-mail Address: <i>[insert Authorized Representative's e-mail address]</i>
7. Attached are copies of the following original documents: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1 above, in accordance with ITB Sub-Clause 3.1. <input type="checkbox"/> In the case of a JV/C/A, letter of intent to form the JV/C/A, or the JV/C/A agreement, in accordance with ITB Sub-Clause 24.1 (c) (v). <input type="checkbox"/> In the case of a government owned entity from Bhutan, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 3.3. <input type="checkbox"/> Power of attorney authorizing the signatory of the Bid to sign on behalf of the Bidder.

Joint Venture, Consortium or Association (JV/C/A) Partner Information Form

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

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

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

Page _____ of _____ pages

1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>
2. JV/C/A Party's legal name: <i>[insert JV/C/A Party's legal name]</i>
3. JV/C/A Party's Country of Registration: <i>[insert JV/C/A Party's country of registration]</i>
4. JV/C/A Party's Year of Registration: <i>[insert JV/C/A Party's year of registration]</i>
5. JV/C/A Party's Legal Address in Country of Registration: <i>[insert JV/C/A Party's legal address in country of registration]</i>
6. JV/C/A Party's Authorized Representative Information Name: <i>[insert name of JV/C/A Party's authorized representative]</i> Address: <i>[insert address of JV/C/A Party's authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV/C/A Party's authorized representative]</i> E-mail Address: <i>[insert e-mail address of JV/C/A Party's authorized representative]</i>
7. Attached are copies of the following original documents: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2 above, in accordance with ITB Sub-Clause 3.1. <input type="checkbox"/> In the case of a government owned entity from Bhutan, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 3.3.

Bid Submission Sheet

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

Date: [insert date of Bid submission]

Invitation for Bid No.: [insert number of IFB]

Alternative No.: [insert number, if this Bid is for an alternative]

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 No.: [insert the number and date of issue of each addendum];
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Supply the following Goods and Related Services: [insert a brief description of the Goods and Related Services];
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is: [insert the Bid Price in words and figures, indicating the various amounts and their respective currencies];
- (d) The discounts offered and the methodology for their application are:

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 methodology:

[Specify in detail the methodology that shall be used to apply the discounts];

- (e) Our Bid shall be valid for a period of [insert number] days from the date fixed for the Bid submission deadline in accordance with ITB Sub-Clause 29.1, and it shall remain binding upon us and may be accepted at any time before expiry of that period;
- (f) If our Bid is accepted, we commit to provide a Performance Security in accordance with ITB Clause 51 and GCC Clause 19 for the due performance of the Contract;
- (g) We are not participating, as Bidders, in more than one Bid in this bidding process, other than any alternative offers submitted in accordance with ITB Clause 17;
- (h) We, including any subcontractors or suppliers for any part of the Contract, have nationality from eligible countries, viz: [insert the nationality of the Bidder, including that of all parties that comprise the Bidder if the Bidder is a JV/C/A, and the nationality each subcontractor and supplier]
- (i) We have no conflict of interest pursuant to ITB Sub-Clause 3.2;
- (j) Our firm, its affiliates or subsidiaries - including any subcontractors or suppliers for any part of the contract - has not been declared ineligible by the Purchaser under the laws or official regulations of Bhutan, in accordance with ITB Sub-Clause 3.4;
- (k) The following commissions, gratuities or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: [insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]

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

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

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

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

In the capacity of _____ *[insert legal capacity of person signing the Bid Submission Sheet]*

Name: _____ *[insert complete name of person signing the Bid Submission Sheet]*

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

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

Price Schedule Forms

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

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

(Group C Bids, goods to be imported) Currencies in accordance with ITB 17								Date: _____ RFB No: _____ Alternative No: _____ Page N° <input type="checkbox"/> of _____
1	2	3	4	5	6	7	8	9
Line Item N°	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price cip <i>[insert place of destination]</i> in accordance with ITB 18.6(b)(i)	CIP Price per line item (Col. 5x6)	Price per line item for inland transportation and other services required in the Purchaser's Country to convey the Goods to their final destination specified in BDS	Total Price per Line item (Col. 7+8)
<i>[insert number of the item]</i>	<i>[insert name of good]</i>	<i>[insert country of origin of the Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price CIP per unit]</i>	<i>[insert total CIP price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[insert total price of the line item]</i>
Total Price								

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

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

Section IV. Bidding Forms

(Group C Bids, Goods already imported)									Date: _____		
Currencies in accordance with ITB 20									RFB No: _____		
									Alternative No: _____		
									Page N° <u> </u> of <u> </u>		
1	2	3	4	5	6	7	8	9	10	11	12
Line Item N°	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price including Custom Duties and Import Taxes paid, in accordance with ITB 18.6(c)(i)	Custom Duties and Import Taxes paid per unit in accordance with ITB 18.6(c)(ii) , [to be supported by documents]	Unit Price net of custom duties and import taxes, in accordance with ITB 18.6 (c) (iii) (Col. 6 minus Col.7)	Price per line item net of Custom Duties and Import Taxes paid, in accordance with ITB 18.6(c)(i) (Col. x58)	Price per line item for inland transportation and other services required in the Purchaser's Country to convey the goods to their final destination, as specified in BDS in accordance with ITB 18.6 (c)(v)	Sales and other taxes paid or payable per item if Contract is awarded (in accordance with ITB 18.6(c)(iv)	Total Price per line item (Col.9+10+11)
[insert number of the item]	[insert name of Goods]	[insert country of origin of the Good]	[insert quoted Delivery Date]	[insert number of units to be supplied and name of the physical unit]	[insert unit price per unit]	[insert custom duties and taxes paid per unit]	[insert unit price net of custom duties and import taxes]	[insert price per line item net of custom duties and import taxes]	[insert price per line item for inland transportation and other services required in the Purchaser's Country]	[insert sales and other taxes payable per item if Contract is awarded]	[insert total price per line item]
										Total Bid Price	

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

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

Price Schedule: Goods Manufactured in Bhutan.

Currencies in accordance with ITB Clause 18								Date: _____ IFB No: _____ Alternative No: _____ Page No: _____ of _____	
1	2	3	4	5	6	7	8	9	10
Line Item N°	Description of Goods	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price EXW	Total EXW price per line item (Col. 4x5)	Price per line item for inland transportation, insurance and other services required in Bhutan to convey the Goods to their final destination (project Site)	Cost of local labor, raw materials and components with origin in Bhutan % of Col. 5	Sales and other taxes payable per line item if Contract is awarded [in accordance with ITB Sub-Clause 18.6 (a) (ii)]	Total Price per line item (Col. 6+7+9)
<i>[insert number of the item]</i>	<i>[insert name of Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the Physical unit]</i>	<i>[insert EXW unit price]</i>	<i>[insert total EXW price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[Insert cost of local labor, raw material and components from within Bhutan as a % of the EXW price per line item]</i>	<i>[insert sales and other taxes payable per line item if Contract is awarded]</i>	<i>[insert total price per item]</i>
								Total Price	

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

Price and Completion Schedule - Related Services

48

Currencies in accordance with ITB Clause 18					Date: _____ IFB No: _____ Alternative No: _____ Page No: _____ of _____	
1	2	3	4	5	6	7
Service N°	Description of Services (excludes inland transportation and other services required in Bhutan to convey the Goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	Unit price	Total Price per Service (Col. 5*6 or estimate)
<i>[insert number of the Service]</i>	<i>[insert name of Services]</i>	<i>[insert country of origin of the Services]</i>	<i>[insert delivery date at place of final destination per Service]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price per item]</i>	<i>[insert total price per item]</i>
Total Bid Price						

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

Bid Security (Bank Guarantee)

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

[insert Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ *[Name and Address of Purchaser]*

Date: _____

BID GUARANTEE No.: _____

We have been informed that *[insert name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its Bid dated (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 figures]* (*[insert amount in words]*) 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 Form of Bid; or
- (b) 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 Form; or (ii) fails or refuses to furnish the Performance Security, if required, in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract 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) thirty days after the expiration of the Bidder's Bid.

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

[signature(s)]

Manufacturer's Authorization

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

Date: *[insert date of Bid Submission]*

Invitation for Bid No.: *[insert IFB number]*

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

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(es) of the Manufacturer's factory/ies]*, do hereby authorize *[insert complete name of Bidder]* to submit a Bid in relation to the Invitation for Bids indicated above, the purpose of which is to provide the following Goods, manufactured by us, namely *[insert name and/or brief description of the Goods]*, and subsequently to negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 29 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

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

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

Title: *[insert title(s) of the authorized representative(s) of the Manufacturer]*

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

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

INTEGRITY PACT

1. General:

Whereas (*Name of head of the procuring agency or his/her authorized representative, with power of attorney*) representing the (*Name of procuring agency*), Royal Government of Bhutan, hereinafter referred to as the “**Employer**” on one part, and (*Name of bidder or his/her authorized representative, with power of attorney*) representing M/s. (*Name of firm*), hereinafter referred to as the “**Bidder**” on the other part hereby execute this agreement as follows:

This agreement shall be a part of the standard bidding document, which shall be signed by both the parties at the time of purchase of bidding documents and submitted along with the tender document. This IP is applicable only to “**large**” scale works, goods and services, the threshold of which will be announced by the government from time to time. The signing of the IP shall not apply to framework contracting such as annual office supplies etc.

2. Objectives:

Whereas, the Employer and the Bidder agree to enter into this agreement, hereinafter referred to as IP, to avoid all forms of corruption or deceptive practice by following a system that is fair, transparent and free from any influence/unprejudiced dealings in the **bidding process**¹⁵ and **contract administration**¹⁶, with a view to:

- 2.1. Enabling the Employer to obtain the desired contract at a reasonable and competitive price in conformity to the defined specifications of the works or goods or services; and
- 2.2. Enabling bidders to abstain from bribing or any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also refrain from bribing and other corrupt practices.

3. Scope:

The validity of this IP shall cover the bidding process and contract administration period.

4. Commitments of the Employer:

The Employer Commits itself to the following:-

- 4.1. The Employer hereby undertakes that no officials of the Employer, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process and contract administration.
- 4.2. The Employer further confirms that its officials shall not favor any prospective bidder in any form that could afford an undue advantage to that particular bidder in the bidding process and contract administration and will treat all Bidders alike.

¹⁵ Bidding process, for the purpose of this IP, shall mean the procedures covering tendering process starting from bid preparation, bid submission, bid processing, and bid evaluation.

¹⁶ Contract administration, for the purpose of this IP, shall mean contract award, contract implementation, un-authorized sub-contracting and contract handing/takingover.

- 4.3. Officials of the Employer, who may have observed or noticed or have reasonable suspicion shall report to the head of the employing agency or an appropriate government office any violation or attempted violation of clauses 4.1 and 4.2.
- 4.4. Following report on violation of clauses 4.1 and 4.2 by official (s), through any source, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings shall be initiated by the Employer and such a person shall be debarred from further dealings related to the bidding process and contract administration.

5. Commitments of Bidders

The Bidder commits himself/herself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of the bidding process and contract administration in order to secure the contract or in furtherance to secure it and in particular commits himself/herself to the following :-

- 5.1. The Bidder shall not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Employer, connected directly or indirectly with the bidding process and contract administration, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding process and contract administration.
- 5.2. The Bidder shall not collude with other parties interested in the contract to manipulate in whatsoever form or manner, the bidding process and contract administration.
- 5.3. If the bidder(s) have observed or noticed or have reasonable suspicion that the provisions of the IP have been violated by the procuring agency or other bidders, the bidder shall report such violations to the head of the procuring agency.

6. Sanctions for Violation:

The breach of any of the aforesaid provisions shall result in administrative charges or penal actions as per the relevant rules and laws.

- 6.1. The breach of the IP or commission of any offence (forgery, providing false information, mis-representation, providing false/fake documents, bid rigging, bid steering or coercion) by the Bidder, or any one employed by him, or acting on his/her behalf (whether with or without the knowledge of the Bidder), shall be dealt with as per the terms and conditions of the contract and other provisions of the relevant laws, including De-barment Rules.
- 6.2. The breach of the IP or commission of any offence by the officials of the procuring agency shall be dealt with as per the rules and laws of the land in vogue.

7. Monitoring and Administration:

- 7.1. The respective procuring agency shall be responsible for administration and monitoring of the IP as per the relevant laws.
- 7.2. The bidder shall have the right to appeal as per the arbitration mechanism contained in the relevant rules.

Letter of Intent

(Letterhead paper of the Employer)

Notes on standard form of letter of Intent

This issuance of Letter of Intent (always before letter of acceptance) is the information of the selection of the bid of the successful bidder by the Employer and for providing information to other unsuccessful bidders who participated in the bid as regards the outcome of the procurement process

The Employer shall allow 10 days as described in ITB 35.2 between this letter of intent and letter of acceptance to allow aggrieved bidders to complaint the decision if they feel they have treated unfairly.

(Insert date)

To: _____ *[Name and address of the Supplier]*

This is to notify you that, it is our intention to award the contract for your Bid dated-----
 -----*[Insert date]* for execution of the-----*[Insert name of the contract and identification number, as given in the BDS/SCC]* for the Contract Price of-----
 -----*[Insert amount in figure and words and name of currency]* as corrected and modified *[if any corrections]* in accordance with the Instructions to Bidders or *(for item-wise contract insert list of items price schedule as attachement)*

Authorized Signature: -----

Name and Title of Signatory:-----

Name of Agency: -----

CC:

[Insert name and address of all other suppliers who submitted the bid]

SECTION V: ELIGIBLE COUNTRIES

Eligibility for the Provision of Goods and Related Services in RGoB-financed Procurement

The RGoB permits firms and individuals from all countries to offer Goods and Related Services for RGoB-financed projects. As an exception, firms of a Country, Goods manufactured in a Country or services provided from or by a Country may be excluded if:

- 1.1. as a matter of law or official regulation, the RGoB prohibits commercial relations with that Country; or
- 1.2. 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 RGoB prohibits any import of Goods from that Country or any payments to persons or entities in that Country.

For the information of Bidders, at the present time firms, Goods and Services from the following countries are excluded from this bidding:

- (a) With reference to Paragraph 1.1 above:

[insert list of countries prohibited under the law or official regulations of Bhutan]

- (b) With reference to Paragraph 1.2 above:

[insert list of countries which are barred under UN Security Council Chapter VII]

PART 2

SUPPLY REQUIREMENTS

SECTION VI: SCHEDULE OF SUPPLY

1. List of Goods and Delivery Schedule 60

2. List of Related Services and Completion Schedule..... 61

3. Technical Specifications 62

4. Drawings64

5. Inspections and Tests 65

Notes for Preparing the Schedule of Supply

The Schedule of Supply shall be included in the Bidding Documents by the Purchaser, and shall cover, at a minimum, a description of the Goods and Services to be supplied and the delivery schedule.

The objective of the Schedule of Supply is to provide sufficient information to enable Bidders to prepare their Bids efficiently and accurately, in particular the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Supply, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of Contract pursuant to ITB Clause 47.

The date or period for delivery should be carefully specified, taking into account (a) the implications of delivery terms stipulated in the Instructions to Bidders pursuant to the *Incoterms* rules (i.e., EXW; or CIF, CIP, FOB, FCA where “delivery” takes place when the Goods are delivered **to the carriers**), and (b) the date prescribed herein from which the Purchaser’s delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

1. List of Goods and Delivery Schedule

[The Purchaser shall fill in this table, with the exception of the column “Bidder’s Offered Delivery Date”, which is to be filled by the Bidder]

Line Item N°	Description of Goods	Quantity	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery Date		Bidder’s Offered Delivery Date [to be provided by the Bidder]
1	Digital Earth Resistance Tester (20Ω-2000 Ω)	02	Nos.	Jigme Namgyel Engineering College, Dewathang Samdrup Jongkhar, Bhutan	45 days	60 days	
2	High Voltage Motor Control and PFC Developer's Kit	01	Set		45 days	60 days	
3	Cable Fault Locator,CFL-02 Metravi Make or equivalent	01	No.				
4	Single Phase Auto Transformer	02	Nos.				
5	Step Down Chopper	02	Nos.				
6	Three Phase Over Current & Earth Fault Numeric Relay Testing	01	No.				
7	Variacs/Dimmerstat/ Auto Transformer	02	Nos.				
8	Variacs/Dimmerstat/ Auto Transformer	02	Nos.				
9	DC Regulated Power Supply	01	No.				
10	DC Machine Lab – I	01	No.				
11	Single and Three Phase Resistive Load	01	No.				
12	Power Measurement by Three Voltmeter & Three Ammeter Method	01	No.				
13	Single and Three Phase Electrical Measurement Training System.	01	Set				
14	Understanding Characteristics of DIAC, TRIAC & SCR	01	Set				
15	Step down chopper	02	Sets				

16	Power Electronics Lab Trainer	02	Sets				
17	Experimentation with BJT Ampilfiers and Emitter Follower	03	Nos.				
18	Lissajous Pattern Trainer	02	Nos.				
19	Understanding and Experimentation with Digital Ics	02	Nos.				
20	Counters Trainer	02	Nos.				
21	SOP & POS Implementation Trainer	02	Nos.				
22	Operational Amplifier Lab	02	Nos.				
23	Experimentation with Transistor Characteristics	04	Nos.				
24	Experimentation with Astable and Monostable Multivibrator	04	Nos.				
25	Power and Differential Amplifier	02	Nos.				
26	Digital Oscilloscopes	04	Nos.				
27	Understanding Wien Bridge	02	Nos.				
28	Study of Temperature Transducers	02	Nos.				
29	Study of LVDT	02	Nos.				
30	Potentiometric Displacement Sensor	02	Nos.				
31	Study of Load Cell	02	Nos.				
32	Digital Oscilloscopes	04	Nos.				
33	Moving coil educational Desk stand meter	01	Set				
34	Moving coil educational Desk stand meter	01	Set				
35	Moving coil educational Desk stand meter	01	Set				
36	Moving coil educational Desk stand meter	01	Set				
37	Block Codes	02	Sets				
38	8051 Universal Development Platform	03	Sets				
39	8085 Microprocessor Trainer	02	Sets				

2. List of Related Services and Completion Schedule

1. The Supplier is required to supply, install, demonstrate and commission the usage of equipment to the college within 60 days from the issuance of the Supply Order.
2. All incidental costs for freight, local transportation, loading and unloading shall be borne by the supplier.

3. Technical Specifications

The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The Purchaser shall prepare the detailed TS taking into account that:

- *The TS constitute the benchmarks against which the Purchaser will verify the technical responsiveness of Bids and subsequently evaluate the Bids. Therefore, well-defined TS will facilitate preparation of responsive Bids by Bidders, as well as examination, evaluation and comparison of the Bids by the Purchaser.*
- *The TS shall require that all goods and materials to be incorporated in the Goods be new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided for otherwise in the Contract.*
- *The TS shall make use of best practices. Samples of specifications from successful similar procurements may provide a sound basis for drafting the TS.*
- *Standardizing technical specifications may be advantageous, depending on the complexity of the Goods and the repetitiveness of the type of procurement. Technical Specifications should be broad enough to avoid restrictions on workmanship, materials and equipment commonly used in manufacturing similar kinds of Goods.*
- *Standards for equipment, materials and workmanship specified in the Bidding Documents shall not be restrictive. Recognized international standards should be specified as much as possible. Reference to brand names, catalogue numbers or other details that limit any materials or items to a specific manufacturer should be avoided as far as possible. Where unavoidable, such item description should always be followed by the words "or equivalent or higher." When other particular standards or codes of practice are referred to in the TS a statement should follow to the effect that other authoritative standards that ensure at least a substantially equal quality will also be acceptable.*
- *Technical Specifications shall be fully descriptive of the requirements in respect of, but not limited to, the following:*
 - (a) *Standards of materials and workmanship required for the production and manufacturing of the Goods.*
 - (b) *Detailed tests required (type and number).*
 - (c) *Other additional work and/or Related Services required to achieve full delivery/ completion.*
 - (d) *Detailed activities to be performed by the Supplier, and participation of the Purchaser therein.*
 - (e) *List of detailed functional guarantees covered by the Warranty and the specification of the liquidated damages to be applied in the event that such guarantees are not met.*
- *The TS shall specify all essential technical and performance characteristics and requirements, including guaranteed or acceptable maximum or minimum values, as appropriate. Whenever necessary, the Purchaser shall include an additional ad-hoc bidding form (to be an Attachment to the Bid Submission Sheet), where the Bidder shall provide detailed information on such technical performance characteristics in respect of the corresponding acceptable or guaranteed values.*

When the Purchaser requests that the Bidder provides in its Bid a part or all of the Technical Specifications, technical schedules or other technical information, the Purchaser shall specify in detail the nature and extent of the required information and the manner in which it has to be presented by the Bidder in its Bid.

[If a summary of the Technical Specifications (TS) has to be provided, the Purchaser shall insert information in the table below. The Bidder shall prepare a similar table to justify compliance with the requirements]

“Summary of Technical Specifications. The Goods and Related Services shall comply with following Technical Specifications and Standards:

Item No	Name of Goods or Related Service	Technical Specifications and Standards
1	Digital Earth Resistance Tester (20Ω-2000 Ω)	Three Measurement ranges:20Ω,200Ω,2000 Ω 3 pole/ 2- pole earth resistance measurement. Backlight fuction, Safety design compliant to IEC61010, Data hold function. Zero Adjust ,Auto Power –off function, Capable of measuring earth Voltage, 2 mA measuring current.
2	High Voltage Motor Control and PFC Developer's Kit	(Texas Instruments’) or equivalent) Technical Specifications <input type="checkbox"/> Three phase inverter baseboard with interface to accept DIMM100 controlCARDS <input type="checkbox"/> XDS100v1 USB to JTAG emulation (with additional UART) <input type="checkbox"/> 3-phase motor inverter stage rated for 1KW loads <input type="checkbox"/> Two phase interleaved power factor correction stage rated to 750W (no software examples) <input type="checkbox"/> 85-132 VAC / 170-250 VAC input <input type="checkbox"/> Isolated CAN communications interface <input type="checkbox"/> Isolated UART communications interface <input type="checkbox"/> Isolated USB JTAG emulation <input type="checkbox"/> Four PWM DACs for observation and debug of system variables through an oscilloscope <input type="checkbox"/> Over-current protection for PFC stages and inverter stage via MCU PWM trip functionality
3	Cable Fault Locator,CFL-02 Metravi Make or equivalent	Technical Specifications Max & min fault resistances: 0 Ohms to 10 meg Ohms as measured with an avo meter. Max cable length: 5 km for all cases. Accuracy: ± 5% or better. Type of cables: all type of underground Power, Control & Telecom cables. Power source: 1.2 Volts AAA battery.
4	Single Phase Auto Transformer	Input:230V± 10%,50Hz,out put:0- 300
5	Step Down Chopper	On board firing circuit : Triangular wave comparator scheme Frequency variation : 27 Hz to 5 KHz (approx.) PWM variation : 0 - 90% DC motor : 24 V / 0.5 A, 100 RPM Interconnections : 2 mm sockets SCR assembly : SCR 2P4M, 400V/2A Test points : 5 nos Mains Supply : 220/110V, 50 Hz / 60Hz

		<p>Dimensions (mm) : W 420 x D 255 x H 100 Weight : 1 Kg. (approximately)</p> <p>Operating Conditions: 0-40 C, 85% RH Included Accessories: 2mm Patch cords (Red) 16"-1 no. 2mm Patch cords (Black) 16"-1 no. 2mm Patch cords (Blue) 16"-8 nos. Mains cord-1 no.</p>
6	Three Phase Over Current & Earth Fault Numeric Relay Testing	<p>Mains Supply : Three Phase, 415V \pm10%, 50Hz</p> <p>Auxiliary Supply : 230V \pm10%, 50Hz</p> <p>Display Measurements</p> <p>Current Input : >100mA</p> <p>Time Accuracy : 1 Second</p> <p>Over Current and Earth Fault Relay</p> <p>Input Current : Suitable for CT Secondary 5A (or) 1A</p> <p>Pick up : Within 1.1 times of set value</p> <p>Reset value : 90% to 95% of pickup</p> <p>Auxiliary Supply : 18-250V AC/DC</p> <p>MCB (TPN) : 10A</p> <p>Dimensions (mm) : W 560 x D 350 x H 420</p> <p>Weight : 33kg (approximate)</p>
7	Variacs/Dimmerstat/ Auto Transformer	<p>P1-Variacs: Single Phase Portable Table/ Floor Mounting Enclosed.</p> <p>Input: 230V AC</p> <p>Output : 0-270V AC, 50Hz</p> <p>Current Rating : 10A</p> <p>Order Code:10P1</p> <p>MAKE: TESCA or equivalent</p>
8	Variacs/Dimmerstat/ Auto Transformer	<p>Technical Specifications</p> <p>P3-Variacs: Three Phase Portable Table/ Floor Mounting Enclosed.</p> <p>Input: 415V AC</p> <p>Output : 0-470V AC, 50Hz</p> <p>Current Rating : 15A</p> <p>Order Code: 15P3</p> <p>Model Code: TESCA or equivalent.</p>
9	DC Regulated Power Supply	<p>Input Mains : 230V AC \pm 10%, 50Hz</p> <p>DC Output Voltage</p> <p>Fixed : 220V \pm 10%, 2A</p> <p>Variable : 0 - 220V \pm 10%, 12A</p> <p>Digital Voltmeter : 300V</p> <p>Digital Ammeter : 20A</p> <p>Single Phase MCB : 16A</p> <p>Dimensions (mm) : W 450 x D 250 x H 340</p> <p>Weight: 9kg (approximate)</p> <p>Model Code: Nvis725A (or equivalent).</p>
10	DC Machine Lab – I	<p>Machine Specifications: Both the machines are flexibly coupled and mounted on a “C” Channel base</p> <p>DC Machines (2 Nos.)</p>

		<p>Type : Shunt, Rating : 1HP</p> <p>Voltage Rating : 220V \pm 10%</p> <p>Speed : 1500 RPM \pm 7.5%</p> <p>Insulation : Class 'B'</p> <p>Digital Meters used</p> <p>DC Voltmeter : 300V (2 Nos.), DC Ammeter : 5A (4 Nos.)</p> <p>Digital Tachometer : 20,000 RPM</p> <p>Model Code: Nvis7007 or equivalent.</p>
11	Single and Three Phase Resistive Load	<p>Single Phase Operation</p> <p>Voltage : 240V AC \pm 10%, 50Hz, Current : 15A, Power : 3.5kW, Loading steps : 15, MCBs : Current rating : 10A (SP), No. of MCBs : 15.</p> <p>Three Phase Star Operation</p> <p>Voltage : 415V AC \pm 10%, 50Hz, Current : 5A (Per Phase), Power : 3.5kW</p> <p>Loading steps : 5 (Per Phase), MCBs (acts as a switch) : 10A (SP)</p> <p>Three Phase Delta Operation</p> <p>Voltage : 415V AC \pm 10%, 50Hz, Current : 15A (Per Phase), Power : 10.5kW</p> <p>Loading steps : 5 (Per Phase), MCBs : Current rating : 10A (SP), No. of MCBs : 15.</p> <p>Auxiliary Supply for Fan : 230V AC, 50Hz, Star/Delta Switch : 415V, 25A</p> <p>MCB : 16A (TPN), Dimensions (mm) : 460 W x 740 D x 590 H</p> <p>Weight : 45kg (approximate)</p> <p>List of Included Accessories : Learning Material, Patch Cords</p> <p>Model Code: Nvis7067 or equivalent.</p>
12	Power Measurement by Three Voltmeter & Three Ammeter Method	<p>Mains supply : 230V\pm10%, 50Hz</p> <p>Auxiliary supply : 230V\pm10%, 50Hz</p> <p>Choke Coil : 300mH, 5A</p> <p>Voltmeter : 0-500V (3 Nos.)</p>

		<p>Ammeter : 0-5A (3 Nos.)</p> <p>MCB : 5A</p> <p>Dimensions(mm) : W 600 x D 350 x H 450</p> <p>Weight : 17kg (approximate)</p> <p>Optional</p> <p>Single Phase Variac : 0-230V, 5A</p> <p>Rheostat : 45Ω, 5A</p> <p>Nvis 7062 or equivalent.</p>
13	Single and Three Phase Electrical Measurement Training System.	<p>Single Phase : 230V AC \pm 10%, 50 Hz</p> <p>Three Phase : 415V AC \pm 10%, 50 Hz</p> <p>DOL Starter</p> <p>Contactor : 9A AC, 230V AC, 50 Hz ,11VA Coil.</p> <p>Bi-metallic thermal O/L relay : 1 A AC - 2.5A AC</p> <p>Digital Meters</p> <p>Single Phase measurement : Voltage, current, frequency, active power, reactive power, apparent power and power factor.</p> <p>Three Phase measurement : Line voltage & current, phase voltage & current, frequency active power, reactive power,apparent power, power factor and energy.Potential Transformer(2 nos.)</p> <p>Primary : 230V AC</p> <p>Secondary : 24V AC</p> <p>Current Transformer(2 nos.)</p> <p>Primary : 5A AC</p> <p>Secondary : 1A AC</p> <p>Electrical Loads (Compatible with single and three phase supply) - optional</p> <p>Resistive Load : 2.5A AC/phase</p> <p>Inductive Load : 1.5A AC/phase</p>

		Capacitive Load : 2.5A AC/phase MCB (TPN) : 415 V AC, 2A AC
14	Understanding Characteristics of DIAC, TRIAC & SCR	Nvis 6530A or equivalent Mains power supply : 90 - 270V \pm 10%, 50Hz Fixed DC power supply : +15V, Regulated +35V, Regulated -35V, RegulatedBread Board Dimension (mm) : 75 x 61 x 10 Distribution strips : 2 Terminal strips : 1 Distribution holes : 200 Terminal holes : 640 DIAC : DB3 TRIAC : BT136 SCR : TYN616Resistor Bank M.F.R. 2.2K 1% 1/4W (3 Nos.) M.F.R. 470E 1% 1/4W (3 Nos.) M.F.R. 1K 1% 5W (3 Nos.) M.F.R. 4.7K 1% 5W (3 Nos.) M.F.R. 1K 1% 10W (3 Nos.)Variable Resistance bank 5K 10 turn Potentiometer (2 Nos.) Voltmeter Range : 0V to 99V Ammeter Range : 0mA to 20mA Weight : 2.5kg (approximate) Dimensions (mm) : W 350 x D 280 x H 55
15	Step down chopper	On board firing circuit : Triangular wave comparator scheme Frequency variation : 27 Hz to 5 KHz (approx.) PWM variation : 0 - 90% DC motor : 24 V / 0.5 A, 100 RPM Interconnections : 2 mm sockets SCR assembly : SCR 2P4M, 400V/2A Test points : 5 nos Mains Supply : 220/110V, 50 Hz / 60Hz. Scientech2722 or equivalent
16	Power Electronics Lab Trainer	Reference: PET400 or Equivalent Bread Board :unique-solder-less large size ,spring loaded breadboard consisting of two terminal strips with 1280 tie points &4 distribution strips with 100 tie points each ,totaling to 1680 tie points . Size 112mmx170mm approx).DC POWER SUPPLY:Y: \pm 5V at 100 mA, \pm 12V at 150 mA, \pm 15V at

		<p>50 mA & $\pm 35V$ at 50 mA, AC POWER SUPPLY: 18V-0V-18V at 50mA, & 15V-0V-15V at 50mA. Triggering CIRCUIT: 5 gate signal output, frequency range : 40Hz to 900 Hz variable , Amplitude: 12V PWM control of G1 , G2, G3, & G4 duty cycle control of "gate" signal is 0-100%. Single phase rectifier: firing angle control 0° to 180° Variables. Pulse amplifier and isolation transformer: firing circuit four gates signal output with isolation. SCR Assembly: 2p4M/04, 600V, 2A. Power Devices: IGBT-G4BC20S, MOSFET-IRF540, UGT-2N2646, DIAC-DB3, TRAIC-BT136, PUT-2N6027, SCR-TYN-612/02. Circuit components: Capacitor 0.01μF, 0.047μF, 0.1μF, 0.33μ, 1/63V04, 2.2μ/50V. Diode in 4007/08, zener diode 9V, inductors 10mH, 68mH/02. Resistance 22E/5W, 100E/2W, 220E/2W. Resistance 0.25W 10K/03, 22K, 33K, 47, Potentiometer: 4k7/02, 1M. Load resistance : 120E, 270E, 1K, 2K2, EACH 5W. Pulse Transformer: 1:1/02 and 1:1:1. Toggle Switch: SPST. Power requirements: 230V $\pm 10\%$, 50Hz.</p>
17	Experimentation with BJT Amplifiers and Emitter Follower,	<p>Nevis or equivalent</p> <p>Features: Easy illustration of Multistage Amplifier and Emitter Follower : In built Sine Wave Generator with variable frequency and amplitude : In built DC power supply. DC power supply : +12V, +5V : Fuse : 500mA, slow blow: Sine wave generator: Frequency : 10Hz - 100kHz $\pm 10\%$: Amplitude : 0 to 5Vpp: Mains supply : 230V $\pm 10\%$, 50Hz</p>
18	Lissajous Pattern Trainer,	<p>Nevis or equivalent</p> <p>Mains Supply : 230V $\pm 10\%$, 50Hz, Inbuilt DC Supply : +12 V, 500 mA, Signal Generators, Frequency : 10 Hz to 100 kHz, Amplitude : 0 to 5Vpp Dimensions (in mm) : W 300 \times D 65 \times H 230, Weight : 1kg (approx.) . Inbuilt Sine wave Generators, Study of Lissajous figures, Unknown frequency calculation using Lissajous figures, RLC resonance frequency calculation using Lissajous figures, Phase Difference calculation using Lissajous figures</p>
19	Understanding and Experimentation with Digital Ics,	<p>Nevis or equivalent</p> <p>90V - 250V, 50Hz, Fixed DC Power Supply : +12V, -12V, +5V, -5V, Fixed TTL Generator : 1Hz, 10Hz, 100Hz, 1kHz, 10kHz and 100kHz, Pulse Generator : 5V, ZIF Socket : 20 Pins (6 Nos.), 40 Pins (1 No.) Input Section : 12 toggle switches, Output Section : 12 LED indicator Display : 7 Segment (2 Nos.), Dimension (mm) : W 350 x D 280 x H 55. Illustration of Combinational and Sequential circuits • ZIF Socket provided for easy connections • Compact size • Simultaneous use of multiple ICs • Online product tutorial</p>
20	Counters Trainer,	<p>Nevis or equivalent</p> <p>DC Power Supply : +5V DC. Logic levels +5V : High (Logic 1) 0V : Low (Logic 0) LED Indication : LED will be ON for logic high or '1' state and will be OFF for logic low or '0' state. Dimensions (mm) : W 260 x D 355 x H 125. Stand Alone system • Easy illustration of different types of counters • LEDs for visual indication of input and output logic states • SPDT switches for input logic selection • Online product tutorial</p>
21	SOP & POS Implementation Trainer,	<p>Nevis or equivalent</p> <p>DC Power Supply : +5V DC Logic levels +5V : High (Logic 1) 0V : Low (Logic 0) LED Indication : LED will be ON for logic high or '1' state and will be OFF for logic low or '0' state Dimensions (mm) : W 260 x D 355 x H 125. Stand alone system • Easy illustration of different types of canonical forms • LEDs for visual indication of input and output logic states • SPDT switches for input logic selection • Online product tutorial. Study of boolean function in different canonical forms • Study of Quine Mcclusky method and realize its NOR-OR implementation</p>

22	Operational Amplifier Lab,	<p>Nevis or equivalent</p> <p>Mains Power Supply : 90 - 270V $\pm 10\%$, 50Hz (SMPS) Fixed DC Power Supply : +12V, Regulated -12V, Regulated +5V, Regulated -5V, Regulated Variable DC Power Supply : +1.5V to +10V Regulated : -1.5V to -10V Regulated. Function Generator- Sine Wave Frequency : 1KHz to 100KHz Frequency Control : 100KV, 10 turn Potentiometer Amplitude : 0V to 5Vpp Amplitude Control : 100KV, Single turn Potentiometer Triangular Wave Frequency : 1KHz to 100KHz Frequency Control : 100KV, 10 turn Potentiometer Amplitude : 0V to 5Vpp Amplitude Control : 100KV, Single turn Potentiometer Square Wave Frequency : 1KHz to 100KHz Frequency Control : 100KV, 10 turn Potentiometer Amplitude : 5Vpp, fixed Bread Board Dimension(mm) : 175 x 61 x 10 Distribution strips : 2 Distribution holes : 200 Terminal holes : 640 Op-Amp : IC uA741 (2 nos.) : All pins terminated on 2 mm Banana Sockets Supply Voltage : $\pm 22V$ max. Differential Input Voltage : $\pm 30V$ max. Input Voltage : $\pm 15V$ max. Slew Rate : 0.5 V/μs (VCC = $\pm 15V$) Resistor Bank SMD Resistance 1KV 1% 1/4W (5 nos.) SMD Resistance 10KV 1% 1/4W (5 nos.) SMD Resistance 100KV 1% 1/4W (5 nos.) Diode : Diode 1N 4007 Capacitor Bank : Electrolyte 1mf/63V Disc 1nf/63V Disc 10nf/63V Disc 100nf/63V Variable Resistance Bank 1KV Single turn Potentiometer (2 nos.) 10KV Single turn Potentiometer (2 nos.) 100KV Single turn Potentiometer (2 nos.) 1MV Single turn Potentiometer (2 nos.) Fuse : 500mA, slow blow Dimensions (mm) : W 350 x D 280 x H 55 Product Tutorial : Online</p>
23	Experimentation with Transistor Characteristics,	<p>Nevis or equivalent</p> <p>Fixed DC Power Supply : +5V, -5V, +12V, -12V Variable DC Supply : $\pm 1.5V$ to $\pm 11V$. Transistor : BC547, BC557. Ammeter Range : 1μA to 200mA. Display : 3½ digit Voltmeter Range : 1mV to 200V. Display : 3½ digit Mains : 230V AC $\pm 10\%$ Dimension (mm) : W 450 x D 280 x H 113 Weight : 2kg (approximate). In-built Ammeter and Voltmeter are provided • On board Fixed and Variable DC Power Supplies are provided • Digital display for displaying Voltage and Current • Three important characteristics of a Transistor can be performed on this board : - Input characteristic - Output characteristic - Constant current transfer characteristic</p>
24	Experimentation with Astable and Monostable Multivibrator.	<p>Nevis or equivalent</p> <p>Mains Supply : 230V $\pm 10\%$, 50Hz DC Bias Voltage : +5V Frequency of Trigger : 1KHz Pulse Generator. Frequency Range : 600Hz – 3.2KHz (approximate) of Astable Multivibrator. Frequency Range : 350Hz – 1KHz (approximate) of Bistable Multivibrator. Output Voltage : 5V (approximate) pp. Dimensions (mm) : W 250 x D 150 x H 80 Weight : 550gms (approximate) In-built +5V regulated DC Power Supply • In-built 1KHz pulse generator for triggering the monostable circuit • Good quality, reliable sockets and test points are provided • Strongly supported by systematic operating instructions • A low cost training solution</p>
25	Power and Differential Amplifier,	<p>Nevis or equivalent</p> <p>Mains supply : 230V $\pm 10\%$, 50Hz DC power supply Fixed : +12V, -12V, +5V, -5V Frequency Variable : 10kHz to 100kHz Amplitude Variable : 0 to 5Vpp Fuse Slow Blow : 500mA Dimensions (mm) : W 345 x D 240 x H 110 In-built DC Power Supply • In-built Sinewave Generator • Easy Illustration of different types of amplifier.</p>
26	Digital Oscilloscopes	DS100E/DS100D series Rigol make, 100MHz bandwidth

27	Understanding Wien Bridge,	Nevis or equivalent Biasing Voltage : +12V, -12V DC Design of Oscillators : Passive Elements with Op - Amp Dimensions (mm) : 240 W x 345 D x 110 H. Exclusive and compact design • Straight forward representation of Wein Bridge Oscillator • +12V, -12V inbuilt SMPS provided with the trainer for power supply • Designed with considering all the safety standards • Online product tutorial • Low cost trainer including illustration of Oscillator design using passive elements
28	Study of Temperature Transducers,	Scientech or equivalent Transducers : 4 Nos. N.T.C. Thermistor, Platinum R.T.D., K Type Thermocouple IC Temperature Sensor, Heating Element : Wirewound resistance 47W, 10 W Signal Conditioning Circuitry :, Instrumentation Amplifier, X100 Amplifier, DC Amplifier, Comparator, Electronic Switch, Input Circuits : Rotary & Slide Potentiometers, Output Circuits :, Relay, Buzzer, Interconnections, Mains Supply : 100V-240 V, AC, 50/60 Hz, Power Consumption : 2 VA (approximately), Dimensions (mm) : W 326 x D 252 x H 52, Weight : 1.5Kg (approximately). Operating Conditions : 0-40 C, 85% RH
29	Study of LVDT,	Scientech or equivalent Measurement Range : 20 mm (± 10 mm), Excitation Frequency : 4 KHz (approximately). Excitation Voltage : 4 V (approximately) PP. Sensitivity : 10 mV DC/ mm. Linear Range : Full Scale. Signal conditioner output : 0.1 V DC or Maximum Displacement Display : 3½ Digit LED with Polarity Indicator. Micrometer Scale : 25 mm. Micrometer Least count : 0.01 mm. Test points : 8 nos.. Power Consumption : 2 VA (approximately) Dimensions (mm) : W 326 x D 252 x H 52. Power Supply : 110V - 260V AC, 50/60Hz Weight : 1.5Kg (approximately). Operating Conditions : 0-40 C, 85% RH
30	Potentiometric Displacement Sensor,	Scientech or equivalent Sensor Type : Potentiometric. Linear displacement : 0 to 15 mm Measurement Range. Micrometer Scale : 25 mm. Micrometer Least count : 0.01 mm 0 Angular displacement : 0 to 360 Measurement Range, Input : 5 V DC, Linear output : 0 - 3V DC, Angular output : 0- 5V DC, Test Points : 6 nos., Mains Supply : 110-260 V AC; 50/60 Hz Dimensions (mm) : W 255 x D 155 x H 80 Operating Conditions : 0-40 C, 85% RH
31	Study of Load Cell,	Scientech or equivalent Maximum bearable weight: 5kg., Maximum allowed weight : 500gram., Load cell type : Strain gauge/shear beam, Bridge voltage : +5VDC, Bridge configuration : Full Wheatstone bridge, Display : 16x2 LCD, Tact switch : 2 nos. (Tare and Calibration), Test points : 4 nos., Controller : ATMEGA328P, ADC : 24 bit, Power Supply : 230V AC, 50 Hz Operating conditions : 0-40 C, 85% RH. Included accessories : Mains cord : 1 no. Standard weights : 10, 20, 50, 100, 200, gram
32	Digital Oscilloscopes,	DS100E/DS100D series Rigol make, 100MHz bandwidth
33	Moving coil educational stand meter,	MR100EDM, DC Voltmeter, Accuracy $\pm 1.5\%$ of full scale, Scale length - 80mm, two scale reading (0-15/30V DC – 10 Nos. 0-30/60V DC – 10 Nos. 0-5/10V – 10 Nos.)
34	Moving coil educational stand meter,	MR100EDM, DC Ammeter, Accuracy $\pm 1.5\%$ of full scale, Scale length - 80mm, two scale reading (0-250 /500 uA – 10 Nos., 0-150/300 mA – 10 Nos.)
35	Moving coil educational stand meter,	MR100EDM, AC Ammeter, Accuracy $\pm 1.5\%$ of full scale, Scale length - 80mm, two scale reading (0-150/300 mA – 10 Nos.)

	stand meter,	
36	Moving educational stand meter, coil Desk	MR100EDM, DC Voltmeter, Accuracy $\pm 1.5\%$ of full scale, Scale length - 80mm, two scale reading (0-100V – 10 Nos., 0-750V – 10 Nos.)
37	Block Codes,	<p>Scientech 2121A&2121B equivalent</p> <p>Crystal Frequency : 11.059 MHz, Word Length : 4 bits, Codeword Length : 7 bits code, Data Format : NRZ (Not Return to Zero), Interconnections : 2 mm sockets (Gold plated), Test points : 5 nos, Power Supply : 110-220 V $\pm 10\%$, 50/60 Hz</p> <p>Operating Conditions : 0-40°C, 80% RH, Internal Power supply : +5V DC</p> <p>Weight : 1.5 Kgs. approximately, Dimensions (mm) : 326 W \times 252 D \times 52 H, Learning Material : Online, Included Accessories : Patch cord 8" : 12 nos., Power supply : 2 nos.</p> <p>Mains cord : 2 nos, Scope of Learning • Study of Hamming Code (7,4)-bit Generation</p> <p>Study of Hamming Code (Encoding & Decoding) without bit error, Study of Hamming Code (Encoding and Decoding) of BCD bit sequence in manual mode., Study of Hamming Code (7,4)-bit Generation, Without error, With single bit error, With double bit error</p>
38	8051 Universal Development Platform	<p>Nvis 5001A or equivalent</p> <p>Technical Specifications: Communication : USB. Programming mode : PC mode, Hex keypad mode. MCU : 8051 core. Crystal Frequency : 11.0592 MHz. DC Power Supplies : +12V, -12V, +5V & -5V. Programmer : Ready to run programmer will program. 8051 devices. Interconnection for modules : 2 mm patch cords and FRC cables., Product Tutorial : Online (Theory, procedure, reference results etc). Dimensions (mm) : W 326 x D 252 x H 52 Power Supply : 110V - 260V AC, 50/60Hz Weight : 1.5Kg (approximately)</p> <p>Operating Conditions : 0-40 C, 85% RH Included Accessories : USB cable, Mains cord, Patch cords, 20 Pin FRC cable, TeckBook Power Supply. Core 8051 MCU clocked at 11.0592 MHz. User can enter op code using on board 20 keys Hex keypad. For large program user can use on board PC based USB Programmer. On board LCD for both programming mode and run mode. Every pin is marked in order to make work easier User can write assembly codes in PC software and run on Nvis 5001A PC Programmer mode also supports other devices like</p> <p>AT89C51/52/55, AT89S51/52/53, AT89S8252 Input / Output & test points provided on board. Self contained development board with on board DC. Power Supply plug in modules and prototyping area. On board breadboard for self circuit design. CD with sample project code in assembly and C, Programmer software & useful documents</p>
39	8085 Microprocessor Trainer,	<p>Tesca or equivalent</p> <p>Hardware Specifications: * CPU : 8085 Microprocessor @6.144 MHz * MEMORY : Total space ON BOARD is 48KB, Comprising of 16KB monitor EPROMS and 32KB RAM. Battery Backup for RAM. No expansion required. * PERIPHERALS : 8279 for controlling 24 feather keys (including 6 digit seven segment display). : 1 Timer/counter with three independently programmable counters. : Two 8255 for controlling 48 I/O lines and same are brought out to FRC 50 pin connector. : 8251 for RS 232 C serial communication and firmware for UP/DOWN facility for IBM PC/XT/AT computer. : Built-in cassette interface.: Built-in Speaker interface. : Built-in EPROM programmer for 27128 operating at 12.5V. * INTERFACING : All buffered & demultiplexed TTL compatible signals brought on a 50 pin FRC connector including address and SIGNALS data control lines brought out at another 50 pin FRC connector. Several experimental interface modules can be connected to this trainer. They are ADC, DAC, Stepper motor, 8-bit switch input, 8-bit LED output, Relay interface module, etc. and many more are available.</p>

PART 3

CONTRACT

SECTION VII. GENERAL CONDITIONS OF CONTRACT

TABLE OF CLAUSES

1. Definitions	69
2. Contract Documents	70
3. Fraud and Corruption	70
4. Interpretation	71
5. Language	72
6. Joint Venture, Consortium or Association	72
7. Eligibility	72
8. Notices	73
9. Governing Law	73
10. Settlement of Disputes	73
11. Inspections and Audit	74
12. Scope of Supplies	74
13. Delivery and Documents	74
14. Supplier's Responsibilities	74
15. Purchaser's Responsibilities	74
16. Contract Price	74
17. Terms of Payment	75
18. Taxes and Duties	75
19. Performance Security	75
20. Copyright	76
21. Confidential Information	76
22. Subcontracting	77
23. Specifications and Standards	77
24. Packing and Documents	77
25. Insurance	78
26. Transportation	78
27. Inspections and Tests	78
28. Liquidated Damages	79
29. Warranty	79
30. Patent Indemnity	80
31. Limitation of Liability	81
32. Change in Laws and Regulations	81
33. Force Majeure	81
34. Change Orders and Contract Amendments	82
35. Extensions of Time	83
36. Termination	83
37. Export Restriction	84

SECTION VII. GENERAL CONDITIONS OF CONTRACT

1. Definitions

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

- (a) **Award of Contract** means the decision of the Purchaser to enter into a Contract with the Supplier for supply and delivery of the specified Goods, including any Related Services.
- (b) **Bid** means an offer to supply Goods, including any Related Services, made in accordance with the terms and conditions set out in the Bidding Documents that preceded the placement of the Contract of which these GCC form a part. The term “tender” is synonymous with the term “Bid”.
- (c) **Bidder** means an eligible individual or legal entity that participated in the bidding process governed by the Bidding Documents that preceded the placement of the Contract of which these GCC form a part.
- (d) **Bidding Documents** means the set of Bidding Documents that preceded the placement of the Contract of which these GCC form a part, which were sold or issued by the Purchaser to potential Bidders, and in which the specifications, terms and conditions of the proposed procurement were prescribed.
- (e) **Contract Documents** means the documents listed in the Contract Agreement, including any amendments thereto.
- (f) **Contract Price** means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom as may be made pursuant to the Contract.
- (g) **Day** means calendar day.
- (h) **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 Documents.
- (i) **GCC** means the General Conditions of Contract.
- (j) **Goods** means all of the commodities, raw materials, machinery and equipment, and/or other materials, including any object in solid, liquid or gaseous form that has an economic utility or value and which can be exchanged or traded, that the Supplier is required to supply to the Purchaser under the Contract.
- (k) The **Project Site**, where applicable, means the place named in the SCC.
- (l) **Purchaser** means the entity purchasing the Goods and Related Services, as specified in the SCC.
- (m) **Related Services** means the services incidental to the supply of the Goods, such as insurance, installation, training and initial maintenance and other obligations of the Supplier under the Contract

- (n) **SCC** means the Special Conditions of Contract.
- (o) **Subcontractor** means any natural person, private or government entity, or a combination thereof, including its legal successors and 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.
- (p) **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.

2. Contract Documents

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

3. Fraud and Corruption

- 3.1. If the Purchaser determines that the Supplier has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for or in executing the Contract then the Purchaser may, after giving fourteen (14) days notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the Contract, and the provisions of GCC Clause 36 shall apply as if such termination has been made under GCC Sub-Clause 36.1.
- 3.2. Should any employee of the Supplier be determined to have engaged in corrupt, fraudulent, collusive, coercive or obstructive practice during the purchase of the Goods, then that employee shall be removed.
- 3.3. For the purposes of this Sub-Clause:
- (a) "corrupt practice"¹⁷ is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value¹⁸ to influence improperly the actions of another party;
 - (b) "fraudulent practice"¹⁹ is any intentional 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;

¹⁷ "another party" refers to a public official acting in relation to the procurement process or contract execution. In this context, "public official" includes staff and employees of other organizations (including any institutions providing finance for the Goods) taking or reviewing procurement decisions.

¹⁸ "anything of value" includes, but is not limited to, any gift, loan, fee, commission, valuable security or other asset or interest in an asset; any office, employment or contract; any payment, discharge or liquidation of any loan, obligation or other liability whatsoever, whether in whole or in part; any other services, favour or advantage, including protection from any penalty or disability incurred or apprehended or from any action or proceeding of a disciplinary or penal nature, whether or not already instituted and including the exercise or the forbearance from the exercise of any right or any official power or duty.

¹⁹ a "party" refers to a public official; the terms "benefit" and "obligation" relate to the procurement process or contract execution; and the "act or omission" is intended to influence the procurement process or contract execution.

- (c) “collusive practice”²⁰ is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
- (d) “coercive practice”²¹ is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- (e) “obstructive practice” is
 - (i) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order materially to impede any investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (ii) acts intended materially to impede the exercise of the inspection and audit rights of the Purchaser and/or any other relevant RGoB agency provided for under GCC Clause 11.

3.4. Any communications between the Supplier and the Purchaser related to matters of alleged fraud or corruption must be made in writing.

4. Interpretation

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

4.2. Incoterms

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

4.3. Entire Agreement

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

4.4. Amendment

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

²⁰ “parties” refers to participants in the procurement process (including public officials) and an “improper purpose” includes attempting to establish bid prices at artificial, non competitive levels.

²¹ a “party” refers to a participant in the procurement process or contract execution.

4.5. Non-waiver

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

4.6. Severability

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

5. Language

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

6. Joint Venture, Consortium or Association

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

7. Eligibility

- 7.1. The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.

- 7.2. All Goods and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the Goods have been grown, mined, cultivated, produced, manufactured or processed; or through manufacture, processing or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 8. Notices**
- 8.1. Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form, including electronic communication, 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 Bhutan.
- 10. Settlement of Disputes**
- 10.1. The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute. No arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
- 10.3. Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Purchaser shall pay the Supplier any monies due the Supplier.

11. Inspections and Audit	<p>11.1. The Supplier shall permit the Purchaser and/or persons appointed by the Purchaser to inspect the Supplier's offices and/or the accounts and records of the Supplier and its Subcontractors relating to the performance of the Contract, and to have such accounts and records audited by auditors appointed by the Purchaser if so required by the Purchaser. The Supplier's attention is drawn to GCC Clause 3, which provides, inter alia, that acts intended materially to impede the exercise of the inspection and audit rights provided for under this GCC Sub-Clause 11.1 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility under ITB Sub-Clause 2.1 (c) of the Instructions to Bidders that preceded the placement of the Contract of which these GCC form a part).</p>
12. Scope of Supplies	<p>12.1. The Goods and Related Services to be supplied shall be as specified in the Schedule of Supply.</p> <p>12.2. Unless otherwise stipulated in the Contract, the 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 of the Goods and Completion of the Related Services as if such items were expressly mentioned in the Contract.</p>
13. Delivery and Documents	<p>13.1. Subject to GCC Sub-Clause 34.1, the delivery of the Goods and completion of the Related Services shall be in accordance with the delivery and completion requirements specified in the Schedule of Supply. The details of shipping and other documents to be furnished by the Supplier are specified in the SCC.</p>
14. Supplier's Responsibilities	<p>14.1. The Supplier shall supply all the Goods and Related Services included in the Scope of Supplies in accordance with GCC Clause 12, and the delivery and completion requirements as per GCC Clause 13.</p>
15. Purchaser's Responsibilities	<p>15.1. Whenever the supply of Goods and Related Services requires that the Supplier obtain permits, approvals and/or import and other licenses or similar permissions from Bhutanese public authorities, the Purchaser shall, if so required by the Supplier, use its best efforts to assist the Supplier in complying with such requirements in a timely and expeditious manner, but without incurring any costs.</p>
16. Contract Price	<p>16.1. The Contract Price shall be as specified in the Contract Agreement subject to any additions and adjustments thereto or deductions therefrom as may be made pursuant to the Contract.</p> <p>16.2. Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Bid, with the exception of any price adjustments authorized in the SCC.</p>

17. Terms of Payment

- 17.1. The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the SCC.
- 17.2. The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all the obligations stipulated in the Contract.
- 17.3. Payments shall be made promptly by the Purchaser, no later than thirty (30) days after the submission of verified invoice or request for payment by the Supplier, and the Purchaser has accepted it.
- 17.4. The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the Bid Price is expressed.
- 17.5. In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the SCC, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the SCC, for the period of delay until payment has been made in full, whether before or after judgment or arbitrage award.

18. Taxes and Duties

- 18.1. For Goods manufactured outside Bhutan the Supplier shall bear and pay all applicable taxes, stamp duties, licence fees and other similar levies imposed outside Bhutan.
- 18.2. For Goods manufactured within Bhutan the Supplier shall bear and promptly pay all applicable taxes, duties, licence fees and other similar levies incurred until delivery of the contracted Goods to the Purchaser.
- 18.3. If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Bhutan the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

19. Performance Security

- 19.1. The Supplier shall, within fifteen (15) working days of the notification of contract award, provide a Performance Security for the due performance of the Contract in the amount and currency specified in the SCC.
- 19.2. 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.

19.3. The Performance Security shall be denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Purchaser, shall be valid until the successful completion of the Supplier's performance obligations under the Contract, including any warranty obligations, and shall be in one of the forms stipulated by the Purchaser in the SCC.

19.4. The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC,.

20. Copyright

20.1. The copyright in all drawings, documents and other materials containing data and information furnished to the Purchaser by the Supplier 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.

21. Confidential Information

21.1. 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(s) such documents, data and other information as it receives from the Purchaser to the extent required for the Subcontractor(s) to perform its/their work under the Contract, in which event the Supplier shall obtain from such Subcontractor(s) an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 21.

21.2. 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.

21.3. The obligation of a party under GCC Sub-Clauses 21.1 and 21.2 above, however, shall not apply to information that:

- (a) the Purchaser or Supplier needs to share with the RGoB 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.

21.4. The above provisions of GCC Clause 21 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.

21.5. The provisions of GCC Clause 21 shall survive completion or termination, for whatever reason, of the Contract.

22. Subcontracting

22.1. The supplier shall not subcontract, in whole or in part, their obligations under this Contract, except with the prior written consent of the purchaser.

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

23. Specifications and Standards

23.1. Technical Specifications and Drawings:

- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards stipulated in Section VI, 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 Goods' country of origin.
- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the editions or the revised versions of such codes and standards shall be those specified in the 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 34.

24. Packing and Documents

24.1. 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 sizes and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

- 24.2. 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.
- 25. Insurance** 25.1. 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.
- 26. Transportation** 26.1. Unless otherwise specified in the SCC, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 27. Inspections and Tests** 27.1. At its own expense and at no cost to the Purchaser the Supplier shall carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC.
- 27.2. The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in Bhutan as specified in the SCC. Subject to GCC Sub-Clause 27.3, 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.
- 27.3. The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 27.2, provided that the Purchaser bears all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.
- 27.4. 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.
- 27.5. The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

- 27.6. The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 27.4.
- 27.7. The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 27.6, shall release the Supplier from any warranties or other obligations under the Contract.
- 28. Liquidated Damages**
- 28.1. Except as provided for under GCC Clause 33, if the Supplier fails to deliver any or all of the Goods by the date(s) of delivery or fails to perform the Related Services within the period specified in the Contract, the Purchaser may, without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those SCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 36.
- 29. Warranty**
- 29.1. 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.
- 29.2. Subject to GCC Sub-Clause 23.1 (b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials and workmanship, under normal use in the conditions prevailing in Bhutan.
- 29.3. Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 29.4. 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.

29.5. 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.

29.6. 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.

30. Patent Indemnity 30.1. The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 30.2, 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 Bhutan; 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 reasonably to be 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.

30.2. If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 30.1, the Purchaser shall promptly give the Supplier 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.

30.3. If the Supplier fails to notify the Purchaser within thirty (30) 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.

30.4. 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.

30.5. 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.

31. Limitation of Liability

31.1. Except in cases of gross negligence or willful misconduct:

- (a) neither party shall be liable to the other party, whether in contract, tort or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Supplier to indemnify the Purchaser with respect to patent infringement.

32. Change in Laws and Regulations

32.1. Unless otherwise specified in the Contract if, after the date thirty (30) days prior to the date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated or changed in Bhutan (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery/ Completion Schedule and/or the Contract Price, then such Delivery/ Completion Schedule 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 Sub-Clause 16.2.

33. Force Majeure

33.1. 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.

**34. Change Orders
and Contract
Amendments**

- 33.2. 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.
- 33.3. 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.
- 34.1. The Purchaser may at any time order the Supplier through notice in accordance with 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.
- 34.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within thirty (30) days from the date of the Supplier’s receipt of the Purchaser’s change order.
- 34.3. 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.
- 34.4. Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment by the parties.

35. Extensions of Time

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

35.2. Except in case of Force Majeure, as provided under GCC Clause 33, 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 28, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 35.1.

36. Termination**36.1. Termination for Default**

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
 - (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Sub-Clause 35.1; or
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in 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 36.1(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.

36.2. 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 shall be without compensation to the Supplier, provided that such termination shall not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

36.3. 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 thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

**37. Export
Restriction**

37.1. Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Purchaser, to Bhutan, or to the use of the products/Goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/Goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Purchaser that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/Goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Purchaser's convenience pursuant to Sub-Clause 36.3.

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT	
The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. <i>[The Purchaser shall select and insert the appropriate wording using the sample below or other acceptable wording and delete the text in italics.]</i>	
1.1 (k)	The Project Site(s)/Final Destination(s) is/are; <i>[Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan]</i>
1.1 (l)	The Purchaser is: <i>[Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan]</i>
GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Incoterms. If the meaning of any trade term and the rights and obligations of the parties thereunder shall not be as prescribed by Incoterms, they shall be as prescribed by: <i>[exceptional; refer to other internationally accepted trade terms]</i>
GCC 4.2 (b)	The version of Incoterms shall be: <i>[NA]</i>
GCC 5.1	The language shall be: <i>[English]</i>
GCC 8.1	For <u>notices</u> , the addresses shall be: For the Purchaser: Attention: <i>[President]</i> Address: <i>[Jigme Namgyel Engineering College, Dewathang, sadmrup Jongkhar], Bhutan</i> Telephone: <i>[07260302]</i> E-mail address: <i>[passangdendup.jnec@rub.edu.bt]</i>
GCC 9	The governing law shall be <u>the law of the Kingdom of Bhutan.</u>
GCC 10.2	The rules of procedure for arbitration proceedings pursuant to GCC Sub-Clause 10.2 shall be as follows: <i>[The Bidding Documents should contain one clause to be retained in the event of a Contract with a foreign Supplier and one clause to be retained in the event of a Contract with a Bhutanese Supplier. At the time of finalizing the Contract, the respective applicable clause should be retained in the Contract. The following explanatory note should therefore be inserted as a header to GCC Sub-Clause 10.2 in the Bidding Documents.</i> <i>“Clause 10.2 (a) shall be retained in the case of a Contract with a foreign Supplier and Clause 10.2 (b) shall be retained in the case of a Contract with a Bhutanese Supplier.”]</i> (a) Contract with a foreign Supplier: <i>[For Contracts entered into with foreign suppliers, international commercial arbitration may have practical advantages over other dispute settlement methods. Among the rules to govern the arbitration proceedings, the Purchaser may wish to consider the United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules of 1976, the Rules of Conciliation and Arbitration of the International Chamber of Commerce (ICC), the Rules of the London Court of International Arbitration or the Rules of the Arbitration Institute of the Stockholm Chamber of Commerce.]</i>

	<p><i>If the Purchaser chooses the UNCITRAL Arbitration Rules, the following sample clause should be inserted:</i></p> <p>GCC 10.2 (a)—Any dispute, controversy or claim arising out of or relating to this Contract, or breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the UNCITRAL Arbitration Rules as at present in force.</p> <p><i>If the Purchaser chooses the Rules of ICC, the following sample clause should be inserted:</i></p> <p>GCC 10.2 (a)—All disputes arising in connection with the present Contract shall be finally settled under the Rules of Conciliation and Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with the said Rules.</p> <p><i>If the Purchaser chooses the Rules of the Arbitration Institute of the Stockholm Chamber of Commerce, the following sample clause should be inserted:</i></p> <p>GCC 10.2 (a)—Any dispute, controversy or claim arising out of or in connection with this Contract, or the breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the Rules of the Arbitration Institute of the Stockholm Chamber of Commerce.</p>
	<p><i>If the Purchaser chooses the Rules of the London Court of International Arbitration, the following clause should be inserted:</i></p> <p>GCC 10.2 (a)—Any dispute arising out of or in connection with this Contract, including any question regarding its existence, validity or termination shall be referred to and finally resolved by arbitration under the Rules of the London Court of International Arbitration, which rules are deemed to be incorporated by reference to this clause.</p> <p><i>(b) Contract with a Bhutanese Supplier:</i></p> <p>In the case of a dispute between the Purchaser and a Bhutanese Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of Bhutan.</p>
GCC 13.1	Details of Shipping and other Documents to be furnished by the Supplier are <i>N/A</i>

GCC 16.2	The prices charged for the Goods supplied and the related Services performed [<i>“shall not”</i>] be adjustable.
GCC 17.5	<p>The payment delay period after which the Purchaser shall pay interest to the supplier shall be [30] days after completion of supply.</p> <p>The interest rate that shall be applied is [govt. approved rates]</p>

GCC 19.1	The amount of the Performance Security shall be: <u>[10 % of the contract amount]</u> <i>[The amount of the Performance Security is usually expressed as a percentage of the Contract Price. The percentage varies according to the Purchaser's perceived risk and impact of non-performance by the Supplier. A figure of ten percent (10%) is used under normal circumstances]</i>
GCC 19.3	The types of acceptable Performance Securities are: (i) <u>Unconditional bank guarantee issued by financial institution located in Bhutan and acceptable to the Purchaser, in the form provided for in the Contract or in any other form acceptable to the Purchaser, or</u> (ii) Cash warrant, or (iii) Demand draft.
GCC 19.4	Discharge of Performance Security shall take place: <u>[30 days after the completion of warranty period of supplied goods upon written request by the Supplier]</u>
GCC 24.2	The packing, marking and documentation within and outside the packages shall be: <u>[As per PRRR 2019]</u>
GCC 25.1	The insurance coverage shall be responsibility of the supplier until the completions <u>as specified in the Incoterms.</u> If not in accordance with Incoterms, insurance shall be as follows: <i>[insert specific insurance provisions agreed upon, including coverage, currency and amount]</i>
GCC 26.1	Responsibility for transportation, including loading and unloading of the Goods shall be sole responsibility of the supplier to the destination place, Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan
GCC 27.1	The inspections and tests shall be: <i>[as and when required]</i>
GCC 27.2	Inspections and tests shall be conducted at: <i>[Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan]</i>
GCC 28.1	The liquidated damages shall be: <i>[0.1%] for every day of delay</i>
GCC 28.1	The maximum amount of liquidated damages shall be: <u>[10%].</u>
GCC 29.3	The period of validity of the Warranty shall be: <u>[365] days.</u> For the purposes of the Warranty the place(s) of final destination(s) shall be: <u>[Jigme Namgyel Engineering College, Dewathang, Samdrup Jongkhar, Bhutan]</u>
GCC 29.5 and 29.6	The period for repair or replacement shall be: <i>[30] days.</i>

SECTION IX. CONTRACT FORMS

TABLE OF FORMS

Contract Agreement 92

Performance Security 94

Bank Guarantee for Advance Payment 95

Letter of Acceptance 96

CONTRACT AGREEMENT

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

THIS CONTRACT AGREEMENT made the *[insert number]* day of *[insert month]*, *[insert year]*,

BETWEEN

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

WHEREAS the Purchaser invited Bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency/ies]* (hereinafter called “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 Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract, viz.:
 - (a) This Contract Agreement;
 - (b) The Special Conditions of Contract;
 - (a) The General Conditions of Contract;
 - (b) Technical Requirements (including Schedule of Supply and Technical Specifications);
 - (c) The Supplier’s Bid and original Price Schedules;
 - (d) The Purchaser’s Notification of Award of Contract;
 - (e) The form of Performance Security;
 - (f) The form of Bank Guarantee for Advance Payment;
 - (g) *insert here any other document(s) forming part of the Contract]*
3. 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.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. 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 Bhutan on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*

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

in the presence of *[insert signature]*

[insert identification of official witness]

For and on behalf of the Supplier

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

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

in the presence of *[insert signature]*

[insert identification of official witness]

PERFORMANCE SECURITY

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid submission]*
IFB No. and title: *[insert no. and title of bidding process]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of Purchaser]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[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 hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)²² in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or you needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,²³ and any demand for payment under it must be received by us at this office on or before that date. We agree 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 us before the expiry of the Guarantee.

[signatures of authorized representatives of the bank and the Supplier]

²² The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

²³ Date established in accordance with Clause 19.4 of the General Conditions of Contract ("GCC"). The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee.

BANK GUARANTEE FOR ADVANCE PAYMENT

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (as day, month, and year) of Bid submission]*
IFB No. and title: *[insert number and title of bidding process]*

[bank's letterhead]

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

ADVANCE PAYMENT GUARANTEE No.: *[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of bank]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert date of Contract]* with you, for the supply of *[insert types of Goods to be delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)²⁴ in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier in its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date²⁵]*. We agree 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 us before the expiry of the Guarantee.

[signature(s) of authorized representative(s) of the bank]

²⁴ The bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

²⁵ Insert the Delivery date stipulated in the Contract Delivery Schedule. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee

LETTER OF ACCEPTANCE

[use letterhead paper of the Purchaser]

[date]

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

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

This is to notify you that your Bid dated *[insert date]* for supply of the *[insert name of the contract and identification number, as given in the SCC]* for the Accepted Contract Amount of *[insert amount in numbers and words and name of currency]*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency or *(for item-wise contract insert list of items price schedule as attachement)*

You are requested to furnish the Performance Security within 15 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Section X, Contract Forms, of the bidding document.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____